Dixell





XWEB EVO OPERATING MANUAL (V.4.3)

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		ROM DEVELOPING OR ELECTRIC SHOCK, S DEVICE AND RAIN OR WATER
	CAUTION K OF ELECTRIC SHOCK DO NOT OPEN	CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER IT DOES NOT CONTAIN ANY PARTS THAT REQUIRE SERVICING BY THE USER ALWAYS HAVE QUALIFIED STAFF PERFORM THE PROCEDURES. THE SYMBOL OF THE LIGHTNING BOLT INSIDE AN EQUILATERAL TRIANGLE IS USED TO ALERT THE USER OF THE POTENTIALLY DANGEROUS NON-
		INSULATED ELECTRICAL VOLTAGES THE SYMBOL OF THE EXCLAMATION MARK INSIDE AN EQUILATERAL TRIANGLE IS USED TO WARN THE USER THAT HE/SHE MUST PAY CLOSE ATTENTION TO THE TOPIC COVERED IN THIS MANUAL
	training and experience,	stalled exclusively by service staff with suitable technical who are aware of the dangers that they are exposed to. I herein are set forth exclusively for the service staff.
		are officially supported by this monitoring unit. Dixell srl ble for any damage caused by the use of non-supported
		ght to amend this manual without prior notice. The latest downloaded from the internet site.
CAUTION	300D" / "XWEB-EVO 500	ed in this manual are standard for models "XWEB-EVC DD" / "XWEB-EVO 500" / "XWEB-EVO 3000" / "XWEB-EVC tures is expressly specified.
	This control and monito measurements referred to	ring unit fulfils EN 12830 for use with probes to detect o in 13485
		roduct. It can cause radio-interference in residentia s occur, the user should take suitable counter-measures
		ight to vary the composition of its products without prior nsuring the identical and unchanged features of the same

1. INTRODUCTION

Congratulations for having purchased this product.

XWEB-EVO represents one of the most advanced monitoring, control and supervision systems available on the market today. The user will benefit from a power tool, which is easy to use and highly customisable for all requirements. It uses the most advanced technology for displaying the web pages and is based on the Linux[™] operating system which guarantees its efficiency and reliability. The hardware is based on highly reliable industrial boards that require practically no maintenance whatsoever.

The web interface is made available locally on models XWEB3000 / 5000 EVO WITH a monitor, mouse and keyboard directly connected to it. A local interface on the display and keyboard, is also available on the model XWEB500.

Remotely and for all models you can use the web interface by logging on with a regular computer with internet browser, such as Intenet Explorer®, or Mozilla Firefox®.

XWEB-EVO, for models 300D / 500D can easily be DIN rail. The model 500 wall. Models 3000/5000 to desk or 19 "rack.



XWEB-EVO is designed and bases its operation not only on the Dixell network of controllers. Its main applications are supermarkets of any size, industrial refrigeration and air conditioning.

In addition to the normal monitoring systems, XWEB-EVO provides (for all models):

- the recording of temperatures in compliance with food hygiene standards UNI EN 12830, HACCP
- the tracking and management of system and control alarms (and centralised management for the XCenter product)
- the management of controllers with planned operations (only for 500D/500/3000/5000 models)
- the programming of controller parameters
- Compressor Plant Management (Compressor Rack Optimiser, CRO). To better manage the availability of cooling power;
- and much more

The following tools are added to the XWEB-EVO 5000 models:

- Supervision (SPV). For load control, light control, etc.;
- Anti-Sweat Heater Control (DEWP). Useful for the management of the anti-sweat heaters

These tools are particularly useful for Energy Saving optimisation.

DIXELL SOLUTIONS

- SUPERVISING
- S CRO (Compressor Rack Optimization)
- COMPRESSOR RACKS MANAGEMENT
- SANTI-SWEAT HEATER CONTROL



2. THE RECIPIENTS OF THIS MANUAL

The contents of this manual are intended for professional users, such as the XWEB-EVO installer and/or its end user. The configuration and usage procedures of the XWEB-EVO are an integral part of this manual. Users may be professionals such as energy-managers or supermarket directors.

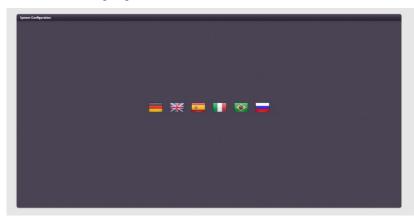
In addition to this manual, we also recommend reading the installation manual provided in paper form, inside the product package, and in electronic form on the Dixell site, under the "manual" section.

3. USING XWEB-EVO

3.1 INITIAL WIZARD PROCEDURE

The first time the machine is switched on, the XWEBEVO will ask the user carrying out the installation to specify some essential parameters for the operating of the machine. The screens listed below make up the "initial wizard" procedure through the webserver, if you directly connect to xweb using the default address http://192.168.0.150 (for 300D/500D/500 models) or http://192.168.0.200 (for 300D/500D models). For XWEB3000/5000 models the same pages are available from the local interface.

a) Initial wizard language.



To specify your preference, click on the flag. The Initial configuration wizard will continue in the chosen language.

b) System language / Local keyboard (for XWEB3000/5000 models only)

System configuration							
1>>> 2>> 3>>	4 >>	5 >> 6 3	>> 7 >>	8 >>	9 >>	10 >>	0
Language							
en-GB	-						
Keyboard							-
Generic 101-key PC	▼ Italian		•				
				Next	<u>၂</u> (၀	Power off	

System language. It represents the language that the system uses for the parts that do not refer to a user, thus to its language. For example, for alarm or system notifications. To specify your preference, select the language from the list and press "Next". This language is also used for the Admin user.

Local keyboard. Indicate the configuration of the keyboard physically connected to the XWEB. Once you have selected your preferred parameters, press "Next" to continue with the procedure.

c) System Identification.

System Setup					×
Default Language	System Identification				
Identification	System Name		TEST_DIXELL		
Time/Date	System Description		TEST_DIXELL		
Network	System Email Address		XW/E8-EV/O@emerson.com		16
Modems				2000 0000 10	
Dialup	System Telephone Number			_	
Email	System Fax Number				
SMS Service	Login Upper Welcome Text		Welcome to XWEB EVO		
Printers	Login Lower Welcome Text	0.0.1	Hello everybody		
Xcenter		rol		202 202 202	(1)
AUX Outputs and Digital Inputs		CUI	Lupland T Defete		
Updates	Custom Logo Small		🕹 Upload 👕 Delete		
Monitor Resolution					
(Step: 2 / 13) Configure ger	neral system identification			Print	Save
Time: 13:32 Date: 13/09/201		my Company		Release: 4.0.0-82-c2dfcf	Desktop 🛛 🗮 Menu

These boxes describe the system, displaying both the name and several parameters that can be used to indicate to the user the references of those in charge of maintenance or servicing of the machine. Once you have selected your preferred parameters, press "Next" to continue with the procedure.

d) Date/time time-zone setup

System Configuration 1 = 2 - 3 - 3 - 3	4-0	Date/T	ime Timezone S	7~a	8-9	6-D	10 🕫
	Europe			* Rome (+1)		•	
Date Format	DD/MM/YYYY						
	12:02						
	10/03/2015						
Date/Time Synchronization	Matrual	Datty	Weekly	Monthly			
NTP Server Address	pool.ntp.org						
				<	Previous	>	Next

Configuration parameters of the XWEBEVO time. The time can always be changed by hand; or automatically synchronised with an NTP time-server with a daily/weekly/monthly interval. We recommend using an NTP server that is geographically in your vicinity, for example, in your own country. We recommend asking your network administrator for the name of the NTP server that will be used.

e) Network setup.

1 =0 2 =0 3 =0	4-0	5⇒ 6⇒ Network Setup	7.⇒	8 →	9 ⇒ 10 ->
CWEB LAN IP Address	192.168.0.200				
P Mask	255.255.255.0				
iateway IP Address	192.168.0.1				
NS1 IP Address					
NS2 IP Address					
kistname	XwebE/0				
Iomain Search Name/IP					
lutomatic Configuration from DHCP Server					
ise XWEB as DHCP Server					
				evieus 🔊	• Next

For the XWEB network interface configuration. Normally, these parameters are to be agreed with the network administrator, so it is advisable to contact him/her for guidance and support.

- *'Lan enable'*: disable the check to use the XWEB with local interface only (monitor and keyboard). In this way, it will not be possible to access the server by means of the local network or internet. Disabling is not a common procedure: if in doubt, keep this box enabled.
- 'Automatic DHCP': enable this box if your network provides a DHCP server and if you want it to inform the XWEBEVO regarding which IP to use. Disabling implies that the user configuring the XWEBEVO must explicitly indicate the following parameters:
 - Hostname
 - IP Address
 - IP Mask
 - Gateway IP Address
 - DNS1 IP Address
 - DNS2 IP Address
 - Domain search name/ip address
- 'Host name'. Name identifying the machine within the network. Example XWEB0001
- 'IP Address': is the unambiguous address used to access XWEB. There are two types of IP addresses: private and public. The first are used when the clients connected to the network must not be externally reachable; a closed environment is created where communication is only enabled between the network PCs. 192.168.x.y is an example of a private address. The public IPs are used when there is need for visibility on the Internet.
- 'IP Mask': is a filter that allows for the routing of the packs directly to clients belonging to the subnet mask. For example, a subnet mask 255.255.255.0 enables XWEB to directly reach only the PCs with IP addresses compatible with the mask, with the exception of the last octet. All other requests are routed to the gateway (if present).
- 'Gateway IP': The Gateways are devices that handle the routing of the network traffic that is unable to directly reach the destination IP. Example 192.168.0.1
- 'DNS1/DNS2 IP Address': In order to reach a web server on the internet, you must enter the name, e.g. www.dixell.com, in the Browser address bar. In fact, following the use of specific communication protocols required to guarantee the efficiency and the safety of the network, the name is converted into a number (the IP address). This operation is performed by a DNS server. The ISP or network administrator can normally provide a DNS server. Example 10.100.1.20
- 'Domain search name/ip address'. Example MYCOMPANY.COM
- '2nd web-server port': is the network port on which the web server is listening. The default port is number 80. However, for some network needs, it may be necessary to change the default port value (port 81 and 8080 may be the values normally used).

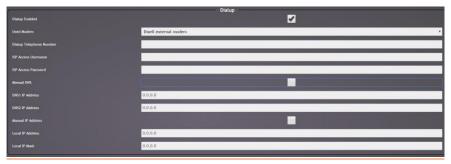
- *'Enable local DHCP Server'*: it makes sense to enable this function only if you do not wish to connect the XWEB to a network but only to a PC, where the network interface does not specify an IP. If in doubt, keep this box disabled to avoid network conflicts.
- '*Enable net speed negotiation*': enables the automatic speed adjustment of the board with the network, after a link-down event.
- f) Modem setup



XWEB requires a modem to send faxes and, in some cases, to send emails. In the first case, the system works independently, whilst in the second, it is necessary to configure the dial-up connection (see next point). Attention: only Dixell-approved modems can be used.

Possible options:

- 1. Disabled
- 2. Dixell internal modem. It is internal analogic modem
- 3. Dixell external modem. Its is XWEBMODEM external modem
- 4. External GPRS/UMTS modem. Corrisponde al modem di TC35-KIT, GT-HE910-EUD-KIT, GT-HE910-NAD-KIT
- 5. Internal GPRS modem. It is al modem interno GPRS (not supported)
- 6. External generic modem.
- g) Dial-up setup.



The configuration of the dial-up parameters is necessary to establish a connection with the internet provider via the modem; for sending emails. This is also useful in cases where the XWEBEVO is connected to the local network via an Ethernet cable yet there is no access to the mail sending server. The configuration parameters are always supplied by the provider; refer to this documentation.

h) Email setup.

System Configuration				
1 - 2 - 3 -	4→ 5→ 6→ Email Setup	7 →	€ → 9 →	10 →
Enable Email Forwarding	Email Setup			
Default Email Server (Name/IP)				
Authentication Type	No authentication			•
Authentication Username				
Authentication Password				
Default Forward Service	Forward through LAN			•
Maximum Retry Number	0			
Retry Delay (minutes)	0			
On Error Forward Service	Select forward service			•
Maximum Retry Number	0			
Retry Delay (minutes)	0			
		<	Previous	Next

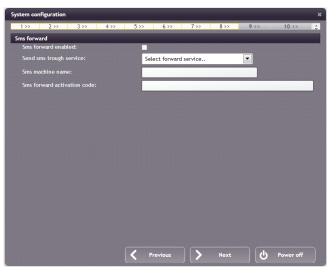
The XWEBEVO is able to send emails, generally to notify updates on the status of alarms. To enable this function, it is necessary to enable the service by completing the configuration. The configuration parameters can be supplied by your internet provider or by your network administrator.

The XWEBEVO supports different types of authentication protocols:

- No authentication
- User/Name normal
- User/Name TLS (without STARTTLS)
- User/Name TLS
- User/Name SSL

The TLS protocol is associated with ports 25 and 587; the SSL protocol is normally associated with port 465.

i) SMS setup.



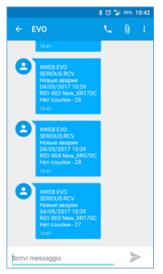
The XWEB is able to send short text messages via SMS. Some types of services can be used:

- via Netech Gateway on LAN. Visit the following link: <u>http://www.netech.it/ir_smsalert</u> to configure the SMS. After having completed the online registration form, you will receive an email with an activation code that you must include in the XWEB configuration.
- Via sopen KOREA Gateway. If your XWEB is connected to the Internet and want to send SMS in Korea using the service sopen (available only in Korea)

- Via RAVEN XE gateway. If you have connected to the modem XWEB raven XE, you can use it to send messages using your phone bills.
- MESSAGEBIRD: Once you have registered at <u>www.messagebird.com</u>, you will need to create the access key that will be used in the XWEB EVO configuration. The access key is for your credit line, from which you will download the cost of each SMS you want to send by XWEB EVO.

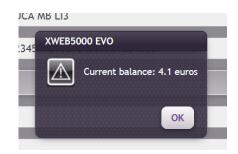
A CONTRACTOR OF A CONTRACTOR	the local division in which the local division is not the local division of the local division is not the local division of the loca	Sector Se	And in case of the local division of the loc	-		Statement of the local division of the local	_ 0 X
C Mttps://dashboard.messagebi	ird.com/app/en/settings/developers/ac	ce 🔎 👻 🔒 🖒 🙋 API - MessageBire	d ×				(∩ ☆ (2)
MessageBird	Good day, Luca Picello!					SETUP GUIDE*	O Dixell ~
BALANCE	API API SETTINGS	API ACCESS (REST) AP	PI ACCESS (CHAT API)	API ACCESS (OLD)	LOGS		
€4.10							
Top-up balance	API access (REST API)						
 Overview 							
② Contacts	Description	Mode Access Key				Change access to the REST API. Documentation for the API can be found at:	
all Statistics	SMS test	test Show key			Û	developers.messagebird.com	
PRODUCTS	SMS ufficiale	live Show key			Û	• Add access key	
SMS & Voice							
Coice Calls NEW							
Chat							
Numbers							
🕙 More							
							0
		Change	e region Conditions Priva	cy Documentation	Help & Support	Contact	U,

Messagebird supports sending non-Latin text



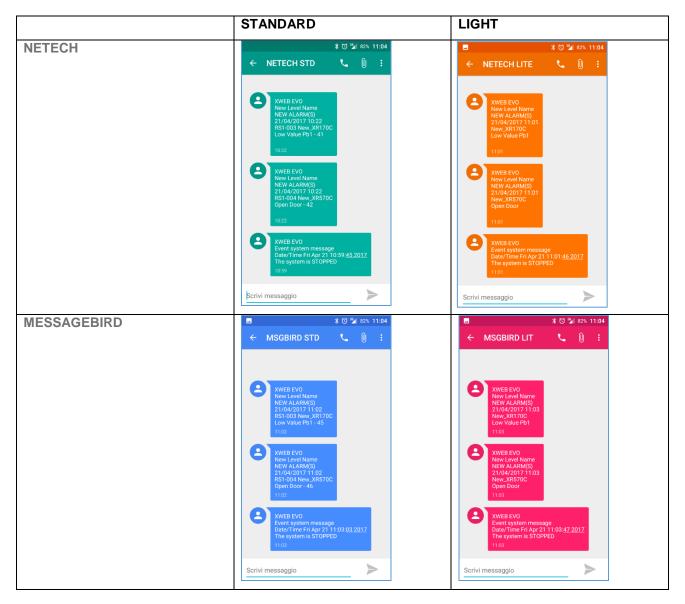
Warning: To use the service you always have to have sufficient credit for sending sms; From XWEB EVO is available on the system configuration page for credit check: press "Check current balance".

×	xweb evo × +	
 3 4 10.100.81.68 		C Q. Search ☆ 自 ♣ 余 :
System Setup		>
Default Language	SMS Forward	
Identification	Enable SMS Forwarding	
Time/Date	SMS Layout	Standard 👻
Network	SMS Forward Service	Forward through LAN (Messagebird)
Modems	11-16-16-	
Dialup	Use dialup	
Email	SMS Machine Name	LUCA MB LI3
SMS Service	SMS Forward Activation Code	123456789021345679012345687
Printers		Check current balance
Xcenter		Check current balance
Acquisitions	Test SMS Destination Number	
AUX Outputs and Digital Inputs	Test SMS Message (empty for default text)	
Updates	Send Test SMS	Send
Monitor Resolution		
(Step: 8 / 14) SMS Service co	onfiguration	Print Save
Logout Time: 16:01 Date: 20/04/201	, 🛃 🔛 🖂 🖹 🔛 🗛	Rebase: 4.2.0-51444 📑 Desktop 🗮 Menu



Send LIGHT SMS alert

In order to make SMS messages more readable, SMS format was extended to LIGHT. With this feature, ModBUS address and alarm code have been removed to increase the characters available for the device description



j) Printer setup (only for XWEB3000/5000)

The printer can be connected locally or use a network printer. To obtain a list of tested printers, go to <u>www.dixell.com</u> and visit the XWEB support section or click on the following link: <u>http://www.emersonclimate.com/europe/ProductDocuments/DixellLiterature/PrintersXWEB.pdf</u>

Local printer

Once you have selected the local printer, select the port that the printer is connected to through means of the Local printer list box and then select the correct print driver. If your printer model is not listed, select the model that is most similar in terms of name and presence from the list.

Windows network printer

Once you have selected Windows Network Printer, the system automatically searches for the available network printers. After a few minutes (based on the size/complexity of the network), the full list of printers will appear. If your printer does not appear in the list, it cannot be used; try to repeat the search procedure. After having selected the printer, select the appropriate print driver. If your printer model is not listed, select the model that is most similar in terms of name and presence from the list.

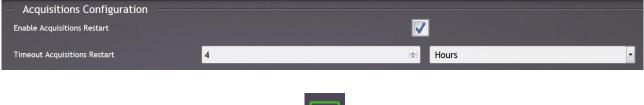
k) XCenter Notification Setup (not available in the initial Wizard but only by going to the System Setup)

Enable Feature	- Xcenter Notification Setup
XWEB ID	
Xcenter Host (IP/name)	
Default Forward Service	Forward through LAN
Send Test Trap to Xcenter	Send Trap
Perform Upload Test to Xcenter	Upload

You can configure your XWEB to communicate with the system XCenter centralized management for Call Centers.

I) Acquisitions

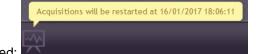
It is possible to configure XWEB so low that face the acquisitions automatically after a certain time, since the acquisitions are stopped





In the case of active acquires the incona toolbar is:

In the case of acquisitions firm, the icon on the toolbar and any tooltip indicating when it will be automatically



reactivated:

m) Auxiliary output setup (only for 500, 3000/5000)

- Auxiliary Output Setup							
		UX1	AU				
Output Usually Closed		_					
Activate After Level Accumulation							
Activation Timeout (seconds)	0		0				
	Damata C						
	Remote C	Outputs Device Setup					
Enable Remote Outputs Management							
Device XJR40	Select Device			•			
	RAUX1	RAUX2	RAUX3	RAUX4			
Output Usually Closed			-	-			
Activate After Level Accumulation							
Activation Timeout (seconds)	0	0	0	0			
		igital Inputs					
		OFF					
		etup Digital Input 1					
		erap orgreat inpact					

Auxliary Output Setup

The boxes set the normal logic for relays AUX XWEB. Disabling the box 'follow alarm delay' makes energize relay in sync with the reading of the state of alarm.

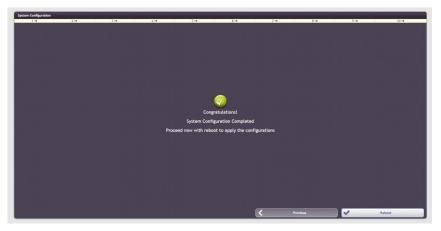
• Outputs Remote Device Setup (not available during the initial wizard)

This section is used to configure any XJR40D to use it as an extension of the alarm relay of XWEB.

• Digital Inputs (not available during the initial wizard, only to xweb500evo)

This section is used to configure commands to be sent to the tools configured on the network Modbus / 485 during state changes of the digital input.

n) Wizard conclusion



The first configuration procedure is now complete: press "apply" to apply the configuration and reboot the system.

The following screen may appear while the system is rebooting.



Wait a few minutes after rebooting to be able to access the login page.

3.2 LOCAL INTERFACE (ONLY FOR MODELS "COOLMATE")

The local interface consists of 8 keys:

TASTO	FUNZIONE
VIEW	Direct access to the archive and live data
MENU	Access to the configuration menu
CLEAR	Exit the current menu; delete character
ENTER	Entry into menu; Open list current alarms
4	Left shift
A	Move up
A	Move down
\blacktriangleright	Right shift

And generally the interface presents to the voices in the symbol \rightarrow

To access some screens, you must enter a valid username and password of a user registered in the system. The credentials entered remain valid for 5 minutes.

The main screen, when the system does not detect any alarm, the LCD shows:

X W E B 5 0 0 E V 0 X W E B E V 0 1 2 3 4 A c q u i s i t i o n 0 9 : 1 8 1 8 / 0 9 / 2 0 1 5

When the system detectes alarms, the LCD shows:

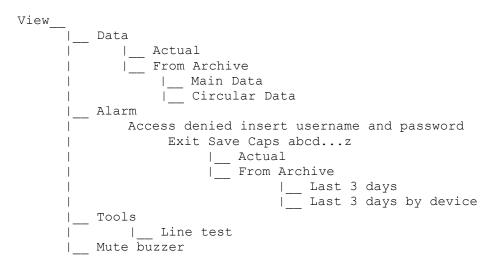
X W E B 5 0 0 E V 0 X W E B E V 0 1 2 3 4 A c q u i s i t i o n A c t i v e A l a r m s : 8

3.2.1 MENU VIEW

From the main screen, pressing the VIEW you access the menu

View → Data Alarm Tools ↓

The complete menu is composed of the



- > The menu data allows you to view current data or archive
- > The menu alarm can display current data or archive
- The menu utility provides access to test the RS485
- The menu mute buzzer allows you to stop the sound of the buzzer, potentially active on alarm

CURRENT DISPLAY AND CHANGE OF CONTROL POINT AND ENTER

Current data from the menu you can select a tool and change the setpoint. The current view is the following:

R S 1 - 0 0 2 X R 1 7 0 C N e w . > - - - - A N A L O G - - - - - < (Pb2 Evaporator - 7 . Room (Pb1) - 1 0 . 8 С > - - - - S T A T U S - - - - -- < On: ON > - - - - S E T P O I N T - - - - < Set Point 1.3°C > - - - - A L A R M - - - - - - < EEPROM Failure: Off P b 3 : Off Error Error Pb1: O f f Open Door: 0 n > - - - - I N P U T - - - - - < Generic Alarm: 0 f f > - - - - O U T P U T - - - - -Cooling: Off Alarm: Off Defrost: Off

To change the current setpoint, the setpoint position and press ENTER, change the set using the "up arrow", "down arrow" and press ENTER.

DATA FROM ARCHIVE

Menu data archive you can select a tool and the variable of interest (for example probe "Room (Pb1)") and scroll through the value on the selected time intervals.

Please select 'information circular' to retrieve samples

						R	0	0	m	(Ρ	b	1)											
1	8	/	0	9	/	2	0	1	5	1	1	:	5	1	:	2	3	-	1	0	•	8	0	С	
1	8	/	0	9	/	2	0	1	5	1	1	:	4	6	:	2	3	-	1	0	•	8	0	С	
1	8	/	0	9	/	2	0	1	5	1	2	:	0	1	:	2	3	_	1	0		8	0	\downarrow	

ALLARMS VISUALIZATION

The alarm menu, enter your username and password valid for the display of the same, you can see alerts

1. Actual and active

Active Alarms → 59 (RS1-002) New_XR170C 58 (RS1-002) New_XR570C 57 (RS1-002) New XR170↓

Selecting the alarm hano details alarm. The information is as those of example:

1592010885 XWEB EVO OPR EN r4.3 2017.07.21.doc XWEB300D/500D/500/3000/5000 EVO 18/127

			А	С	t	i	V	е		А	1	а	r	m	S									
•	С	0	d	е	:		5	9																
	А	d	d	r	е	S	S	:		R	S	1	-	0	0	2								
	D	е	V	i	С	е	:		Ν	е	W	_	Х	R	1	7	0	С						
	С	а	t	е	g	0	r	У		D	е	f	а	u	1	t								
	Ν	а	m	е	:		0	р	е	n		D	0	0	r									
	S	t	а	r	t	:		2	0	1	5	/	9	/	1	8		1	0	:	1	1	:2	8
	Ε	n	d	:		Α	С	t	i	V	е													
	D	u	r	а	t	i	0	n	:		А	С	t	i	V	е								

2. From archive

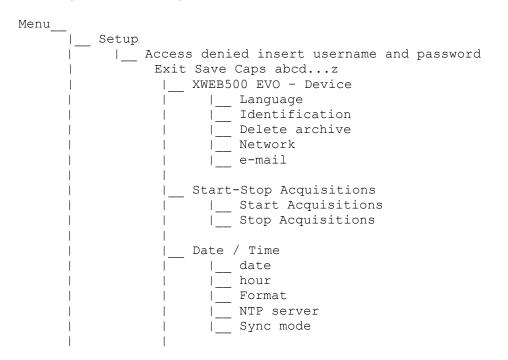
			А	1	а	r	m		A	r	С	h	i	V	е											
•	С	0	d	е	:		6	9																		
	А	d	d	r	е	S	S	:		R	S	1	-	0	0	2										
	D	е	V	i	С	е	:		Ν	е	W	_	Х	R	1	7	0	С								
	С	а	t	е	g	0	r	У		D	е	f	а	u	1	t										
	Ν	а	m	е	:		0	р	е	n		D	0	0	r											
	S	t	а	r	t	:		2	0	1	5	/	0	9	/	1	8		1	4	:	4	5	:	1	3
	Ε	n	d	:		2	0	1	5	/	0	9	/	1	8		2	1	:	4	3	:	1	4		
	D	u	r	а	t	i	0	n	:		0	6	h		5	8	m									
	Т	е	r	m	i	n	а	t	е	d		В	У		S	Ε	L	F								
	Ν	0	t	е	S		Ρ	r	е	S	е	n	t													
	Ν	0	t	i	f	У		Ν	0	t		Ρ	r	е	s	е	n	t								

3.2.2 MENU MENU

From the main screen, pressing the MENU key the user accesses the menu

```
MenU
→ Setup
View
Device Command ↓
```

The complete menu is composed of the



Devices | Add |___ Delete Single Device Delete multiple devices View | (come menu VIEW, vedi sopra) Device Command |___ Access denied insert username and password Exit Save Caps abcd...z Global command |___ Access denied insert username and password Exit Save Caps abcd...z |___ command 1 | command 2 Logout About

- > The account setup allows the configuration of the machine parameters XWEB
- The menu view allows you to view current data or archive
- > The menu command device allows sending commands to instruments

```
Device Command
→ RS1-001 New XR570C
         New XR170C
 R S 1 - 0 0 2
 R S 1 - 0 0 3
         New XR570C↓
 R S 1 - 0 0 1
         New XR570C
→ Device OFF
 Alarm Mute
 Keyboard UN-LOCK
 Device
         ΟN
 Active
         Defrost
 Keyboard LOCK
 Energy saving Active
 Energy saving NOT Active
```

- The global voice-command is used to send commands to groups of instruments, as well as configured on the desktop 'overview'
- The menu logout force entry of the user name and password for future operations that require it
- The menu About allows the display of information related to the model

A b o u t . S o f t w a r e : 3 . 0 . 0 - A 7 - - 4 a 5 d M a x D e v i c e s : 5 0 C o d e : J N P P B Z Z 5 0 0 M A C : 0 0 0 A F 1 2 3 4 5 6 7

3.3 ACCESS TO THE SYSTEM

Access the system from your PC by entering the XWEBEVO IP in the browser address bar. With a direct local connection [screen, mouse and keyboard], this operation is not required, simply switch on the screen.

Dixell	EMERSON. Climate Technologies
Welcor	ne to XWEB EVO
Insert your use	rname and password to login
Username Password	username password
	Login
XWEB500D E	VO - Xweb EVO - 12/03/2015

The user will be directed to the "login" page. From which all users will consistently have access to the system's user interface.

Enter Username and Password to access the system. If the entered details are correct the homepage is loaded, otherwise repeat the operation. Pay attention to the presence of alphanumeric characters or capital letters in the password.

You can only connect to a system being accessed for the first time, which has just completed the "initial wizard" procedure, with:

Username: Admin

Password Admin

Attention: change this password as soon as possible; anyone can read this manual and come into

possession of the access details. Icon may appear bottom-right. It represents the case in which the XWEBEVO is already operational and an alarm has been detected (e.g. high temperature). It will be necessary to login with a valid username and password to be able to recognise the type of alarm and to analyse the system situation. The alarm icon does not automatically assume that the XWEBEVO has activated the relay outputs (e.g. to pilot an alarm siren) nor that someone has been notified of the alarm. This depends on how the administrator has decided to configure the XWEBEVO.

Icon may appear bottom-left. It represents cases in which access to the user interface by nonadministrator users has been blocked. This block is normally executed to indicate a system maintenance operation by a specialised operator.

3.4 XWEB SYSTEM SETUP

3.4.1 INTRODUCTION

In its configuration, the XWEB-EVO system requires connection to its interface of Modbus devices. Make sure that:

- 7. the controller network is suitably connected paying particular attention to the configuration of the device addresses, to avoid non-admitted duplications.
- 8. all instruments are properly powered. Create the list of all connected instruments. Then compare this list with the number of instruments effectively detected by means of the automatic procedure

The XWEBEVO allows for the management of different device lines (also called "nodes"), which can use different types of physical connections and configurations for communication. Obtain the network documentation.

3.4.2 HOMEPAGE AND NAVIGATION BAR

The page that the XWEB-EVO displays on login is the "Desktop Overview". This is further detailed later in the manual, in the section relating to Desktops.

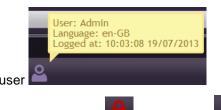
The user can also browse the other main pages that are grouped in the DESKTOPS menu of the navigation bar. Or in other pages, typically for configuration, present in the MENU section.

The navigation bar is always visible on all pages and it enables the user to run the LOGOUT, in other words, to display the interface on the page requesting the username and password.



The user is provided with additional information in the navigation bar, such as:

• Date and time of system

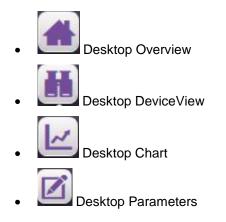


- Information on connected user
- State of access block to "non-admin" users. We block active; Description block not active.

Click on the padlock icon to activate and deactivate the block: a dialog will appear to confirm the operation. When the system is blocked an indication appears on the login page.

- State of the acquisitions. Each active; Each not active
- State of the alarms. At least one active with icon present

The other pages can be accessed from the navigation bar by clicking on the icons





The DESKTOPS and MENU menus can be accessed by clicking on the buttons on the right-hand side of the same page.

For the DESKTOPS pages, navigation is carried out via the carousel from which the user can choose the desired page.



Alternatively, it is possible to scroll down the pages using keyboard short-cuts:

ALT-H (Desktop Overview)
ALT-W (Desktop DeviceView)
ALT-G (Desktop Chart)
ALT-P (Desktop Parameters)
ALT-A (Desktop Alarms)
ALT-L (Desktop System logs)

For the MENU pages, navigation is executed through means of the connections in the "XWEB SYSTEM SETUP" and "TOOLS" sections.



The user can access the desired section by clicking on the name.

3.4.3 SYSTEM CONFIGURATION



The XWEB system is configured upon machine commissioning, via the "initial wizard" procedure described in the chapter.

Subsequently, the system configuration can be modified by accessing the MENU→XWEB SYSTEM SETUP→System Setup. See chapter 3.1 - INITIAL WIZARD PROCEDURE.

3.4.4 CONTROLLER CONFIGURATION



The controller-device configuration phase allows for the association of each connected device with the system. For each device, the system will be able to represent and configure its attributes and functions. The system will, in relation to the selected device, only show the attributes (categories, alarms, inputs, etc..) typical of the device itself. To be able to modify the faulty configuration parameters, the acquisitions must be switched off. Should they remain switched on; an error message will appear upon accessing the page:

XWEB3	000	
	Acquisition is active! Some changes are not allowed. If you need to do some modification, please stop acquisition from XWEB /	Menu
	Error Pb2 External Alarm	ĸ

When entering configuration mode, from this page it will be possible to launch the following operations:

A. DEVICE FIND

Performs a search of the controller network for the Dixell devices. This procedure is automatically launched when no device has been configured. This procedure can also be manually run in the next phase when the tools are already configured, by accessing the tab "Find".

XWEB5000 EVO * Protocol selection dixell485 dixell485 • Description: Find 485 modbus dixell protocol Discovery parameters Peripheral Line 1 485 Start address 1 End address 245	Device Setup	Groups Management	Templates Management	Device Find	Network Management
dixell485 Description: Find 485 modbus dixell protocol Discovery parameters Peripheral Line 1 485 Silence check Sil	XWEB5000 EVO	•			×
Peripheral Line 1 485 🔽 Silence check 🔽			d 485 modbus dixell protocol		
				, 	
Address: 50 Found: 4 devices		Address:	50 Found: 4 devices		
Stop search Start search		 Stop searce 	ch 🖉 🖉 Start search		

To perform the search for the controller devices (also called "nodes")

- 1. Specify a protocol.
 - dixell485: controller search, optimised for wired networks (no wireless)
 - **dixell485xev**: controller search, optimised for wired XEV modules (no wireless)

- dixell485-icool: controller search, optimised for wireless networks (using the iCOOLL modules)
- mb485tcpip: controller search, Modubus-485 connected on tcp/ip gateway
- **mbtcpip**: Modbus search on tcpip
- 2. Specify the 485 serial line

The XWEB300/500EVO models can manage 1 serial line. The XWEB3000/5000EVO simultaneously allows for the management of 2 serial lines. Each line can address a maximum of 247 devices.

3. Specify whether or not the system must run the search by controlling the silence time. The enabling of this parameter allows for the stopping of the search procedure should noise be detected on the line.

If in doubt as to whether or not to enable this function, disable it.

- 4. Specify the Modbus range of addresses to be detected
- 5. Press "Start search" to run the operation.

The search results may display the list of detected devices that can be added to the network configuration. The presence of the system device library is indicated in the "Library" column with the symbol \checkmark . The missing library must be installed should another symbol be displayed.

The name of the device and the group of pertinence can be configured when the row is selected (as shown below).

Dev	ices found						0
	Library	Address 🗢	Network	Name	Group	Rel.	Map
	-	2	Line 1 485	New_XR570C	Default 💌	2.0	4
	~	3	Line 1 485	New_XR70C	Default	1.0	1
	~	5	Line 1 485	New_XR170C	Default	2.0	4
	~	7	Line 1 485	New_XR170C	Default	2.0	4

To confirm the configuration of the devices, select them and press "Apply".

Attention: from this window it is not possible to replace the set-up of controllers already present in the configuration. If at least one of the selected addresses is already present in the "Device List", you will receive an error message:

(1) New_XR570C	Find devices						
	vices found						G
	Library	Address 🗢	Network	Name	Group	Rel.	Map
	×	2	Line 1 485	New_XR570C	Default	2.0	4
	*	3	Line 1 485	New_XR70CX	Default	1.0	1
	4		Line 1 485	New_XR170C	Default	2.0	
	~		Line 1 485	New_XR170C	Default	2.0	

If you have changed a physical device and need to replace it in the system configuration, you must first remove it from the device configuration.

B. ADD/REMOVE DEVICES, MANUAL SETTING

The association with the instrument network configuration can be manually added or removed to/from the controller devices by the user. You must access the "Add/Remove Device(s)" tab.

Device Resources	Group Manager	Template Manager	Find	Add/Remove Device(s)

The list of all the libraries in the system is displayed in this window.

- Add a device
- 1. Select the library to be used from the list:

ADR Name Device Resources Group Manager Template Manager Find Add/Remove Device(s)			
() Controls	Available libraries		
R51-001 New_XW70L	Description	Version *	E2
	OXW90T (1)		
	Х₩90Т	6.9	59
Add Device(s) Remove Device(s)	OXW774L (1)		
Add bence(s) Remove bence(s)	XW774L		
	OXW760V (1)		
	XW760V		0
Available Templates	●XW760L (1)		
Description Creation Date * File Name	XW760L	1.0	0
	●XW720L (1)		
	XW720L	1.0	0
	OXW70L (3)		
	XW70L		
	XW70L	6.0	5
	XW70L	6.3	
	•XW62K (2)		
Click	Х₩62К	1.1	2
CIICK	XW62K		
	©XW60V (2)		
	XW60V XW60V	2.0	4
	•XW605 (2)		4
	XW605	2.2	4
	XW60S	5.0	4
	OXW60L (4)		-40
	XW60L	1.8	
	XW60L	2.0	4
	XW60L	2.1	
	XW60L		47
	OXW60K (1)		
	Х₩60К	1.1	
III	●XW570L (1)		
	XW570L		
👻 Clone Settings	AVAILETAK (1)	1.5	
	· · · · · · · · · · · · · · · · · · ·		

2. Run the Drag'n'Drop on the "Add Device(s)" area:

Devices setup					
There aren't any devices on XWEB setup	Device Resources Group Manager Template Manager Find Add/Remove Device(s)				
Clone Settings	Controls	Available libraries			
		D	Pescription	Version *	E2
		OXW90T (1)			·
			XW90T	6.9	59 😑
	Add Device(s) Remove Device(s)	©XW774L (1)			
	Add Device(s)		XW774L	1.6	0
	Adding devices XW62K Rel.: 1.1 EE: 2	©XW760V (1)			
			XW760V	1.0	0
	Available Tereplates	OXW760L (1)			
	Destription Creation Date * File Name		XW760L		0
		OXW720L (1)			
			XW720L		0
		OXW70L (3)			
	drag'n'drop		XW70L	1.8	9
			XW70L	6.0	50
			XW70L	6.3	53
		●XW62K (2)			
			XW62K	1.1	2
			XW62K	2.3	13
		©XW60V (2)			
			XW60V	2.0	4
			XW60V		4
		OXW605 (2)			
			XW60S		4
			XW60S	5.0	40
		OXW60L (4)			
			XW60L	1.8	9
			XW60L		4
			XW60L		5
			XW60L		-47
		OXW60K (1)			
			XW60K		2
		OXW570L (1)			0000000000
			XW570L		3 🛫
			m		
		and the second s			Stream Street
Logout Time: 19:52 Date: 13/05/2013			Rev: 1792921cb9ce60119319051290bef5c3e7ba2ea	Desktops	A Menu

3. Specify the configuration parameters of the devices on the network.



The correct execution of the procedure will update the left-hand side of the screen with the list of configured controllers.

- To remove a device
- 1. Select the device you wish to remove from the network configuration

Dev	ices	setup							
Net	wor	k (Devices L	ist)	•	Device Setup	Groups Management	Templates Management	Device Find	Network Management
		ADR 🕈	Name			0-00-00000-0000000000000000000000000000		000000000000000000000000000000000000000	Concernance of the second s
0	No g	roup (18)			Drag'n'Drop de	vices to _DND Add/Remov	e_ areas to edit Network of	Devices	
	•	RS1-002	New_XR570C						
	•	RS1-003	New_XR70CX			R			
	•	RS1-005	New_XR170C						
	•	RS1-007	New_XR170C			Area DND Remove			
	•	RS2-001	New_XC1015D			Area DND Kemove A	Area		
	•	RS2-002	New_XC645CX				Removing devices		
	•	RS2-003	New_XM679K				Removing devices RS2-020 New_PC02		
	•	RS2-004	New_XM679K		Available Tem		<u></u>		
	•	RS2-005	New_XM679K		Descripti	on Creatio	n Date	File	Name
	•	RS2-007	New_XM679K						
	•	RS2-008	New_XM679K						
	•	RS2-013	New_XR70CX						
	•	RS2-014	New_XR70CX						
	•	RS2-015	New_XR70CX				an a		
	•	RS2-016	New_XR70CX						
	•	RS2-017	New_XR70CX						
	•	RS2-018	New_ENERG.ANA						
		RS2-020	New_PC02						

- 2. Run a drag'n'drop on the "Remove Device(s)" area. Attention: to correctly execute the drag, click on the dotted area
- 3. Confirm the removal

C. CONFIGURATION OF THE DEVICES-GROUPS

The user can assign controller devices to groups so as to order the configuration according to a functional diagram or physical positioning within the supermarket.

The separate representation of the groups can be seen in the main "Overview" page.

Access the "Group Manager" tab to configure the groups.

Device Setup	Groups Management	Templates Management	Device Find	Network Management

- To add a group
- 1. Press the "Add group" (+) key



- 2. enter the name of the group. E.g. "BT"
- 3. Select the devices to be added to the group. Keys SHIFT and CTRL can be used for multiple selection.
- 4. Run the drag'n'drop of the devices on the group box. Attention: to correctly execute the drag, click on the dotted area

It is also possible to assign the devices to the groups directly using the "Device Find" procedure.

D. RESOURCE CONFIGURATION OF DEVICES

It is possible, for the devices already added to the controller network configuration, to customise their resources. For example, the variable name as well as other features. Select the "Device Resources" tab to access this feature.

	Device Setup	Groups Management	Templates Management	Device Find	Network Management
--	--------------	-------------------	----------------------	-------------	--------------------

- Customisation of device name.
- Enable Device

No: by enabling this option, XWEB not query the device and therefore no value from the device is displayed. This option is useful when you want to create pre-device configurations but will not fit them to keep them in a real network context.

Yes, not logging in OFF mode: by enabling this option, XWEB interrogates the device. In the event that the device is in ON displays the data in real time keeping them stored in the historical archives. In periods when the device is OFF, the device data are not available.

Yes, not logging in OFF mode: by enabling this option, XWEB interrogates the device. Both in the case that the device is in the ON or OFF displays the data in real time keeping them stored in the historical archives. This option is useful in case the tool should be used as a 'probe'; the data read from the instruments in OFF are not always valid and should be checked with Dixell on what tools to use this function.

• Main Sampling (mm:ss)

Registration time of main history data. This time represents the maximum resolution of each sample, after the two days of sampling.

No-Link timeout

Time after which the system detects the condition of the disconnected device.

• XWEB Clock-Sync

Enable the XWEB in order to synchronise the instrument clock. This option is only available for devices with RTC. The update operation is automatically run by the system on a regular basis.

- Customisation description of variables and of the unit of measure
- 1. Select the variable of which you wish to change the description. The string can be edited by typing in the "Custom name" or "Unit" column.

Device Resources			
Original Source	Custom Name 🗢	Unit	Sc
		Analog (3)	
Evaporator (Pb2	Evaporator (Pb2	°C	
📝 Room (Pb1)	<u>Sonda temperatura</u> stanza	°C	
		10	지나나나

• Registration in threshold main data (Red.Edge) and not sampling (only for digital type variables).

This function allows you to keep the thresholds unaltered, even below the sampling times for the main data for the variables selected, in order to allow for the detailed graphical representation of the same variables, even after two days. To enable the function, tick the box relating to the variable in the "Sodsc" column. Attention: the enabling of this function can also drastically reduce the overall memory of the XWEB history. Only enable this function for short periods of a few days.

• Enabling of the variable for "DeviceView" page.

The variable is inserted in the DeviceView page if the box corresponding to the same variable is enabled. By default, each variable is enabled in this context.

• Enabling of the Notify variable

The variable is inserted in the snapshot table, in the instrument notifications. For example, as seen in the image below, the variable is inserted in "Row 3" of the table. All values in this table are relative to those displayed when the notification is sent.

• Enabling of the Graph variable

The variable is inserted in the snapshot graph, in the instrument notifications. For example, as seen in the image below, the variable is inserted in "Row 4" of the graph.

y stem Name: ate/time: ome categoria allarme: evel name: rom: p:	Serious director exampl	n 18 18:22:53 2013 s Temperature Alarms r le@domain.com luca.picello@emerson.	com				
		1 NI	EW ALARN	I(S)			
Dentes Marana H.	1700			1001	1		Row
Device XR170C New_XR: Alarm name	1700	Started	Ended	A/RS1-007	Term.	Alarm Code	1
Open Door		18/06/2013 17:15:11	Ended	Duration	Territ.	000000117	2
Set Point:	Set 6	Point: -23.00 °C		I	1	00000117	3
Probes:				(Dho) 10 00 80			
		m (Pb1): -22.20 °C		(Pb2: -10.20 °C			
Device Status:		Device On 'gy Saving: Energy Savi	Defrost: De ng On	frost Off	Keyboar	d: Keyboard Unl	
Digital Input:	Door	r Switch: Door Open	Generic Ala	rm: Generic Alarm			
Device Outputs:	Defrost: Defrost OFF Alarm: Alarm Cooling: Cooling OFF			m OFF	Fan: Far	1 ON	
		4					4
-22.27	****				1771417714 P		
-22.46					[°C] Set	Point	
-							
-22.66		сонанана конананананананана	нанананананананана	NUMERIC ROMONDING NOTION	[°C] Bor	om (Pb1)	
-22.85	4077540775407744774477754077547754775477						
r							

• Clone configuration of an instrument

The XWEB-EVO allows for the cloning of the configuration of a device to reduce the number of configuration operations on the network instruments. To do this, select the source control and click on "Clone Settings".

Devices setup					
Device List		Device Resources Group Manage	r Template Manager Find	Add/Remove Device(s)	
ADR	Name				
e (5)		Address 5 Clone Settings			×
🔲 🔹 RS1-010	New_XC1015D	Main Samplin			
🔲 🔹 RS1-002	New_XR570C	Clone Settings Eve	erything 💌		
RS1-003	New_XR70CX	Device Resol Select destination	devices from below list		
RS1-005	Fish 01				
RS1-007	New_XR170C	Available device in			
1. click			ADR 🗢	Name	
		Evaporate O (1)			
4	4 III		S1-007	New_XR170C	
6		Set Point			
🕒 Clone	e Settings	• State (4)			
		Defrost			
2. clic	:k	Energy Sa			
		Keyboard			
		On Con			

From the drop-down menu select:

- "Everything": applicable only to compatible instruments. For a copy of all device parameters.
- "Common Settings": applicable to all instruments. For a copy of only the compatible parameters that can be detected on the destination device.

Select the devices to which you wish to apply the copy of configuration parameters on the network and click OK. The 'name', 'sampling', 'no-link time out' and 'clock syncro' parameters, at this point, are all duplicated alongside all descriptions of the variables and their display parameters. **Advanced configuration of the device**

Press "Switch Mode" at the top-right to access the advanced configuration parameters

Switch Mode

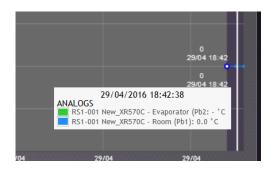
The user can configure the variable description (resources) of the device and for each of these, configure:

- Sampling: specific acquisition time of the resource. If set at 00:00, the acquisition time will that which is global for the device ("Main Sampling"). By default this parameter is set at "00:00". This parameter is relative to all resources available being read by the device and not for the controls.
- Save: data-logging enabling for the variable. If this checkbox is disabled, the variable is displayed in real time on the runtime/device-view page but the history of its trend will not be maintained. This parameter is enabled by default. This parameter is relative to all resources available being read by the device and not to the controls.
- Reading Frequency: this parameter sets the activities on the polling cycle for the resource. Disabled debilitates all resource reading and writing operations; each X to enable them where X is the delay in the polling rounds. By default this parameter is set to Disabled or Each 1 (variable management for each polling round, for analogue and digital resources) or Enabled for control resources.
- Alarm Category: This parameter links the state variables and alarms, their alarm-categories with which notifications will be managed either locally or remotely on the user interface with email / fax / sms / etc. This parameter corresponds exactly to what the user can go to configure Menu→Alarms Setup→Strumento () → Category
- Chart default: this parameter that includes the enabling or not of the variable and its color, is used for the graphical representation of default in the graph pages such as that of 'deviceview'.

For instance

And becap Maraneea mode						
Original Source	Custom Name	Sampling	Save	Reading Frequency C	Chart dei A	
Analog (6)						
Room (Pb1)	Room (Pb1)	00:00	V	Each 1		
Evaporator (Pb2	Evaporator (Pb2	00:00	V	Each 1 🛛		
			100000000			

When the user accesses the 'deviceview' of the instrument this will present a chart with the default selected and their color variable page.



Export template



Com. Settings



Allows the user (by default only for admin) can change on the fly the Modbus address configuration of the Modbus network tools. The Modbus address change by this function keeps the historical data for the instrument. The function does not impact the cfg Modbus address in the instrument.

The same window allows you to customize the serial configurazione for Modbus address so that XWEB can be adapted to the serial configuration of third-party tools whose configuration is usually modified by instrument and / or has not been specified in development of the library.

Connection R5485				RS48	5		•
RS485 configuration							
Value	Edit		Property	Library default	Value	Edit	
RS1	RS1	•	Speed		9600	9600	-
1	1	-	Parity		n	n	•
No	No	•	Data bits		8	8	-
RTU	RTU	•	Stop bit		1	1	\
150	150		Interframe (ms)		5	5	-
			DTR before (ms)		5	5	÷
			DTR after (ms)		0	0	-
	RS1 1 No RTU 150	Value Edit RS1 RS1 1 1 No No RTU RTU	Value Edit RS1 RS1 1 1 No No RTU RTU 150 150	Serial configuration Value Edit Property RS1 Speed 1 1 Parity No No Data bits RTU RTU Stop bit 150 150 Interframe (ms) DTR before (ms) DTR after (ms)	Value Edit Property Library default RS1 RS1 Speed - 1 1 ♀ Parity - No No □ Data bits - 150 150 ↓ Interframe (ms) - DTR before (ms) - DTR after (ms) -	Serial configuration Value Edit Property Library default Value RS1 RS1 Speed - 9600 1 1 Parity - n No No Data bits - 8 RTU RTU Stop bit 1 1 150 150 DTR before (ms) - 5 DTR after (ms) - 0 0	Serial configuration Value Edit Property Library default Value Edit RS1 Speed - 9600 9600 1 1 Parity - n n No No Data bits - 8 8 RTU RTU Stop bit - 1 1 150 150 DTR before (ms) - 0 0

Apply configuration



The Apply key is used to apply any changes to the configuration made on the Web-Browser to the XWEB-EVO system. We recommend applying the configuration to even the smallest of modifications.

E. DEVICE TEMPLATE CONFIGURATION



The configuration of a device can be imported into the Template gallery. These devices can then be setup using the "Add/Remove Devices" section as demonstrated in the image below

Device Setup	Groups	Templates	Find Devices	Add/Remove Devices
Drag'n'Drop device	s to _DND	Add/Remove_	areas to edit Net	work of Devices
	-80			
Add Device	R			
Ado	ding device	es nplate: this is n	v description	
Available Templat		ipate: any is in	iy description	
Description		Creation	Date 🕈	File Name
●XR563D (1)				

3.4.5 USER/BOOK CONFIGURATION



The user configuration page allows for the configuring of the XWEB-EVO book. This book is unified in the system for all operations involving external users. Users are intended, for example, as those who have access to the web interface; users can also be those receiving alarm notifications.

Upon the system commissioning, there will be a single user configured and enabled: Admin. For which full access to the Web interface in English is guaranteed. The user belongs to the "superadmin" profile. The user with right to access this page can:

User setup		
Users	User details User permissions	
Username Name Last name Profile		
Admin Admin superadmin	User details	
a design of the second s	Name Admin	
	rumo Admin	
	Description administrator	
	Creation date Mon May 13 2013 18:32:09 GMT=0200 (W. Europe Daylight Time)	
New Delete Save	Expiration date	
	Enabled 2	
	Web access details	
	Utername Admin	
	Password	
Profiles	Language English (Great Britain) 📼	
Name		
superadmin	Incoming notifications	
admin	Emak	
wtor	Fax	
	SM5	
	Custom SMTP configuration	
Menning Delete Sive	Enable custom SMTP	
	Hist	
	Username	
	Password	
	Authoritication No 💌	
Logout Date: 22/05/2013 🔐 📴 🥼	New INTERNATIONALISTICATION AND A Desktops	Mer

• Display/modify the access rights of users

Clicking on the user list updates the section on the right-hand side of the screen with the "User Details" and "User Permissions". To apply the changes to these system sections, press "Save" on the "Users" section. To delete users, select the desired user and press "Delete". Attention: it is not possible to delete the 'superadmin' profile user; Attention; the user permissions may differ from those set on the profile indicated for the same user: the profile name is that of default which was used to create the user.

• Display/modify the profile rights

User setup					•
Users				Profile details Profile permissions	
and the second s					
Username	Name	Last name	Profile		
Admin1234	Admin		superadmin	Widgets permissions	
Admin			admin	name	
				Chart	-
				New temptate	2
				Save tempkato	10
				Delete templato	-
	New			© Commands	
				Send command	2
				Devices View	
				Edit setpoint	2
				Send command	12
				Set device	12
Profiles				A Guine	
		ame			
superadmin	N.	ame		System permissions	
				name	
admin				• System setup	· •
user				configure sms service	2
hhhhhhhh				configure auxiliary output	2
				configure date and time	-
	New	elete Save		configure dialup connections	53
				configure datup extensions	12
				configure email service	53
				configure enous service	12
				configure language and keyboard	23
				configure moderns.	12 -
				C III	
	11.11.11.11.11.11.11.11.11.11.11.11.11.				_
Time: 12:34			100	Rev: 170201x14/ce801931905/200e/fc80-fbalas	A Menu

Clicking on the profile list updates the section on the right-hand side of the screen. By accessing the "Profile Permissions" section, it is possible to browse and/or modify the profile attributes. for any modifications to be applied to the system, they must be confirmed by pressing "Save" in the profile list.

• Create/Delete profiles

Click on "New" in the profile section to add a profile.

Create new profile	×
Profile name	
My New User Profile	
Inherit permissions from profile user v admin user	Confirm

Name the profile and select the starting profile: the new profile will have the same access rights as those of the starting profile.

To delete a profile from the system, select it and press "Delete" in the profile area. Attention: the superadmin/admin/user profiles cannot be deleted.

• Create/Delete users

Click on "New" in the user section to add a new user.

Create new user	×
Username*	
AnotherUser123	
Password*	
Confirm password*	
Name	
Dummy	
Last name	
Surname	
Profile	
admin 💌	
admin user	
My New User Profile	
Confirm	

Complete the compulsory data and press "Confirm". Each user is created with the selected profile permissions. The username/password parameters are for web access. Name and Last name are the terms with which the user will be indicated in the book.

• Desktop and user/profile permission parameters

Widgets permissions		
	name	
Chart		-
Save template		
New template		E 1
Delete template		2
Commands		
Send command		
Devices View		
Set device		
Edit setpoint		
Send command		2
Caliza	II.	*
	name	
	name	
System setup		
configure sms service		I
configure auxiliary output		2
configure date and time		
configure dialup connections		2
		12 12
configure dialup connections configure dialup extensions configure email service		
configure dialup extensions		2
configure dialup extensions configure email service		53 53
configure dialup extensions configure email service configure hardware alarms limits		53 53 53

The user permissions enable him/her to perform a number of operations.

Access to the desktops is configured in the Desktop section and the main desktop that is accessed immediately after login is set.

3.4.6 ALARM CONFIGURATION

The alarm configuration is accessed from the MENU \rightarrow XWEB SYSTEM SETUP \rightarrow Alarms Management. Access to the page allows for the customisation of the alarm categories and notification parameters: The XWEB-EVO uses this information to detect the alarms from the controllers and notify their status to the users in the book.

• Principles of operation

The XWEB-EVO detects the present controller alarms in an alarm-category. Once the device alarm has been detected, the system confirms this after a certain period of time (see Delay parameter, "alarm category parameters"). Upon alarm confirmation, the first level users are also notified. If the alarm persists, other notifications may be sent to the same recipients (see re-send time, "alarm level parameters"). If the alarm persists beyond the maximum time permitted to the level (see re-send life time, level parameters), the level shifts, sending the subsequent notifications to the recipients of the subsequent level. The alarm recovery is also normally notified: there are many parameters that can be used to customise notifications according to your requirements; these will be individually described in the following pages.

ate/time: ome categoria allarme: evel name: om: ;	Wed May 30 09:50:24 2012 Default Test Level 1 xweb5k-evo@email.com Luca luca.picello@emerson.com							
		21 N	EW	ALARM(Row
Device XM679K New_XM6	79K	Charles	End	- 4	A/14		Alarm Oada	1
Anarm name High SuperHeating		Started 30/05/2012 09:49:49	End	eu	Duration	Term.	Alarm Code 0000000403	2
MOP		30/05/2012 09:49:49	-				0000000403	3
LOP		30/05/2012 09:49:49					0000000411	4
EEPROM Failure		30/05/2012 09:49:50					0000000415	5
Pressure Probe Alarm		30/05/2012 09:49:50					0000000419	6
Error Pb4		30/05/2012 09:49:50					000000423	7
Set Point:	Requ	II. SSH: 0.00 °C		Set Dew Point	t: 0.00 °C			8
Probes:	Probe 1: 0.00 °C Superheating: 0.00 °C			Probe 5 temp: 0.00 °C Regul. Probe: 0.00 °C Min Temp: 0.00 °C				
Device Status:	On: Device Off Keyboard: Keyboard Unlocked Superheating Not Avail: Superh Fan Delay: Fan Delay OFF			Defrost: Defrost Pause: Defrost P Energy Saving: Energy Saving Off STP: STP OFF Press. Not Avail: Press. Not Avail RegTimeOutAfterDef: Re				
Digital Input:	Generic Digital Input1: Dig Input			Generic Digital Input2: Dig Input Generic Digital Input3: Di				
Device Outputs:	Defrost: Defrost OFF Fan: Fan OFF		Alarm: Alarm OFF Light: Ligh Aux: Aux OFF Compress			ht OFF sor: Compresso		
282.24								9

Above, an example of alarm notification with a PDF file, included as an attachment in the new alarm notification mail.

• List of controllers

The list of configured controllers is always present on the left-hand side of the screen. Clicking on the lens - as demonstrated below - selects the "Category Settings" tab which displays the list of all variables configured as alarms.

RS1-005 New_XR17			-			
	Showing	Associated Variables for Devic	e: RS1-100 New_XW760L	Show All Variables		
Variable Name 🕆	Addr	Device		Model	Category	_
ooling	RS1-100 RS1-100	New_XW760L	XW760L		Default	
EPROM Failure	RS1-100 RS1-100	New_XW760L	XW760L		None	
rror Pb1	RS1-100 RS1-100 I	New_XW760L	XW760L		Default	
rror Pb2	RS1-100 RS1-100	New_XW760L	XW760L		None	
rror Pb3	RS1-100 RS1-100	New_XW760L	XW760L		None	
igh Value Pb1	RS1-100 RS1-100 I	New_XW760L	XW760L		Default	
ow Value Pb1	RS1-100 RS1-100	New_XW760L	XW760L		None	
oLink	RS1-100 RS1-100 I	New_XW760L	XW760L		Default	
pen Door	RS1-100 RS1-100	New_XW760L	XW760L		Default	
TC Failure	RS1-100 RS1-100	New_XW760L	XW760L		Default	

The buttons are also present on the left-hand side of the window.

- 1. "Clone Alarm Settings" for copying between instruments of the same alarm-category settings.
- 2. "Save Configuration" to apply any modifications. **Attention**: the save operation must be performed each time the tab is changed otherwise any modifications will be lost.

On the right-hand side of the window are three different tabs identifying the below described configuration parameters.

• Alarm-Category Parameters Tab

The Alarm-Categories is a list of types of alarm, with the purpose of grouping the alarms that must be dealt with in the same manner, from a point of view concerning alarm detection and their notification.

For example, it is possible to create a category named "Temperature Alarms" or "Pressure Alarms"; and associate all alarms of this type with the above-mentioned alarm-categories.



Access the tab in order to scroll down the list of configured alarm-categories. Each alarm-category displays a list of notification levels (as demonstrated above).

- press "+" to add a new category.
- modify the category by pressing
- eliminate the category by pressing
- to display the configured alarms for the category, press

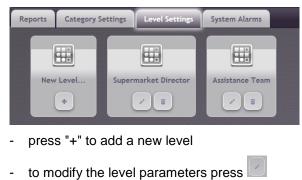
Category parameters:

Closure Acc.	0	
Addr 🗢	Name	Category
🛛 🖬 EEPROM Failure		
🛛 🖬 Error Pb1		
9 🗹 Error Pb2		
Error Pb3		
🛛 🗹 External Alarm		
🛛 🖬 High Value Pb1		
🛛 🖬 High Value Pb2		
🛛 🖬 Low Value Pb1		
🛛 🖬 Low Value Pb2		
De NoLink		
🛛 🗹 Open Door		
🛛 🗹 RTC Failure		

- Name: identifies the category itself;
- **Delay**: stand-by time for the processing of the alarm, from when it is read by the controller network to when it is effectively considered an alarm: if the alarm is resolved before this time runs out, the source of the alarm is ignored. This parameter is useful for the delayed management of the "open door" status which comes from an I/O board: the variable is not an alarm but with the XWEB-EVO it can be used as if it were.
- Accumulation time to alarm reset: the system sends notification when the alarm is reset. However, the system waits for the resetting of other alarms for the period indicated in this parameter, before sending a cumulative notification. This therefore reduces the notification line's task; relieving it of any critical conditions such as is the case when the line is slow (e.g. fax line). This parameter works similarly to the "Accumulation" time present amongst the "alarm notification parameters": However, in the case of the alarm-categories, the time is divided between all of the "Alarm Level Settings";
- Alarm-Level Settings: notification level. The order is important: the first level to be notified (entry level) is that with the lowest number ("Setting 1"). The up-scaling of the notification level occurs based on the parameters set in "Settings".
- Alarm types, quick configuration (optional): list of all types of alarms recognisable in the configured devices. The sole selection of the types does not change the alarm-category configuration. But on the contrary, prepares the category for the receipt of these alarms the next time the User assigns a device to the same category. Example: having configured the category with a "High Temperature" alarm, drag a list of controllers and drop into the same category: this assigns the "High Temperature" alarm for all devices in the list for the category.

Level Parameter Tab

The alarm notification parameters identify the notification levels. Each level includes the users who receive the alarm notifications.



- to eliminate the level press

Some parameters must be set for each "Setting":

Edit Level				500.04		34666355						
Level Name	Emailizza										0000000	
Notify when alarms start Notify when alarms stop Send Single Notification												
Accumulation Time	1	٢	Minutes	•								
Resend Time	1	•	Hours	-								
Level Change Time	1	.	Hours	-								
Service Activation	AUX2 RAUX1	THE R. P. LEWIS CO., LANSING MICH.	AUX3 RAUX2		Printer		🔳 XCe 🔲 RAU					
		U	Jser 🔶			FAX	FAX OCR	EMail	EMAIL WITH IMAGE	EMAIL WITH ATTA(SMS	
	a a (a)											<u>^</u>
	Admin (Admin)									200 - BOS		
	asdf asdf (asdf)											-
	Daniele Venero	ni (dver	neroni)					V				
	en en (en)											
	gb gb (gb) Michael Newma	n (mne	wman)									-
Email/Fax Header	Interfact NewIna		- main									
Calendar												-
					Ca	ancel			Sav	re Chang	es	

- Setting Name: identifies the notification level
- {166Notify on Start167}: enabled for the sending of new alarm notifications
- Notify on End: enabled for the sending of alarm-over notifications
- **Send Single Notification**: the enabling of this parameter invalidates the accumulation time. If the system detects two alarms simultaneously, the users will receive two separate notifications.
- **Accumulation Time**: the time during which the system awaits the detection of new alarms for the sending of a cumulative notification
- **Re-send Time**: interval between notifications of persisting alarms. For example, if a new alarm message is sent but ignored or lost, the system notifies the same message again after the indicated time. This parameter is critical to "level" climb logic: if this parameter value is 0 after the first notification, the level is scaled upwards
- **Resend TTL**: maximum time within which the continuously active alarm is notified of the current level rules. After this time, the level is up-scaled to the next level indicated in the alarm-category.
- Service Activation:
 - AUX2/AUX3: the alarm notification occurs by means of the local relay, physically present on rear of the XWEB-EVO machine. The configuration parameters of this relay are available on page "Menu→XWEB SYSTEM SETUP→System Setup→AUX Outputs". Warning: the 500D / 500 models the AUX2 / AUX3 entries are identified by the AUX1 and AUX2 names. For XWEB300D the relay system is named SYSAUX
 - 2. RAUX1/ RAUX2/ RAUX3/RAUX4: the alarm notification occurs by means of the remote relay physically present on an XJR40D controller connected to the Modbus network. The relay parameters of this controller are available on page "Menu→XWEB SYSTEM SETUP→System Setup→AUX Outputs"
 - 3. PRINTER: the alarm notification occurs by means of the local printer physically connected/configured to the XWEB-EVO. The configuration parameters of this printer are available on page "Menu→XWEB SYSTEM SETUP→System Setup→Printers"
 - 4. XCENTER: the alarm notification is sent to the Dixell XCenter system. Configure the system by accessing the page "Menu→XWEB SYSTEM SETUP→System Setup→XCenter"
 - 5. FAX (ONLY FOR XWEB3000/5000): the alarm notification is performed through means of a fax message being sent over the telephone line

custom string -	Xweb EVO nome sis	stema XWEB EVO descrizione sister	na - Message (HTML)		- 0	x
Message Developer						۲
From: OXweb EVO nome sistema [example@domain.com]				Sent: merco	oledî 02/10/2	013 15.42
То: ••••						
Cc:						
Subject: custom string - Xweb EVO nome sistema XWEB EVO descrizion	e sistema					_
P 1			<i>4</i> • • •		-	
Device	Model	Alarm name	Started	Ended	Term	
RS1-007 New_XR170Cxxxxx	XR170C	Low Value Pb1	18/10/2013 17:26			=
						_

- FAX OCR (ONLY FOR XWEB3000/5000): the alarm notification is performed by means of a fax message being sent over the telephone line in a fixed-width font format and therefore automatically segmented
- 7. EMAIL: the alarm notification is performed by means of an email message being sent as demonstrated below

The HTML part is the format rendered by the browser. The text is better suited to automatic parser and is as follows.

```
Content-Type: text/plain; charset="UTF-8"
Content-Transfer-Encoding: 8bit
Alarm Report: XWEBEVO Xweb EVO system name|XWEB EVO system description
START|18/10/2013 17:26|RS1-007 New_XR170Cxxxxx|Low Value Pb1
```

The text is common to all other email formats.

8. EMAIL IMG: the alarm notification is performed by means of the sending of a message, in which the body constitutes an image. The format is as follows:

Message Developer					
• Xweb EVO nome sistema [example@domain.com]	a		Sent:	mercoledi 02/10/
System Name: Date/time: Nome categoria allarme: Level name: From:	Xweb EVO nome sistema Fri Oct 18 17:26:01 2013 Default first level example@domain.com				
To: Subject:	custom string				
Subject.	custom string				
	1 F	NEW ALARN	(5)		
Device XR170C New_X Alarm name	R170Cxxxxx Started	Ended	A/RS1-007 Duration	Term.	Alarm Code
Alarm name Low Value Pb1	R170Cxxxxx Started 18/10/2013 17:26:00	Ended	A/RS1-007	Term.	Alarm Code 000000117
Alarm name Low Value Pb1 Set Point:	R170Cxxxxx Started 18/10/2013 17:26:00 Set Point: 5.00 °C	Ended	A/RS1-007 Duration	Term.	
Alarm name Low Value Pb1	R170Cxxxxx Started 18/10/2013 17:26:00	Ended Evaporator Defrost: Def	A/RS1-007 Duration		00000011
Alarm name Low Value Pb1 Set Point: Probes:	(R170Cxxxxx Started 18/10/2013 17:26:00 Set Point: 5:00 °C Room (Pb1): -22:20 °C On: Device On	Ended Evaporator Defrost: De ving On	A/RS1-007 Duration		00000011
Alarm name Low Value Pb1 Set Point: Probes: Device Status:	KR170Cxxxxx Started 18/10/2013 17:26:00 Set Point: 5.00 °C Room (Pb1): -22.20 °C On: Device On Energy Saving: Energy Sa	Ended Evaporator Defrost: De ving On	A/RS1-007 Duration r (Pb2: -10.30 °C efrost Off arm: Generic Alarm		00000011
Alarm name Low Value Pb1 Set Point: Probes: Device Status: Digital Input:	R170Cxxxxx Started 18/10/2013 17:26:00 Set Point: 5.00 °C Room (Pb1): -22.20 °C On: Device On Energy Saving: Energy Sa Door Switch: Door Defrost: Defrost OFF	Ended D Evaporator Defrost: De Ving On Generic Ala	A/RS1-007 Duration r (Pb2: -10.30 °C efrost Off arm: Generic Alarm	Keyboard	00000011
Alarm name Low Value Pb1 Set Point: Probes: Device Status: Digital Input: Device Outputs:	R170Cxxxxx Started 18/10/2013 17:26:00 Set Point: 5.00 °C Room (Pb1): -22.20 °C On: Device On Energy Saving: Energy Sa Door Switch: Door Defrost: Defrost OFF	Ended D Evaporator Defrost: De Ving On Generic Ala	A/RS1-007 Duration r (Pb2: -10.30 °C efrost Off arm: Generic Alarm	Keyboard	00000011
Alarm name Low Value Pb1 Set Point: Probes: Device Status: Digital Input: Device Outputs:	R170Cxxxxx Started 18/10/2013 17:26:00 Set Point: 5.00 °C Room (Pb1): -22.20 °C On: Device On Energy Saving: Energy Sa Door Switch: Door Defrost: Defrost OFF	Ended D Evaporator Defrost: De Ving On Generic Ala	A/RS1-007 Duration r (Pb2: -10.30 °C efrost Off arm: Generic Alarm	Keyboard	00000011 I: Keyboard Uni
Alarm name Low Value Pb1 Set Point: Probes: Device Status: Digital Input: Device Outputs: 6.53	R170Cxxxxx Started 18/10/2013 17:26:00 Set Point: 5.00 °C Room (Pb1): -22.20 °C On: Device On Energy Saving: Energy Sa Door Switch: Door Defrost: Defrost OFF	Ended D Evaporator Defrost: De Ving On Generic Ala	A/RS1-007 Duration r (Pb2: -10.30 °C efrost Off arm: Generic Alarm	Keyboard Fan: Fan [*C] Set	00000011 I: Keyboard Uni ON
Alarm name Low Value Pb1 Set Point: Probes: Device Status: Digital Input: Device Outputs:	R170Cxxxxx Started 18/10/2013 17:26:00 Set Point: 5.00 °C Room (Pb1): -22.20 °C On: Device On Energy Saving: Energy Sa Door Switch: Door Defrost: Defrost OFF	Ended D Evaporator Defrost: De Ving On Generic Ala	A/RS1-007 Duration r (Pb2: -10.30 °C efrost Off arm: Generic Alarm	Keyboard Fan: Fan	00000011; I: Keyboard Uni ON

- 9. EMAIL ATT: the alarm notification is performed by means of the sending of an email message with a PDF file attached and containing the same information as the EMAIL IMG.
- 10. SMS: the alarm notification is performed by means of the sending of an SMS message.
- **Email/Fax header**: customised text entered in the subject field of emails and faxes.

- Calendar: filter calendar on alarm notifications; the calendar identifies the period during which the

notification messages will not be issued Calendar:

calendars are set on the system with present in TOOLS.

All email formats can be analysed by automatic robots examining the section "text/plain". Below is an example of an alarm email:

```
Thread=Topic: Alarm(S) Notification - XweD Evo XwEB Evo
Content=Type: multipart/alternative; boundary="----_=_NextPart_001_00dbe1c4.5236b
This is a multi-part message in MIME format.
----- = NextPart_001_00dbe1c4.5236b6ac
Content=Type: text/plain
Report Allarmi: XWEBEVO Xweb EVO|XWEB EVO START|13/09/2013 17:34|RS1=040
New_XC1008D|No=Link
Device Model Alarm name Started Ended Term.
RS1=040 New_XC1008D Xc1008D No=Link 13/09/2013 17:34
```

-----_=_NextPart_001_00dbe1c4.5236b6ac Content-Type: text/html

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN" "http://www.w3.org/TR/xhtml11/D

Alarm-Category Settings Reports Alarm-Level Settings System Alarm Alarm on Blackout Return Alarm on SMS Send Error Alarm on High CPU Temp Alarm on XCenter Trap Error Alarm on Printing Error Alarm on Historical HD Full Alarm on Log HD Full Alarm for Digital Input 1 State Alarm for Digital Input 2 State Alarm on Temporary HD Full Alarm on Email Send Error Alarm for System Configuration error Alarm on FAX Send Error Receivers: Enable AUX1 management EMAIL EMAIL EMAIL FAX OCR FAX INFO SMS Name 🗅 FAX INFO ATT Admin luca

• Tab System Alarms

Enable system alarms that must be managed by the system, with notification i.e. via email. The messages sent by the system are of the same type as those managed by "system messages" By selecting "Email" + "EMAIL INFO" for the sending, you select the extended email format demonstrated in the image below. The email in the mail client appears as (Outlook 2007):

| Xweb EVO nome sistema <example@domain.com>
an mich +</example@domain.com> | | 17:38 (vor 17 Stunden) 🚖 🔸 📼 |
|---|--|----------------------------------|
| | Xweb EVO nome sistema | A |
| | | 1 |
| dixel | XWEB EVO descrizione sistema | EMERSON.
Climate Technologies |
| E | vento messaggio di sisten | na |
| | Informazioni di sistema: | |
| Data/Ora | Tue Oct 1 17:39:00 2013 | |
| Sistema acceso da | 5 Ore 54 Minuti | |
| Temperatura Cpu | 86.87 °C | |
| Carico medio della Cpu | 0.44 0.43 0.37 | |
| Spazio usato nel disco storici | 3% | |
| Spazio usato nel disco log | 5% | |
| Spazio usato nel disco temporaneo | 1% | |
| Memoria totale disponibile | 1619 Mb | |
| Memoria utilizzata | 25.92% | |
| Stato acquisizioni | ON da 5 Ore 50 Minuti | |
| Stato relay allarme | OFF da 5 Ore 51 Minuti | |
| Stato relay Aux 2 | OFF da 5 Ore 51 Minuti | |
| Stato relay Aux 3 | OFF da 5 Ore 51 Minuti | |
| Velocità ventola rack | Bassa velocità da 0 Ore 0 Minuti | |
| Dispositivi a setup | 11 Totali 11 Abilitati | |
| Allarmi dispositivi | 3 Totali 3 Notificati | |
| Errori notifiche | 0 0 0 0 0 (mail,fax,sms,print,snmp) | |
| Tempo di ciclo acquisizione | RS485_1: 1 Minuti 7 Secondi (175 48 122 5) |) |
| Ingresso digitale 1 | | |
| | | |

The same email in text format can be segmented and the most significant information highlighted in yellow: Date: Tue, 1 Oct 2013 15:38:58 +0000

To: <xyz> From: Xweb EVO system name <example@domain.com> Subject: Caution: Cpu HT / Stp MIME-Version: 1.0 Content-Type: multipart/alternative; boundary="-----EVO40DFF36D5A44ECBC" Return-Path: example@domain.com X-OriginalArrivalTime: 01 Oct 2013 15:38:57.0073 (UTC) FILETIME=[5774E210:01CEBEBC] ------EVO40DFF36D5A44ECBC Content-Type: toyt/plain: charact="utf@"

Content-Type: text/plain; charset="utf8" Content-Transfer-Encoding: 8bit

IP:10.100.81.208 GATEWAY:10.100.81.1 EXTERNAL-IP:10.100.81.208 DNS1:10.100.80.20 DNS2:

-----EVO40DFF36D5A44ECBC

Diminutives errors, of subject

Acq OFF	The acquisitions are stopped.
Cpu HT	High temperature of CPU
Ist LS	History disc space almost exhausted
Log LS	Log disc space almost exhausted
Tmp LS	Temporary disc space almost exhausted.
Eml	Email sending errors
Fax	Fax sending errors
Sms	SMS sending errors
Prn	Print errors
Trap	Trap to xcenter sending errors
Di1	Error from digital input 1
Di2	Error from digital input 2
BlackOut	Return from blackout error
Stp	Evo configuration error.

Other information

IP:	=>	IP address.
GATEWAY:	=>	Network gateway address.
EXTERNAL-IP:	=>	(coincides with EVO IP)
DNS1:	=>	First dns
DNS2:	=>	Second dns

Tab Reports

This window enables the User to verify the alarm configuration from certain reports. Select the filter identifying the report and press "Apply Filter".

- Device alarm list, not associated with any alarm-categories

Reports Category Settings Delivery Settings			
Filters			
⊙ Unassociated Alarms			
Full Configuration			2,click Apply Filter
		Filter Results	
Variable Name 🗢	Addr	Device	Model
All	All 🔻	All	All
Error Pb1	RS1-002	New_XR570C	XR570C
Error Pb1	RS1-003	New_XR70CX	XR70CX
Error Pb1	RS1-005		XR170C
Error Pb1	RS1-100		XW760L
Error Pb2	RS1-002	New_XR570C	XR570C

- List of alarms for User

Reports Category Settings Delive	ery Settings				
Filters					
Inassociated Alarms					
Alarms for User					
Tull Configuration					
					Apply Filter
			Filter Results		
Variable Name 🌣	Addr	Device	Model	Setting	Туре
All	All 🔻	All	All	All	All 💌
Cooling	RS1-100	New_XW760L	XW760L	Assistance team	Email
Cooling	RS1-100	New_XW760L	XW760L	Supermarket Director	Email
EEPROM Failure	RS1-005	New_XR170C	XR170C	Supermarket Director	Email
EEPROM Failure	RS1-100	New_XW760L	XW760L	Supermarket Director	Email
EEPROM Failure	RS1-003	New_XR70CX	XR70CX	Supermarket Director	Email
EEPROM Failure	RS1-002	New_XR570C	XR570C	Supermarket Director	Email
Error Pb2	RS1-003	New_XR70CX	XR70CX	Assistance team	Email
Error Pb2	RS1-100	New_XW760L	XW760L	Supermarket Director	Email
Error Pb2	RS1-100	New_XW760L	XW760L	Assistance team	Email
Error Pb2	RS1-003	New_XR70CX	XR70CX	Supermarket Director	Email
Error Pb2	RS1-005	New_XR170C	XR170C	Supermarket Director	Email
Error Pb2	RS1-005	New_XR170C	XR170C	Assistance team	Email
Error Pb3	RS1-100	New_XW760L	XW760L	Supermarket Director	Email
Error Pb3		New_XR170C	XR170C	Assistance team	Email
Error Pb3	RS1-100	New_XW760L	XW760L	Assistance team	Email

- Full configuration

Ilters														
Unassociated Alarms														
© Full Configuration														
													Apply F	lter
		Filter Re	sults									C		
	Setting			SN	Accu	Rsnd	TTL	A1 A2	Pr	Xc	FAX OCR	EMAIL	EMAIL ATT	SMS
© Default	Setting	NS	NE	SN	Accu	Rsnd	TTL	A1 A2	Pr	Xc	FAX OCR	EMAIL BODY	EMAIL	SMS
	Setting	NS		SN	Accu 60		TTL 3600	A1 A3	Pr	Xc	FAX OCR	EMAIL BODY	EMAIL ATT	
CustomerServiceLevel	Setting	NS	NE					A1 A3	Pr	Xc	FAX OCR	EMAIL BODY	1	
©Default CastomerSenviceLevel ©SeriousAlarms CastomerSenviceLevel	Setting	NS	NE			600		A1 A3	Pr	Xc	FAX OCR	EMAIL BODY	1	

3.4.7 STOP/START ACQUISITION

The XWEB-EVO principally identifies two mutually exclusive statuses:

- Acquisitions stopped. This status allows for the configuration of the basic machine parameters. For example, it provides the user with the necessary access to configure parameters relative to the system or to the controller network configuration. This status does not allow for monitoring or supervision. Therefore, the controller alarms cannot be detected and notified.
- 2. Acquisitions active. This status enables the configured machine to establish constant communication with the instrument network and, consequently, allows for monitoring and supervision. Attention: this status must be enabled at the end of the machine's configuration by the installer.

The status of the acquisitions is displayed on the navigation bar, so it can be identified by the user on each XWEB-EVO page.



Access MENU→ACQUISITIONS→Start Acquisition to start the acquisitions



Access MENU→ACQUISITIONS → Stop Acquisition to stop the acquisitions.

Acquisitions may automatically start after maintenance, based on the configuration in MENU \rightarrow SYSTEM SETUP \rightarrow ACQUISITIONS.

3.4.8 SYSTEM VERSION/UPDATE

Access the menu "XWEB System Setup -> System Update" to access the update control panel. This window displays all updates already applied, and it is possible to check if there are further updates present. Depending on the system configuration, there will be three keys for installing new updates:

- Repository. For remote installation via internet connection. As configured in section "XWEB System Setup→System Setup→Updates".
- Usb. For local patch installation via USB key.
- Upload. For remote installation with uploading of update file from web-browser

3.4.9 REBOOT

Access the menu "XWEB System Setup→Reboot" to reboot the machine software. Rebooting is useful to qualified personnel only, such as the customer support team.

3.4.10 SHUTDOWN

Access the menu "XWEB System Setup→Shutdown" for machine shutdown. Shut down is useful to qualified personnel only. **!!Attention!!** This operation is not reversible, so when the machine has been switched off, it will not switch on again until the machine is powered or the switch-on button is pressed. We recommend disabling this operation for users accessing the system remotely. Rebooting is useful to qualified personnel only, such as the customer support team.

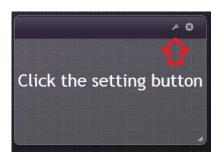
3.4.11 LAYOUT SETUP MODE (ONLY FOR MODELS 500D/500 AND 3000/5000)

Access the menu "XWEB System Setup→Layout Setup Mode" to create customised desktops with graphic widgets made available by the system.



The user populates the desktop with widgets via drag'n'drop from the palette accessed by pressing "Menu". The procedure requires the user to hold down the left key of the mouse over the desired widget, i.e. "image", and to then drag it onto the work area for positioning.

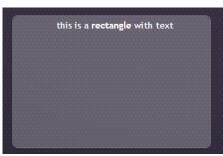
Once the widget is in place, proceed with dimensioning and configuration. The latter must always be performed by pressing the "wrench" key.



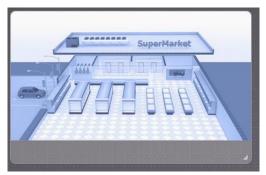
The page - different for each type of widget - which defines the subject parameters, opens when the wrench key is pressed.

The supported widgets are:

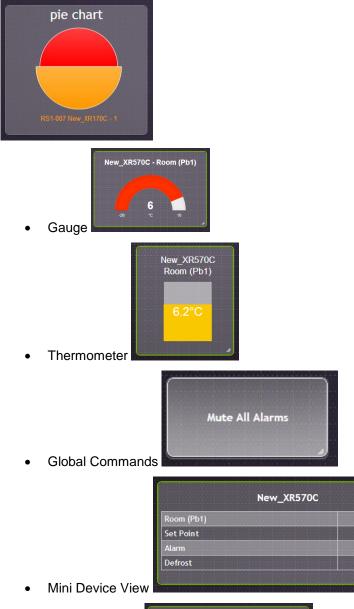
• Rectangle



• Image



Pie chart



- New_XR570C Room (Pb1) 6.2 °C
- Device Variable

OFF



• Digital Input

3.4.12 LISTS MANAGER

With this tool you can manage global lists for a rapid and efficient system configuration. To list literally means a list of variables and / or commands to be used in the various sections of the XWEB software. For example, a command list can be used in the scheduler directly setting the time of sending the command themselves.

Clicking on the icon of "lists manager" the following window opens

Lists Manager				
Generic Lists	HACCP Reports	Food Quality Reports	Global Commands	Charts

Each list shown is identified by an ID (unique number of the list used to identify it in case of telephone communication with aftersales Dixell) and a label that describes it.

ID		Label 🕈
113679	New List Luca	

Clicking the name of the list opens the window below that allows you to edit the details. Each of the detail window is specified in the rows below according to the type list.

3.4.12.1 GENERIC LISTS

The generic lists are lists of the base usable for the creation of other HACCP and CHARTS lists.

Generic Lists	HACCP Reports	Global Commands	Charts	
+ New Gene	ric List			
	A DEDUCTION OF A DEDU			
ID				Label

Select Variables		No orodp
New List Luca	- 🧲 selecti	
RS1-001 XR60CX Red (1 se	lected)	
Probe 1	Probe 2	Probe R
SetPoint	Defrost	Energy Saving
Keyboard	On On	EEPROM Failure
Error Pb2	🔲 High Value Pb1	High Value Pb2
- Low Value Ph2	- No Link	Chan Dear

The screenshot above shows the use of a generic list in the creation of HACCP list window.

Editing window de	etails:
Edit New List Luca	
679 New List Luca	
Label	New List Luca
Variables	7 variables selected
	Cancel Delete Edit

Here you can select only variables (no commands).

The tag selection dialog is also common in HACCP lists. Note that the user for selection of variables can make use of the 'full text' filter (1.) and shortcuts to uncheck all / select all / clone (2). The variables are presented to the user with different colors that identify the different types; in particular: Blue = Analog / setpoint; Green = status; Orange = alarm; White = digital inputs and outputs

elect Variables			
		1. 🔎	
RS1-001 XR60CX Red (1 selected)		<u>می</u> ا	
V Probe 1	Probe 2	Probe R	SetPoint R
SetPoint	Defrost	Energy Saving	Fast Freezing
Keyboard	🗖 On	EEPROM Failure	Error Pb1
Error Pb2	📑 High Value Pb1	High Value Pb2	Low Value Pb1
Low Value Pb2	No-Link	Open Door	Generic Digital Input
Cooling	Defrost	📕 Fan	
RS1-002 XR60CX Blue (1 selected			
V Probe 1	Probe 2	Probe R	SetPoint R
SetPoint	Defrost	Energy Saving	Fast Freezing
🔲 Keyboard	🗖 On	EEPROM Failure	Error Pb1
Error Pb2	📕 High Value Pb1	High Value Pb2	Low Value Pb1
Low Value Pb2	No-Link	Open Door	Generic Digital Input
Cooling	Defrost	🗖 Fan	
RS1-010 XR75CX 1 (1 selected)			
Probe 1	Probe 2	Probe 3	Probe R
📑 Set Point R	Set Point	Defrost	Energy Saving
Fast Freezing	On	Error Pb1	Error Pb2
Error Pb3	High Value Pb1	High Value Pb2	Low Value Pb1
Low Value Pb2	No-Link	🔲 Generic Digital Input	Compressor
🗖 Fan			

3.4.12.2 FOOD QUALITY REPORTS

The FQR list can be used with the HACCP PRINT button on the "Overview" desktop and / or by SCHEDULER as a "Printing Event".

The definition of a list for the Food Quality Report includes:

- a. Header: text that appears at the top of the report
- b. Footer. Text that appears at the bottom of the report
- c. Interval. You can select "Today / Yesterday"
- d. Temperature variable list.

er Edit FQR	
Label	FQR
D A Header	HEADERRRRRRRRRRRRRRRR
Footer	FOOTERRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR
Interval	Today
Devices	14 devices selected
	Cancel Delete Edit

Each temperature variable is accompanied by parameters of

- Setpoint
- Post-Defrost Time
- Low Error (as offset applied to setpoint value)
- Low Warning (as offset applied to setpoint value)
- High Warning (as offset applied to setpoint value)
- High Error (as offset applied to setpoint value)

Device	Probe		SetPoint		Post-Defr (Mini	rost Time	Low Error	Low Warning	High Warning	High Error
		Apply to a	All Apply to Selected	Apply to	(Mini 90	utes)	- 10 া	- 5 💌	+ 5 🐼	+ 10 💌
Brot									290 - 20	
RS1-004 ADDR 004	Room (Pb1)	•	Set Point	•	90	<u> 0 </u>	- 10 া	- 5 🔄	+ 5 🔹	+ 10 🔄
RS1-006 ADDR 006	Room (Pb1)	•	Set Point	•	90	(\$)	- 10 া	- 5 া	+ 5 🔹	+ 10 া
RS1-007 ADDR 007	Room (Pb1)	•	Set Point	•	90	(\$ 1	- 10 😒	- 5 া	+ 5 া	+ 10 া
RS1-008 ADDR 008	Room (Pb1)	•	Set Point	•	90	(m)	- 10 🚖	- 5 🔿	+ 5 🚖	+ 10 🚖
RS1-009 ADDR 009	Room (Pb1)	•	Set Point	•	90	•	- 10 া	- 5 🔤	+ 5 🔄	+ 10 🔄
RS1-010 ADDR 010	Room (Pb1)	•	Set Point	•	90	0	- 10 💌	- 5 💌	+ 5 া	+ 10 া
Gemuese										
RS1-001 ADDR 001	Probe 1	•	SetPoint	•	90	-	- 10 🔹	- 5 😒	+ 5 া	+ 10 🔃
RS1-002 ADDR 002	Room (Pb1)	•	Set Point		90	1	- 10 🔄	- 5 🔄	+ 5 া	+ 10 🔄
RS1-003 ADDR 003	Room (Pb1)	•	Set Point	•	90	÷	- 10 🚖	- 5 🖃	+ 5 🔄	+ 10 🖃
					Y			((

The resulting FQR report will have the following format:

Adr.	Name	Uom	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	Min
ZC RS1-041	DNE LT Frozen Food 1	°C	-24	-24	-25	-24	-24	-24	-24	-24	-24	-23	-23	-23	-23	-23	-24	-24	-24	-24	-23	-23	-23	æ	æ	-23	00:00 -20.8	06:10 -2
S1-042	Frozen Food 2	°C	-24	-24	-26	-25	-25	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24	-24	-24	-24	-24	-24	-24	144	-16	-24	22:30 -15.2	03:45 -2
S1-043	Frozen Food 3	°C	-24	-24	-26	-24	-24	-24	-23	-24	-24	-24	-23	-23	-23	-23	-24	-24	-24	-24	-23	-23	-23	÷	-24	-24	22:30 -18.2	03:45 -2
	ONENT	-																						~				
Z S1-010	Milk1	°C	-0.0	-0.9	1.4	0.4	0.9	0.6	rth:	:01	0.5	0.1	0.1	-0.1	0.3	0.1	193	\$	-0.1	-0.1	0.2	0.1	0.2	0.6	Ð	193	08:00 4.0	01:10 -4
S1-011	Milk 2	°C	1.2	1.2	1.1	1.9	1.9	1.1	ě	ě	0.6	0.1	0.6	0.2	1.0	0.6	ě	ě	0.8	0.8	0.6	0.5	0.5	1.0	÷	÷	08:25 4.0	22:05 -
S1-012	Milk 3	°C	-1.5	0.6	-0.3	-0.1	-0.6	\$	÷	-0.5	-0.4	-0.5	-0.3	-0.4	-0.2	\$	÷	-1.2	-0.5	-0.8	-0.6	-0.6	-0.4	\$	÷	-0.5	09:30 2.5	03:35 -4
S1-013	Milk 4	°C	0.6	0.8	-0.5	0.7	0.8	÷	÷	0.5	0.7	0.4	0.4	0.3	0.7	÷	÷	0.6	0.6	0.6	0.3	0.4	0.6	÷	÷	0.4	14:20 13.1	04:10 -3
S1-014	EVP	°C	\$	1.1	1.4	0.8	0.8	0.9	0.9	1.1	8	1.5	1.1	1.1	1.0	1.0	1.0	1.1	8	1.4	1.1	0.8	1.0	1.4	0.7	1.0	09:30 3.6	04:05 -
S1-015	Salat	°C	3.0	2.7	1.1	2.5	2.8	2.4	3.0	æ	2.8	3.0	2.5	2.8	2.7	3.1	2.8	æ	2.9	3.0	2.7	3.0	3.1	2.5	3.0	÷	08:55 6.2	05:30 -
S1-016	Pastry	°C	3.5	3.2	3.1	3.2	3.5	3.1	3.9	\$	3.4	3.1	3.7	3.2	2.8	3.5	3.4	\$	3.0	3.6	2.5	3.0	3.7	3.6	3.3	0	00:40 5.4	00:00
S1-017	Gastronomy 1	°C	5.0	5.0	3.5	5.0	5.0	5.0	æ	4.6	4.8	4.9	4.9	4.7	4.7	4.7	æ	4.7	4.7	4.7	4.8	5.0	4.9	4.9	÷	4.8	00:00 6.9	07:35 2
S1-018	Gastronomy 2	°C	2.8	3.0	1.1	3.4	3.3	3.2	\$	1.3	1.7	1.8	1.5	1.2	1.1	1.1	\$	1.1	1.4	1.4	1.9	1.9	1.9	1.8	1	2.2	03:45 5.7	12:35 -
RS1-020	Take Away 1	°C	æ	0.7	-0.3	0.7	-0.5	-0.5	1	æ	æ	0.0	-0.1	0.0	-0.3	-0.1	÷	۰	æ	0.1	-0.4	0.0	-0.3	0.1	*	÷	11:50 2.2	00:00 -4
RS1-021	Take Away 2	°C	\$	-0.3	0.5	-0.0	-0.8	-0.2	\$	\$	\$	-0.4	-0.1	0.1	0.1	-0.3	\$	\$	*	0.1	-0.1	-0.2	-0.1	-0.4	*	*	12:35 2.2	00:40 -4
RS1-024	Meat	°C	æ	1.0	0.6	0.8	1.2	1.2	1.1	60	æ	1.5	1.5	1.4	1.6	1.4	1.2	60	÷.	1.7	1.4	1.6	1.6	1.2	1.1	6	09:35 3.2	05:40 -1
RS1-025	Meat T. Away 1	°C	-1.2	-0.8	\$	\$	-1.1	-0.5	-1.5	-1.0	\$	\$	-1.5	-0.7	-1.3	-1.8	\$	\$	-1.1	-1.6	-1.8	-1.1	-1.2	\$	*	-1.4	09:40 0.7	23:50 -6
RS1-026	Meat T. Away 2	°C	-3.0	-2.0	÷	÷	-2.5	-2.5	-1.4	-3.9	÷	0.5	-3.4	-1.3	-2.5	-1.1	÷	-0.9	-2.1	-1.9	-0.4	-3.3	-3.8	÷	÷	-2.3	09:40 0.2	00:00 -7
RS1-060	Meat 2	°C	\$	1.9	0.8	1.4	1.5	1.1	1.6	1.1	\$	1.5	1.4	1.4	1.4	1.7	1.5	1.1	8	1.6	1.3	1.6	1.7	1.0	1.3	1.5	01:05 3.2	00:00 -0
CELLS	s																											
RS1-027	Fish Cell	°C	*	1.0	\$	1.2	1.0	1.1	1.2	1.6	æ	\$	1.3	1.2	1.3	1.3	0.8	¢	\$	1.1	1.2	1.6	1.0	1.1	1.2	\$	07:45 5.6	17:20 -
RS1-028	Vegetables Cell	°C		\$	7.9	6.9	7.3	6.8	7.3	6.8	7.0	\$	\$	14	8.1	6.9	7.0	7.0		۰	7.1	6.4	7.0	7.5	7.0	6.9	11:55 15.7	08:25 5
RS1-029	Poultry Cell	°C	0.6	0.1	-0.3	0.6	0.6	0.7	\$	1.5	1.1	1.2	1.6	1.5	0.9	\$	\$	0.3	0.8	1.0	1.3	1.0	1.0	0		0.6	06:20 11.1	00:45 -
RS1-030	Meat Cell	°C	0.8	1.2	0.6	0.7	1.0	\$	2.6	1.3	0.5	1.1	0.9	\$	2.4	1.1	0.7	1.0	0.8	\$	2.6	5.9	0.5	1.3	0.9	۲	12:10 12.7	14:10 -
RS1-031	Frozen Food Cell	°C	-20	-20	-21	-20	-20	-19	-16	-19	\$	-20	-20	-17	-20	-20	-1.8	1	-18	-19	-19	-19	-20	-20	-21	3	14:35 8.8	03:25 -2
RACK	(S																											
RS1-050	RACK NT	°C	-16	-14	-15	-14	-15	-16	-14	-15	-15	-14	-15	-14	-15	-16	-14	-16	-14	-14	-15	-15	-16	-15	-15	-15	18:25 -8.0	15:20 -1
RS1-051	RACK LT	°C	-31	-30	-34	-32	-33	-32	-30	-31	-32	-30	-30	-30	-30	-30	-30	-31	-32	-31	-30	-30	-29	-34	-32	-30	22:30 -19.4	06:35 -4

The report consists of a table in which, for each device, temperatures of the day are listed. Cells containing temperature values can assume different colors when the temperature value is higher / lower than the setpoint value by considering the error or alarm thresholds. The temperature values are omitted in case of defrost and / or missing data.

For each device, the minimum and maximum temperature values are indicated, and the moment when this is detected.

3.4.12.3 HACCP REPORTS

Manager				
eneric Lists	HACCP Reports	Global Commands	Charts	
+ New HACC	P Report			
ID				Label 🔶
d32463	BIG EXTENDED			
012c4c	BIG SNAPSHOT			
7c47ed	BIG STANDARD			
c43ad2	CSV Today ext			
d5148f	Daily Report			
2667Ь0	EXTENDED			
3a8dfa	L24 Probes			
5a78b1	Nuova Lista			

The HACCP list can be used in all contexts of XWEB where you must specify a variable list, a time range and size. For example (the list may not be comprehensive)

a. homepage HACCP button (desktop overview); b. scheduler (printing and export events)

Edit BIG EXTENDED	
Label	BIG EXTENDED
Interval	Last 24 Hours
Format	Extended 🗸
Sampling	15
Header	
Footer	
Variables	307 variables selected
	Cancel Delete Edit

Here you can select only variables (no commands).

3.4.12.4 GLOBAL COMMANDS

GLOBAL COMMANDS The list can be used in all contexts of XWEB where you must specify a command list. For example (the list may not be comprehensive)

to. homepage button GLOBAL COMMANDS (desktop overview); b. scheduler (command event)

Edit Energy Saving ON	
Label Energy Saving ON Ceneral Marm More	Energy Saving ON
Mute AUX 2	
Mute AUX 3	
Commands	2 commands selected
	Cancel Delete Edit

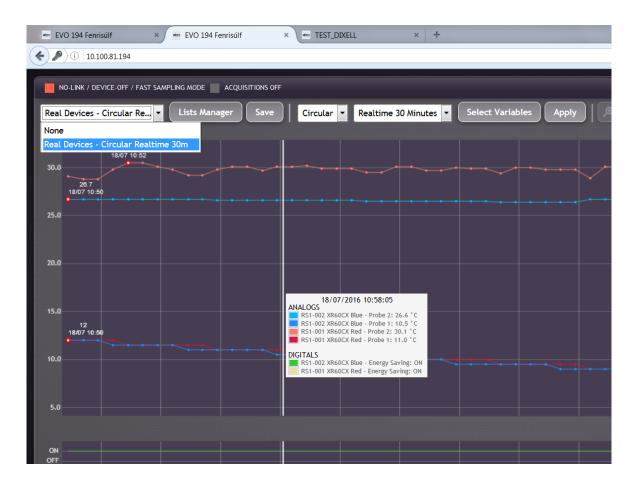
ev EVO 194 Fenrisülf × evO 194 Fenrisülf	× TEST_DDXELL	× +				- ō ×
() 10.100.81.194				C Q Search	合自て	• + + ⊕ ≡
Scheduler						
Default Day 🔹 Status: 🕚 Er	able Setting: Enabled				Save Show I	.ogs 🗘 Settings
+ System Event + Command Event + Pri	nting Event + Export E	ivent				
XWEB System Events	Printing Event					
	Name C	SV Today		Lists Manager		
CSV Today ext 👿	Time	17:11	HACCP Reports	CSV Today ext 🔹		
			Print			
	Mark	Circle	FAX	-		
	Color		EMail	2		
	Enabled	12	Export Attachment	Text		
	Modify Event for All Days	2				
			Receiver	1 Receiver		
				Cancel Delete Edit		
0.00 1:00 2:06 3:06 4:00 5:00		9:00 10:00 11:0		15:00 16:00 17:00 18:00		
				15.00 16.00 17.00 18.00		22'00 23'00 24'00
Time: 11:22 Date: 18/07/2016	◢▦ॾॾਲ਼				Release: 4067/5	Desktop 🛛 🚍 Menu

3.4.12.5 CHARTS

Edit Real Devices - Circular Realtir	ne 30m
Label	Real Devices - Circular Realtime 30m
	me 30m
Source	Circular
Interval	Realtime 30 Minutes
Variables	
variables	6 variables selected
	Cancel Delete Edit

elect Variables			
None	•	R	
RS1-001 XR60CX Red (3 select	ed)		-+34
🗹 📃 🔻 Probe 1	🛛 📃 🔻 Probe 2	Probe R	SetPoint R
SetPoint	🗖 📃 🔻 Defrost	Energy Saving	Fast Freezing
Keyboardtest Devid	tes - C 🗖 🚺 🚺 On e 30m	EEPROM Failure	Error Pb1
Error Pb2	🔲 🔽 🔻 High Value Pb1	🔲 🔲 🔻 High Value Pb2 🔤	Low Value Pb1
Low Value Pb2	🗌 📃 🔻 No-Link Devices - Circu	🔄 📄 🔽 Open Door 📰	Generic Digital Input
Cooling	🗖 📃 🔽 Defrost	Fan	
RS1-002 XR60CX Blue (3 select	ted)		-+CQ
☑ 🔽 ▼ Probe 1	Probe 2	Probe R	SetPoint R
SetPoint	Defrost	Energy Saving	▼ Fast Freezing
Keyboard	🗆 🔲 🗴 On	EEPROM Failure	Error Pb1
Error Pb2	🔲 🔽 🗸 High Value Pb1	High Value Pb2	Low Value Pb1
Low Value Pb2	🔲 📃 🔻 No-Link	🔲 🔽 Open Door 📰	Generic Digital Input
Cooling	🗖 📃 🔻 Defrost	Fan Fan	
RS1-010 XR75CX 1			
RS1-011 XR75CX 2			
RS1-012 XR75CX 3			0.00
			Cancel
			Contract

The CHARTS lists are used only in the context of the graph



3.5 MENU TOOLS

The XWEB-EVO allows for the use of different tools for device programmatic management. To access these tool pages, open MENU and select TOOLS as demonstrated below.



Many of the functions in this menu require the use of a virtual machine JAVA. Refer to the last pages of this manual for certificate management ("Error! Reference source not found. Error! Reference source not found.").

3.5.1 SCHEDULER (ONLY FOR XWEB500D/500/3000/5000 MODELS)



With this powerful tool, it is possible to quickly and efficiently manage the sending of repetitive commands to the tools. Commands are, for example, the sending of commands to switch on or to switch off lights or to schedule periodical defrosting. The graphic display aids the management of the single commands. To run the "Scheduler" access the menu "TOOLS" and then press "Scheduler". The following window will appear:

fault Day 🔹 Status: 🥚	Enable Setting: Enabled												Save	Show	w Logs	Set!
• System Event + Command Event + P	rinting Event + Expe	ort Event														
				Def	ault D											
XWEB System Events						•										
CSV Today ext 🔽		Vive				Im Alive				ľm	Alive					
										CSV Tod	ay					
					PRI											
1:00 2:00 3:00 4:00 5:00	6:00 7:00 8:	00:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
Logout Time: 11:33 Date: 18/07/2016															Desktop	~

The complete daily range (from 00:00 to 24:00) is shown at the base of the window. Each hour is marked with a vertical placeholder.

3.5.1.1 SETTING SAVING

Access the menu item Save to save the configuration. Attention, once you save it is no longer possible to recover a previous version.

3.5.1.2 PRINT SCHEDULER CONFIGURATION

Access the menu item Settings→Print to launch printing in local on your web-browser. For example:

	0 × Dblob:http%3A//10.10 × blob:http%3A//10.100.81.208/955f3a8						· · · · · · · · · · · · · · · · · · ·
Stampa		10/42015	blob:http1	3A/10.100.81.208/955/3a	88-00ea-4d8b-981a-7e971fe	iecca	
Totale: 1 foglio	Stampa Annulis	XWEB System Events 🔽 😁					
Destinazione	() //blu-snv-prt/8LU-PRT	CABINETS: lights and curtains 🔺 🔻 🔸					
	Modifica	DAIRY CABINETS: lights and our 🔺 🔽 🗉					
Pagine	Tutti ad es. 1-5, 8, 11-13	DEFROST: addr 10-16 A Y -					
Copie	1 -	DEFROST: w/w/20-26	Defeet				
Layout	Orizzontale •						
A colori	A colori						
Opzioni	Fronte retro						
+ Altre impo	ostazioni						
Stampa utilizza sistema (Ctrl+	ndo la finestra di dialogo di Shift+P)						
		00 100 200 300 400 500					10.00 2
							_
		blob.http%34i10.100.81.20895553a88-00ea-4d8b-981a-7e971fe5ecc					<u>।</u>

3.5.1.3 SCHEDULER CONFIGURATION EXPORT

Access the menu item Settings→Export to file to export the Scheduler configuration in a TXT file. When selecting this menu, you will be asked to indicate the path and name of the file to be saved. We recommend saving the file with .txt extension (e.g. "scheduler_xweb.txt").



3.5.1.4 SCHEDULER ENABLING

For the unconditional enabling of the scheduler, access the menu Settings→Enable Settings.

2	Settings				*****	
	General	Classes	Days	Calendar	System Events	
-	Actions					
	Print	Export]			
	Enable Se	etting				
	Disable	ed				
	Enable					
		Scheduler vi				
	Enable	Scheduler vi	ia DI 1 Clo	sed		
000						

To completely disable the scheduler, access the menu File and untick any item enabling the same scheduler.

Scheduler		
Default Day	Status: 🌑 Enable Setting: Disabled	
XWEB System Events V +	Oper	Keep Alive Message

The scheduler may also be enabled and disabled from a digital input. The enabling/disabling logic is set by ticking one of the items of "Enable Scheduler via DI X Y" where X can be 1 or 2 and Y can be Open/Close.

3.5.1.5 MODIFY EVENTS

Click on the event

 05:02

 this is a system event

 Once the event is selected, click and open the configuration. You can select entry

 Delete

 3.5.1.6 CREATION/SETTING OF SYSTEM MESSAGE EVENTS

 XWEB System Events I

The system events live

To send system messages, click on (+) button. **Connected** solely to class "XWEB System Events", which cannot be removed.

Event		
Name	this is a system event	
Time	05:02	Scheduler
Mark	Circle 🔻	
Color		Default Day Status: Day Enable Setting: Enable
Enabled	۵	
Add to All Days	•	XWEB System Events 🔽 🛨
	Cancel Add	this is a system event

The system events are issued to the recipients and media configured in Settings→System Events



3.5.1.7 CREATION/SETTING OF COMMAND EVENTS TO DEVICES

Command Event				
Name				Lists Manager
Time	11:55		Global Commands	list defrost
Mark	Circle	-		
Color				
Enabled	7			
Add to All Days	•			
				Cancel Add

The events are described on the command scheduler with the name, and the mark. The commands to be sent will be selected by a "global commands" list. The list may include commands to any instrument and may be of different commands between instruments.

Printing Event			
Name	Pro Ma		Lists Manager
Time	11:54	HACCP Reports	BIG EXTENDED
Mark	Circle	Print	
		FAX	•
Color		EMail	
Enabled		Receiver	
Add to All Days			
			Cancel

3.5.1.8 CREATION/SETTING OF REPORT EVENTS

HACCP events are described on the scheduler with the name, and the mark. The variables referred HACCP report will be selected from a list "HACCP list"

Edit BIG EXTENDED	
e Label	BIG EXTENDED
, Interval	Last 24 Hours
Format	Extended 🗸
c ; Sampling	15
Sampling Header	
3 Footer	
Variables	79 variables selected
	Cancel Delete Edit

The event reports are normally used as HACCP automatic reports. Each event corresponds to the creation of a report and to its sending through means of one of the system configured media (printer, fax, email).

The report is created starting with the selected variables; select them one at a time or use the quick selection filter (Fast Selection).

Event			
Name	my Event	Туре	Printing Event
Time	14:00	Variables	Select Variables
Mark	Romboid	Printout Name	printout name
Color		Print Labels	_{Open}
Enabled	2	Source	Archive •
Add to All Days	-	Back Int. (h)	24
Defest		Interval (min)	15
		Extended	2
		Headers	this <u>is my</u> report!
		Footer Text	
		EMail	2
		Export Attachment	CSV
		Receiver	Select Receivers
			Cancel

Activation Time: time the report is created.

Marker colour: marker colour of the event on the scheduler (only for printer / Add Event to All Days: assignment of the event to all days created in the calendar. Printout Name: name of report used in the header (only for real time report/print). There are two types of created report: real time or archive. The first takes a "photo" of the situation regarding the tools at a certain time. As illustrated in the image below.

	H.A.C.C.P. printout - Messag	ge (HTML)			100	o 🖌 X
Fie Message						۵
Ignore 🗙 🤤 🥥 🕞 Meet Junk - Delete Reply Reply Forward 🍕 More		Move a A	ules * Categorize ctions * Follow Up	Translate	M Find Related = Select =	-
Delete Respond	Quick Steps	G Move	Tags	5 B	diting Zoo	a
If there are problems with how this message is displant m: Xweb 500 EVO <example@domain.com> Picella, Luca [CLBATE/EUR/BLU] pject: H.A.C.C.P. printout</example@domain.com>					Sent: venerdi 10/0	4/2015 14
	HACCPr	rinto	t			
	H.A.C.C.P. p	лти	Jui			
Vweb 500 EVO - V	WEB 500 EVO prin	tout not	ne			
	1	tout nai	ne			
date: 10.04.15 time:	14:22					
RS1-003 New_XR170C						
Room (Pb1)	0.0°C					
Evaporator (Pb2	0.0°C					
Set Point	0.0°C					
RS1-002 New XR170C						
Room (Pb1)	-10.8°C					
Evaporator (Pb2	-7.0°C					
Set Point	-25.0°C					
out rom						
Gerrom						
our rount						
COLT ON A						
out rom						

The second takes a "photo" of the situation regarding the tools from the time of the event and up to 48 hours prior its occurrence. We can have two types of representation:

- Not-extended:

Delete	All		Quick St			5	Actions *	Unread	י Up		Select			
	Respond		QUICK St	eps		Dir I	Move		Tags	Da E	diting	Zoom		
om: Xweb	500 EVO <example@domain.com></example@domain.com>													
	,													
	.C.P. printout reb_500_EVO-000AF6806A8C-2015042114													
Message 🔍 XV	Veb_500_EVO-000AF6806A8C-2015042114	13300.csv (.	🖌 🤊 -	(°4 ≁ ∓				Xwe	b_500_EVO-0	00AF6806A80	2-2015042	1143300.csv [Rea	ad-Only] - Microsoft	Excel
			File H	ome I	nsert Pag	e Layout	Formulas D	ata Rev	iew View	Developer				
Export from	n main archive (CSV)		۵ <u>ж</u> ъ	#	**			Connections		W K	Clear			100
Export non	i mani arenive (CSV)		A 💽					Properties		1	Reapply	◆ →	i	12
		En	om From	From	From Other	Existing	Refresh		Z↓ Sort	Eiltor		Text to Remove	Data Consolida	
		Acc	ess Web	Text	Sources *	Connections		Edit Links			Advanced	Columns Duplicate		Analysis *
				Get Exte	rnal Data		Conne	ctions		Sort & Filter			Data Tools	
			A24		▼ (°	f_{x}								
				А			В		С	D		E	F	G
		1	HEADER											
		2												
		3	date: 04	.21.15	time: 14.3	3 Sampli	ng: 04.00							
		4												
		5	Legend:	'=defro	st, !=post	defrost, S	0=System 0	FF, #=un	it OFF, X=o	ffline, §=do	or open			
		6												
		7				RS1-002	New_XR1700					3 New_XR170C		
		8				Room (Pb	o1) °C		ator (Pb2 °C	Set Point °C	C Room (Pb1) °C	Evaporator (Pb2 °C	C Set Point
		9			2015 14:28			§-7,00		§-25,00	#		#	#
		10			2015 18:28			§-7,00		§-25,00	#		#	#
		11			2015 22:28			§-7,00		§-25,00	#		#	#
		12			2015 02:28			§-7,00		§-25,00	#		#	#
		13			2015 06:28			§-7,00		§-25,00	#		#	#
		14			2015 10:28			§-7,00		§-25,00	#		#	#
		15		21/04/:	2015 14:28	SO		SO						
		16												
		17	FOOTER											
		18												

- Extended: refers to the representation of data with one column per variable. When reading the data in the column, refer to the number in the header list which identifies the variable.

Lignore Lignore	A nova	Podes * Al OneNote Actions * Move	* Follow Up - Ta Follow C C Editing	ted - Zoom								
rom: Xweb 300 EVO <example@domain.com> 0:</example@domain.com>										Sent: martei	fi 21,04/201	.5 14:56
Message %Xweb_500_EVO-000AF6806A8C-20150421145600.csv (4 K8)	2			Book1 - Mici	osoft Excel						0	
	File Home Insert P	age Layout Formulas Data F	Réview View Developer									
Export from main archive (CSV)	Fram Fram Fram Data	r Existing Connections Refresh All • = Edit Links Connections	6 ZI Sort Eller	- Reapphy	ext to Remove slumns Duplicates Vi	Data Consol didation *	idate What-If Analysis	Group Un	group Subtoti			a Analys
	C16 * (*	fx =										
	A 1 HEADER 2 3 date: 04.21.15 time: 14	B Sempling: 00.15	С	D	E F	G	н		1	K	t:	M
	4	st defrost, SO=System OFF, #=	unit OFF,X=offlin <mark>e</mark> ,§=4	loor open								
	7		C RS1-003 New_XR1700									
	8 20/04/2	Room (Pb1) *C 015 14:51 §-10.80	Room (Pb1) *C									
		015 14:51 9-10,80	-									
		015 15:21 §-10,80	#									
		015 15:36 5-10,80	#									
		015 15:51 §-10,80										
		015 16:06 §-10,80	#									
		015 16:21 §-10,80	11									
		015 16:36 §-10,80	#									
		015 16:51 §-10,80										
	18 20/04/2 H () H Sheet1 Sheet2	015 17:06 §-10,80									-	
	Ready	CONTRACTOR CONTRACTOR				10.00					0	- 4

"Print copies" to print on local printer, configured on xweb.

FAX for sending the report via fax configured on xweb.

Email for forwarding via email, with report in email or as attachment.

3.5.1.9 CREATING/SETTING OF EVENTS GENERATING HISTORICAL DATA EXCEL FILES

The XWEB-EVO is able to create historical data excel files. There is a 48 hour limit from when the event first occurred.

Export Event				
aliasistata) (ditusat			Lists Manager	
Name				
Time	11:44	HACCP Reports	None	-
Mark	Circle	Server Address		
Color		Server Port	22	
Enabled	 ✓	Server Protocol	SFTP	-
Add to All Days		Server Path		1
		Branch Code		
		User		
		Password		1
		Retry	0	•
			Cancel	Add
			and the second se	

Select the class on which to connect to the event.

Select the variables for the report.

Set the server parameters on which to create the Excel file containing the report data: The protocols available are: FTP/SFTP/SCP. A password is required to connect to the server receiving the Excel files. For the correct "server", "port" settings, etc., we recommend seeking support from your network administrator. The Server-Address must be a valid IP. The Server-Path must be a valid path, alphanumeric, delimited with "/" (e.g.: "myPath/mySubPath"). The path on which to create the file must exist. If the path does not exist, XWEB will attempt to create it, but the directory creation command must be enabled on the receiving Server-Address for the selected protocol. The Branch-Code must be an alphanumeric string.

Once configured, the Excel files will be created as: <PATH>/<BRANCH>-<datetime>.XLS as per screenshot below.



The format of the files is as demonstrated below, where each Excel worksheet is dedicated to a single device.

	A	В	С	D	E	F	G	Н	I.	K	R	S	V	W	Х
1	Date-Time	Room (Pb1)	Evaporator (Pb2	Set Point	On	Defrost	Keyboard	Energy Saving	Low Value Pb1	Error Pb1	No Link	Defrost	Cooling	Door Switch	Generic Alarm
2	28/11/2011 10:44	-6,70	-25,50	2,00	ACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	ACTIVE	DEACTIVE
3	28/11/2011 10:59	-6,70	-25,50	2,00	ACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	ACTIVE	DEACTIVE
4	28/11/2011 11:15	-6,70	-25,50	2,00	ACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	ACTIVE	DEACTIVE
5	28/11/2011 11:30	-6,70	-25,50	2,00	ACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	ACTIVE	DEACTIVE
6	28/11/2011 11:45	-6,70	-25,50	2,00	ACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	ACTIVE	DEACTIVE
7	28/11/2011 12:00	-6,70	-25,50	2,00	ACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	ACTIVE	DEACTIVE
8	28/11/2011 12:15	-6,70	-25,50	2,00	ACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	ACTIVE	DEACTIVE
9	28/11/2011 12:30	-6,70	-25,50	2,00	ACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	ACTIVE	DEACTIVE
10	28/11/2011 12:45	-6,70	-25,50	2,00	ACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	ACTIVE	DEACTIVE
11	28/11/2011 13:00	-6,70	-25,50	2,00	ACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	ACTIVE	DEACTIVE
12	28/11/2011 13:15	-6,70	-25,50	2,00	ACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	ACTIVE	DEACTIVE
13	28/11/2011 13:30	-6,70	-25,50	2,00	ACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	ACTIVE	DEACTIVE
14	28/11/2011 13:45	-6,70	-25,50	2,00	ACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	DEACTIVE	ACTIVE	DEACTIVE
15															
N)1 fakeDe	viceName	002 N	ew X	R570C	/ 004 N	ew XR70CX	(/ 005 N	New XR17	70C	007 Nev	v XR1700	c / 🎘 /	
-			<u></u>								A				

3.5.1.10 USING THE CALENDAR IN SCHEDULER

By default, for all calendar days, the system uses the "type of day" (Default Day). When configuring the scheduler for the first time, this day is that proposed by the system for configuration.



To create a new type of day click on Settings \rightarrow Days



Other types of days can be created and then associated on the calendar. The scheduler will then perform the associated events, for the associated days.



For example, you may have configured special events for the weekend and your calendar may appear as illustrated below, with the (type of) weekend day associated for public holidays.



To create a new (type of) day, access the menu "Edit Days → New day definition". The system requests the configuration of the following image window parameters

It is necessary to indicate the name of the (type of) day, e.g. "weekend", and give it a colour for recognition. The colour will be important for visual recognition on the calendar.

The "Enabled" parameter indicates whether the events configured on the day are active. The "Yearly" parameter indicates whether the day is to be associated - to all years - for operations of association to calendar. Attention: once the day has been created, the "Yearly" parameter can no longer be modified.

To modify the existing day types, select the day to be modified from the menu Days → and then access the menu "Edit Days → Modify Current Day...". To delete the current day, access the menu "Edit Days → Delete Day".

To associate the days on the calendar, access the menu "Edit Days \rightarrow Calendar Association". To associate the days, click on the day and select the (type of) day desired. It is also possible to associate the (type of) day on week days by clicking the name in the red band, e.g. apply the day "weekend" to all Sundays.

To configure the previously created (type of) day, access the menu Days and select the day.

Note that the classes are common to all types of day. But that each day defines its specific events.

3.5.1.11 SHOW LOGS

Access the menu "Show Logs" to show logs of the scheduler

		Show Logs	
		Date 🗢 🛛 Info	
		2015-04-10T13:03:05.0CExport on XLS success. upload now (user)	
		2015-04-10T13:03:05.0C Upload error (10.100.81.111)	
		2015-04-10T13:00:03.00 Make EMAIL-BODY service (*	
		2015-04-10T10:53:06.0C Export on XLS success. upload now (user)	
Show Logs		2015-04-10T10:53:06.00 Upload error (10.100.81.111)	
SHOW LOES		2015-04-10T10:50:02.0C Make EMAIL-BODY service (http://www.com.com)	
		2015-04-10T10:30:12.00 Upload error (10.100.81.111)	
From	03/03/2015 00:00	2015-04-10T10:30:11.0CExport on XLS success. upload now (user)	
То	21/04/2015 16:30		
Class	All		
Log Type	All		
		re ke Page 1 of 1 per pr	
	Cancel Show Logs		Close

Access the menu "Windows→Show Calendar" to show the calendar.

Access the menu "Windows→Show Logs" to show the scheduler logs, for the list of sent commands and other actions performed.

Access the menu "Windows→Show Commands/Printing/System Events/Export Events" to show/hide events for the current day.

3.5.2 DEVICE LINE TEST

Click on menu "TOOLS→Devices Line Test" to access the test page of the communication with the setup devices.

Device	Success(%) 🗢	Time Out(%)	Exception(%)	Crc error(%)	Overrun(%)	Unknown respons(%)
RS1-100 New_XC1015D	0.00	100.00	0.00	0.00	0.00	0.00
RS1-110 New_XH55P	0.00	100.00	0.00	0.00	0.00	0.00
RS1-200 New_ICHILL	0.00	100.00	0.00	0.00	0.00	0.00
RS1-5 New_XR170C	95.83	0.00	4.17	0.00	0.00	0.00
RS1-7 New_XR170C	95.83	0.00	4.17	0.00	0.00	0.00
251_2 ∢	96.00	0.00	4 00 III	0.00	0.00	0.00
vice to be tested	Test cydes					

Access to the window shows the statistics table on the communication with the configured tools. Each device has been represented in columns:

- Device: device name
- Success(%): successful communication total percentage
- Time Out(%): errors for Time Out percentage. This type of error occurs in cases in which the device is switched off or not reachable
- Exception(%): errors for exception percentage. This type of error occurs when the device is reachable, but there are inconsistencies between the configuration of its parameters and that shown on the XWEB-EVO
- Crc-Error(%): CRC error percentage. This type of error occurs when the device can be reached, but there are problems on the line such as interferences.
- Overrun(%): percentage errors for packages in transit but not expected. This type of error occurs when the device can be reached, but there are problems on the line such as interferences.
- Unknown(%): percentage of others detected, different from those reported in previous rows. Example: equality or other errors.

The table enables sorting by column. It is advisable to press "Success(%)" to easily identify the addresses of the most problematic devices.

The table does not automatically refresh but it can be manually updated by pressing "Reload media". The statistics can be reset with the keys "Selected" and "All".

Identification of device configuration errors:

Should a tool show exception errors, it is possible to ask the system to run a new specific test for the tool, so that it detects the most problematic sizes. The following example demonstrates the identification of a tool with a certain percentage of exceptions, but no other type of communication error:

Device	Success(%)	Time Out(%)	Exception(%)	Crc error(%)	Overrun(%)	Unknown respons(%)
RST-3 New_XR/UCX	100.00	0.00	0.00	0.00	0.00	0.00
RS1-5 New_XR170C	95.83	0.00	4.17	0.00	0.00	0.00

It is selected to execute the test. The "test cycle" value identifies the number of readings that will be carried out for each device resource.

Device to be tested	Test cydes			
RS1-005 New_XR170C	▼ 10	-	*	Start test

After having pressed "Start test", the configured variable that does not respond is displayed, i.e. Pb3 which is not enabled by the tool parameters.

			Test result			
Total transactions	Success	Time Out	Exception	Crc error	Overrun	Unknown respo
110	100	0	10	0	0	0
			Results in detail			
Variable	Success 🗢	Time Out	Exception	Crc error	Overrun	Unknown respons
Error Pb3	0	0	10	0	0	0
Defrost	10	0	0	0	0	0
Set Point	10	0	0	0	0	0
Door Switch	10	0	0	0	0	0
Generic Alarm	10	0	0	0	0	0
Defrost	10	0	0	0	0	0

3.5.3 COMPRESSOR RACK OPTIMISER (C.R.O., ONLY 500/5000 MODELS)

C.R.O. works with a proprietary algorithm developed by Dixell that combines the complexity of the cooling system with the simplicity of the parameters that the user must set at a program level. It works on two basic parameters to guarantee the best possible adjustment of the refrigerator: the suction pressure of the compressor plant (detected by a series XC1000D ver.1.1 or higher controller) and the more critical utility from a "consumption of cold" point of view.

Depending on the model of your XWEB-EVO, the function may have a different number of CRO engines. The following types of parameters are common for all. A window such as that illustrated below appears when the CRO menu is opened for the first time.

Aodule 1 - STOPPED		
Execution Interval (min)	Back Analysis Interval (min)	
Devices	Compressor	
Worst Case Set	Dead Band	
Post-Defrost Timeout	Initial Set Value	
Min Set Value	Max Set Value	
Release Gain	Call Gain	
Simulation Mode	Cycling Mode	
Module 2 - STOPPED		
Nodale E STOTTES		
	Back Analysis Interval (min)	
Execution Interval (min)	Back Analysis Interval (min) Compressor	
Execution Interval (min) Devices		
Execution Interval (min) Devices Worst Case Set	Compressor	
Execution Interval (min) Devices Worst Case Set Post-Defrost Timeout	Compressor Dead Band	
Execution Interval (min) Devices Warst Case Set Post-Defrost Timeout Min Set Value	Compressor Desd Band Initial Set Value	
Execution Interval (min) Dervices Verst Case Set Post-Defrost Timeout Min Set Value Release Gain	Compressor Dead Band Initial Set Value Max Set Value	
Execution Interval (min) Devices Worst Case Set Post-Defrost Timeout Min Set Value Release Gain Simulation Mode	Compressor Dead Band Initial Set Value Max Set Value Call Gain	
Execution Interval (min) Dervices Verst Case Set Post-Defrost Timeout Min Set Value Release Gain	Compressor Dead Band Initial Set Value Max Set Value Call Gain	

- Configuration Utilities

In order to use the C.R.O. you have to create a new class of users. Since these controllers will extract the data necessary for the operation of the project.

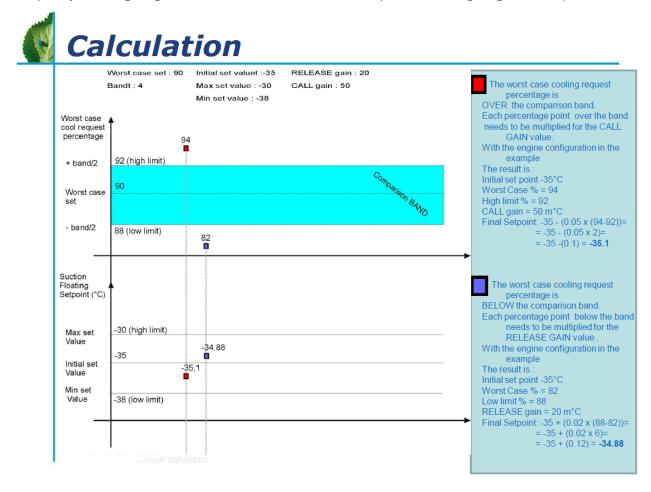
The module C.R.O. to better manage the cooling power availability changes over time, the central set-point compressors (typically, for the utilities at normal temperature).

	Parameters		
	Devices	2 devices selected	
	Execution Interval (min)	240	
	Back Analysis Interval (min)	60	
	back Analysis interval (min)	50 V	
	Compressor	R51-090 New_XC1011D	
	Setpoint	SupVisSetSUC1	
-			
	Worst Case Set (%Cool)	90	
	Dead Band (%)	4	
	Initial Set Value	-35	
	Initial Set Value	-35	
	Min Set Value	-38	
	Max Set Value	-30	
	Release Gain	20	
	Call Gain	50	
	Call Gain	50	
	Post-Defrost Timeout	5	
	Simulation Mode	Acquire Data Only	
	Cycling Mode	Constant and	
	Cycung Mode	Cheeder Stander	
		antitat fan Walan	_
		Cancel Edit	•
			-

- Execution interval: indicates how often a new set-point is sent to the plant (in minutes).
- **Analysis interval**: indicates for how many minutes, in reverse, the data is to be analysed (operation of class utilities; in minutes).
- **Reference class:** is the set of controllers affected by the calculation of the worst possible case.
- Device: is the plant controller affected by the modification of the set-point.
- Set-Point: allows you to select which set-point to use: typically, that of the plant suction section.
- Worst case threshold: allows for the defining of the intervention threshold for the C.R.P. algorithm (in %)

- **Neutral zone**: specifies an oscillation band (centred on the percentage of the worst possible case) inside which the algorithm does not intervene.
- **Initial value**: initial set-point value. The value can be an estimate: in time, the set-point value sent to the plant will change -according to the algorithm (typically in °C).
- *Min. and Max. Set-points*: safety limit values associated with the minimum and maximum suction pressure: to prevent C.R.O. from excessively increasing or lowering the pressure to avoid the safety devices from triggering. (typically in °C). It is good for the minimum value to be as high as possible in order to optimise energy consumption.
- **Release and Call Gain**: the call and release gain are two parameters that decide by how much the current set-point must be increased/decreased. The call-gain parameter is used should the set-point need to be decreased. It is useful to set a higher call-gain value than the release-gain in order to quickly decrease the temperature (typically in m°C/%).
- **Post Defrost Time out:** the duration after a defrosting event that is ignored in calculating the percentage (in minutes).
- **Simulation Mode:** The enabling of simulation mode does not send the set-point values calculated by the algorithm
- **Cycling Mode:** The enabling of cycling mode, combined with cycle time (in hours) continuously enables and disables the algorithm. This mode is useful for checking the quality, when applied to the system. Usually, cycle times of no more than three days are set. When the algorithm is disabled, a reset command is sent to the plant for its repositioning to its initial state.

Typically, the units of measure of the plant are expressed in °C, however, C.R.O. adapts to the plant's unit of measure. However, should the unit of measure be modified in the next phase, it will be necessary to reconfigure the CRO starting with the disabling of the set-point variable from the algorithm parameters, subsequently re-configuring the unit of measure in "Devices Setup" and re-configuring the CRO parameters.



Should the real percentage of the worst possible case be below that set (except the neutral zone), the formula used for the new set-point is:

 $Set_{new} = Set_{old} + \Delta\% \cdot \left(\frac{RLS_{gain}}{1000}\right)$

 $\Delta\%$ =(calculated percentage value) - (percentage set for the worst possible case)

 RLS_{gain} = release-gain parameter value

And vice-versa, should it be above the set percentage (except the neutral zone), the formula used for the new set-point is:

$$Set_{new} = Set_{old} - \Delta\% \cdot \left(\frac{CALL_{gain}}{1000}\right)$$

 $\Delta\%$ =(calculated percentage value) - (percentage set for the worst possible case)

 $CALL_{gain} = call-gain parameter value$

The calculated percentage refers to the analysis range and it changes from time to time based on the real system conditions.

Each engine must be activated by pressing enable system. To deactivate it, press disable system. The engine status is displayed at the top of the window.

- Results CRO with graphics

To view the status of the three worst utilities from the point of view of the cold call, open the menu. ENGINE VIEW DATA

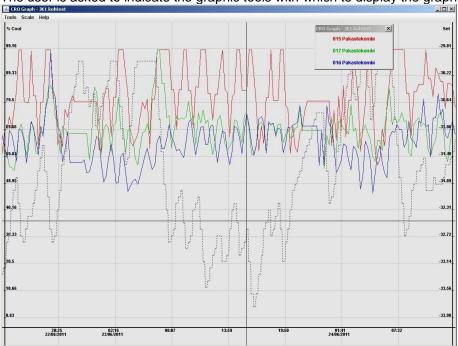


Select the class and then the devices you want to report. It will be shown on the screen the three devices considered the worst of the last period (see picture below). The worst possible device is what is referred to in the red column.

Calc. Time	Dispositivo 1	On/Off Ch.	Dispositivo 2	On/Off	Ch.	Dispositivo 3	On/Off	Ch.	Set
31/05/2013 12:30	040 5TN Carni	100.00% 1	030 2TN M Murale S/L	76.66%	13	042 22TN Carni	74.48%	4	-8.22
31/05/2013 12:23	040 5TN Carni	88.87% 2	030 2TN M Murale S/L	74.45%	13	042 22TN Carni	73.37%	5	-6.95
31/05/2013 12:16	040 5TN Carni	83.32% 4	030 2TN M Murale S/L	73.34%	13	042 22TN Carni	60.06%	6	-6.51
31/05/2013 12:09	030 2TN M Murale S/L	76.70% 15	040 5TN Carni	69.97%	5	032 2TN S Murale S/L	57.77%	10	-6.51
31/05/2013 12:02	030 2TN M Murale S/L	75.58% 13	040 5TN Carni	65.52%	6	036 3TN S Murale S/L	58.90%	10	-6.73
31/05/2013 11:55	030 2TN M Murale S/L	75.59% 13	040 5TN Carni	56.62%	7	042 22TN Carni	52.29%	8	-6.99
31/05/2013 11:48	030 2TN M Murale S/L	75.58% 14	036 3TN S Murale S/L	52.20%	10	040 5TN Carni	46.61%	8	-7.25
31/05/2013 11:41	030 2TN M Murale S/L	71.12% 15	036 3TN S Murale S/L	54.42%	11	040 5TN Carni	47.74%	8	-7.51
31/05/2013 11:34	030 2TN M Murale S/L	71.11% 14	036 3TN S Murale S/L	57.75%	11	040 5TN Carni	47.78%	9	-7.92
31/05/2013 11:26	030 2TN M Murale S/L	74.45% 13	040 5TN Carni	53.33%	8	036 3TN S Murale S/L	51.09%	11	-8.34
31/05/2013 11:19	030 2TN M Murale S/L	74.44% 13	040 5TN Carni	51.15%	9	036 3TN S Murale S/L	46.69%	12	-8.64
31/05/2013 11:12	030 2TN M Murale S/L	74.44% 13	036 3TN S Murale S/L	54.46%	11	040 5TN Carni	51.17%	9	-8.94
31/05/2013 11:05	030 2TN M Murale S/L	74.44% 13	040 5TN Carni	54.51%	7	036 3TN S Murale S/L	54.46%	11	-9.24
31/05/2013 10:58	030 2TN M Murale S/L	75.55% 13	040 5TN Carni	63.37%	7	036 3TN S Murale S/L	54.46%	11	-9.54
31/05/2013 10:51	030 2TN M Murale S/L	76.63% 13	040 5TN Carni	73.37%	5	042 22TN Carni	66.68%	5	-9.80
31/05/2013 10:44	030 2TN M Murale S/L	79.95% 11	040 5TN Carni	74.47%	3	042 22TN Carni	71.11%	3	-10.02
31/05/2013 10:37	040 5TN Carni	86.69% 3	042 22TN Carni	83.32%	3	030 2TN M Murale S/L	83.28%	9	-10.13
31/05/2013 10:30	040 5TN Carni	96.67% 1	042 22TN Carni	96.67%	1	030 2TN M Murale S/L	86.64%	8	-9.85
31/05/2013 10:23	040 5TN Carni	100.00% 1	042 22TN Carni	97.78%	2	030 2TN M Murale S/L	86.65%	9	-8.83
31/05/2013 10:16	040 5TN Carni	100.00% 1	042 22TN Carni	83.36%	3	030 2TN M Murale S/L	83.28%	8	-7.55
31/05/2013 10:09	040 5TN Carni	86.68% 3	030 2TN M Murale S/L	83.31%	9	042 22TN Carni	81.13%	4	-6.28
31/05/2013 10:02	040 5TN Carni	78.91% 4	030 2TN M Murale S/L	76.66%	11	042 22TN Carni	67.81%	5	-6.00
31/05/2013 09:55	040 5TN Carni	74.44% 5	030 2TN M Murale S/L	70.00%	13	036 3TN S Murale S/L	62.15%	9	-6.00
31/05/2013 09:48	030 2TN M Murale S/L	66.68% 15	040 5TN Carni	61.09%	6	036 3TN S Murale S/L	61.06%	11	-6.25
31/05/2013 09:41	030 2TN M Murale S/L	63.34% 16	036 3TN S Murale S/L	58.86%	10	040 5TN Carni	55.53%	8	-6.82
31/05/2013 09:34	030 2TN M Murale S/L	64.46% 14	036 3TN S Murale S/L	56.66%	10	049 11TN Cella ortofrutta	53.37%	8	-7.51
31/05/2013 09:27	030 2TN M Murale S/L	64.50% 17	049 11TN Cella ortofrutta	60.02%	12	036 3TN S Murale S/L	57.80%	11	-8.16
31/05/2013 09:20	030 2TN M Murale S/L	68.93% 15	042 22TN Carni	66.72%	5	040 5TN Carni	62.17%	5	-8.81
81/05/2013 09:13	030 2TN M Murale S/L	74.48% 15	040 5TN Carni	73.30%	5	042 22TN Carni	71.15%	3	-9.30
81/05/2013 09:06	042 22TN Carni	83.36% 3	040 5TN Carni	79.96%	3	030 2TN M Murale S/L	74.48%	15	-9.60
31/05/2013 08:59	042 22TN Carni	92.23% 1	040 5TN Carni	86.65%	3	030 2TN M Murale S/L	74.45%	16	-9.60
31/05/2013 08:52	040 5TN Carni	100.00% 1	042 22TN Carni	85.54%	2	030 2TN M Murale S/L	75.55%	15	-8.91

For each device, in addition to its name, the amount of cold call is also indicated. "Ch." corresponds to the compressor start-ups, while "On/Off" corresponds to the call of the eventual electronic expansion valve. These values are used to calculate the cold call percentage of the algorithm.

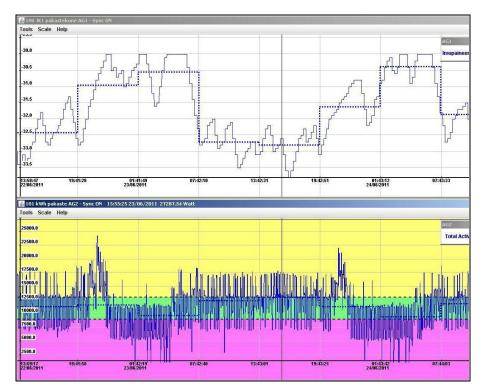
Each line corresponds to a different moment in which the C.R.O. algorithm has sent a new set-point to the plant: this set-point is shown on the right, below the "Set" column.



From the previously described window, press "Graph Results" for a graph displaying the same information. The user is asked to indicate the graphic tools with which to display the graph.

The graph shows the collected data for the selected period; together with the plant set-point as a dotted line. With C.R.O. deactivated, the central set-point would be a horizontal line: the areas above this fixed set-point and floating set-point are energy saving.

The plant set-point is illustrated in the first graph of the following image, whilst in the graph below, the energy consumptions relating to the same period are shown.



3.5.4 DEW POINT MANAGEMENT (ONLY XWEB5000)



The Dew-Point managing concept enables the XWEB-EVO to act on the adjustment of the anti-sweat heaters in order to reduce their electricity consumption.

The XWEB-EVO acts on the XM600 controllers, to which the Dew-point temperature set-point is sent. Condensation builds up on the controlled bench window surrounding the system. These controllers are defined in the configuration of a class. Each engine can manage a class. Each engine may relate to different zones of the system where work is to be carried out with different settings and parameters.

All of the following configurations are part of the dew-point project that will be run by the system if at least one of the dew-point engines is activated.

Dew Point Management		×
		DPC Logs
Module 1 - STOPPED		
Execution Interval (minutes) Temperature Controller Humidity Controller		
Temperature Controller		
Humidity Controller		
Constant Set Offset		
	🖉 Edit) 🔳 Disable Engine	Enable Engine

Parameters to configure each engine are:

Edit	inigure each engine are.	
Devices	3 devices selected	
Execution Interval (minutes)	10	
Control Device:	Other	
Temperature Controller	R51-001 XR60CX Red	-
Temperature Input	Probe 1	•
Humidity Controller	R51-001 XR60CX Red	
Humidity Input	Probe 1	-
Constant Set Offset	5	
Min. Set	-1	
Max. Set	1	<u>چَ</u>
		Cancel
		← with 'Other'
Edit		
Devices Execution Interval (minutes)	3 devices selected	•
	XH50/55P	
Control Device:		
XH50/55P Devices:	R51-015 XW679K 1	
Constant Set Offset Min. Set	5	 Image: Second se
Mun. Set	-1	
	·	
		Cancel Edit ← with 'XH50/XH55P

- Devices: devices receiving the value of the dewpoint set. Clicking on the button will open the window

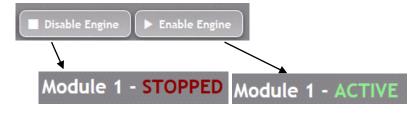
Select Devices						
	Device	Setpoint	Constant Set Offset			
V	R51-001 XR60CX Red	SetPoint 🔻	0			
V	RS1-002 XR60CX Blue	SetPoint 🔻	0			
	RS1-010 XR75CX 1	Set Point 👻	0			
	R51-011 XR75CX 2	Set Point 💌	0			
Conter	R51-012 XR75CX 3	Set Point 🔻	0			
	R51-013 XR75CX 4	Set Point 🔻	0			
	R51-014 XR75CX 5	Set Point 🔻	0			
	RS1-015 XM679K 1	Regul.Set_°C_dE	0 🚖 🗉			
	R51-016 XM679K 2	Regul.Set_°C_dE	0			
	R51-017 XM679K 3	Regul.Set_*C_dE	0			
	RS1-018 XM679K 4	Regul.Set_*C_dE	0			
	R51-019 XM679K 5	Regul.Set_°C_dE	0			

For each device represented in the list, it is defined:

- 1. Check enabled: defines whether or not the device is part of the class
- 2. Set Dew Variable: defines the variable towards which the dew-point value will be sent. Attention: if the Set Dew Point variable is not visible in the list, it has probably been disabled by the tool advances. Access Device-Setup→Advances and enabling.
- 3. Offset: value added to the Set Dew value. Reflects the difference between the temperature read by the XM600 probe that is not normally fitted on the glass and the real glass temperature.
- Execution Interval: the cycle time for sending the set of dew-point (in minutes)
- Control Device: device for calculating the value of the set dewpoint. In the event that is selected XH50 / 55P calculation box is performed by the same device that must be specified with the field "XH50 / 55P Device". This controller is connected to a temperature sensor and humidity in the environment. If however you do not have such a device, it is possible to calculate the value of the set at the same Dewpoint XWEB-EVO specificandogli variables from which to read the values of temperature and humidity. They are indicated by the parameters Temperature / Humidity Controller and Temperature / Humidity Inputs.
- Constant Set Offset: offset to the Set value of dew point that is added
- Min./Max Set: limit values of dew point Set. In the case where the value is above or below these values we are sent to controllers configured as recipients for this engine

With keys:

- Enable/Disable Engine: enables / disables the engine dew point. On the upper part of the window there is a visual feedback on the state of the motor as per the images below



to control logs of the Dewpoint project

ERRORS:

Lists the possible errors that the system can send to the "Result" column

"Valid" => in the value column, the value calculated and sent to the central device is shown. "Syntax error" => There is an error in the formula defined by the user. The mathematics is not developed. "No device data" => There is no data from the device and the mathematics cannot be developed.

"No link device" => As above, since the device is a NoLink

"Device OFF" => As above, since the device is in Off mode.

"Math div by 0" => The mathematics development is stopped due to a division by "0"

"Value not allowed" => The values for the formula variables are not permitted (out of range)

"Mathematic" appears in the "Device" column

The possible errors that may occur when sending the set to the central device include:

"Timeout" => No response from device.

"Exception" => Value not accepted by device.

"Unknown" => Unknown error.

"Success" => Value sent with success.

The device name/address is shown in the "device" column.

3.5.5 XWEB5000 SUPERVISOR SYSTEM (ONLY XWEB5000)



The supervision concept significantly expands the possibility of intervention by the XWEB5000 on system management. Supervision is intended as the ability of independent intervention by the monitoring unit on the monitored devices. To simplify the concept, it may help to think of a functional block with all the variables detected on the controller field (temperatures, pressures, operating status, alarms, etc...) as an input, and as an output, the possibility of sending specific commands to the same controllers. The basic link between input and output lies in the supervision, that is to say, in a special algorithm that the user has programmed and that the system implements each time the input variables meet the set criteria. Pay due attention to the fact that the sending of certain commands verified, following the establishing of certain input conditions, is not accompanied by the sending of additional commands when the input conditions fail. In other words, when the user considers and realises the direct action, the reverse action must then be realised. Otherwise, the system is unable to restore the initial conditions when required.

Given the evident importance of this new work tool, Dixell has tried to make its usage as simple as possible for the end-user. This is why the event is programmed through the graphic user interface, therefore, no programming knowledge is required (in contrast with what occurs with normal programming languages for PLC).

THE PROJECT

From a practical point of view, the user must be familiar with the supervision project to be realised in advance, this is why, for educational purposes, the project considered throughout this chapter will be the following:

the installation in question, demonstrates the need to monitor the operating state of an emergency generator that is only activated should there be no electric energy supply. Upon the occurrence of this condition, the supervisor must send a series of commands to the utilities in order to manage, at the highest possible level, the energy saving function during a power-cut. In the example in question, the generator is monitored through means of a Dixell XJA50D controller (alarm/status acquisition module): when the generator is activated, the module signals this through the variation of the corresponding digital input. During operation with an emergency generator, the XWEB-EVO must send the "energy saving" command (variation of work set-point) and, only for the compatible utilities as well as the "save cold" curtain lowering command.

SDC, ELS and ODC

Each project consists of at least 3 distinct blocks:

- SDC (source device class) is the set of controllers whose variables (probe values, operating state, \triangleright etc...) constitute the inputs for the supervision project.
- ELS (event logic supervisor) is the functional block that combines the input performed by the SDC \triangleright with the output, that is to say, the sending of the commands to the supervision project controllers.
- ODC (object device class) is the class of tools involved by the sending of commands ≻

Other blocks can be associated with these functional blocks, e.g. STE (system time event) as well as others that will be added by Dixell during the development of the XWEB5000 project.

SDC BLOCK (SDC -> Trigger - Device Status Trigger)

We will create a SDC that verifies the state of the XJP30D module digital input. When this input is active for at least 3 minutes, the generator is to be considered active.

Settings	
Projects Triggers Actions	
	ime Trigger Calendar
Name 🕈 Power Supply Status	Type Device Status Trigger
Device Status Trigger	
Label	Power Supply Status
Delay (seconds)	0
Duration (seconds)	3
Condition	Select Condition
Notes	we consider the emergency power supply to be ON (status true) if it is on for at least 3 minutes. that control has been applied to the generic digital input
	Cancel Delete Edit

Enter an appropriate name under "SDC name". From the device type filter, select the tool to be monitored. Go to "activation" and in our example select "Generic digital input".

If multiple variables and devices are configured for this block, the logic rule constructed by the above parameters corresponds to:

((RL 'Var**A**'-Addr<u>1</u>) ACT (RL 'Var**B**'-Addr<u>1</u>)) DL OUTPUT = ((RL 'VarA'-Addr2) ACT (RL 'VarB'-Addr2)) DL ((RL 'Var**A**'-Addr<u>3</u>) ACT (RL 'Var**B**'-Addr<u>3</u>))) Where

RL = Rever logic (box selected = not) ACT = Activation logic. AND or OR DL = Device Logic. AND or OR. 'VarA'-Addr1 = VariableA of device address 1.

If the control must be executed on numeric values, set the condition (greater, less, equal) and the corresponding threshold value.

The block output results from the above calculation. Value 0 corresponds to status DIS (disable). Value 1 corresponds to status ENA (enabled). These front changes are sent to the next block (ELS), which will then carry out further processing and act by sending commands to the successive blocks.



The ENA status can be activated with a delay, set with parameter DELAY. The above assumed logic continues to always be met and returns the TRUE value. The block status, from the moment in which the logic is met at the end of the delay time, assumes the DLY value.



The ENA status can be maintained with a maximum time set with parameter DURATION. After this time, the block status switches from ENA to DUR.

Power Supply Status					
SDC	DUR	Note			

ODC BLOCK (Action – Commands Action)

We will create an ODC that sends the reduced set-point command. The normal work set is increased by a few degrees by this command and is sent to 2 walls.

Enter an appropriate name under "ODC name". From the device type filter, select the category to be monitored. Select the tools and go to "available commands". In our example we have activated the "energy saving ON" command.

Fill in the "ODS Active Label" and the "ODS Not Active Label". These labels are used should you decide to assign a "Monitoring type" rule that enables the XWEB-EVO system to recognise the effective sending of the command.

Action	
Label	Energy Saving ON
Туре	Commands 🔹
Comman ds	1 commands selected
SetPoints	Select SetPoints
Status Condition	Select Condition
Label Status ON	Energy Saving Activated
Label Status OFF	Energy Saving Deactivated
Notes	
	Cancel Delete Edit

The possibility of entering notes that can be subsequently used to understand the meaning of the logic block being created can be very useful.

ELS BLOCK (Link)

We will create an ELS that ties the two blocks so far realised. The ELS acts as a filter combining the input (generator status) and the output (command sending to utilities).

Enter an appropriate name under "ELS name". This block allows for the linking of the SDCs to the ODSs. The user can create multiple functional blocks, linking only those used for the project in question. The other blocks can be used in other projects.

	Link	Construction of the second
l	Label	Link (ELS)
	Triggers	1 m m m m m m m m m m m m m m m m m m m
1		Power Supply Status
i		Power Supply Status RV
l		
l		
l		
l	Actions	
ł		Energy Saving ON
l		
l		
l		
l		
ļ	Notes	
		Cancel Delete Edit
	-	Concerned and a second s

This block can be configured with multiple inputs, such as SDC and/or STE blocks. A logic group can be associated with each of these: AND/OR/DIS. The rule that is executed is (\sum And | \sum Or) & \sum !Dis where And=AND logic of all parameters in AND;

Or=OR logic of all parameters in OR;

Dis=NOT logic of all parameters in DIS.

Example with C=Condition of Input (SDC/STE):

- C1 AND
- C2 OR C3 AND
- C3 ANE C4 OR
- C4 OR C5 AND
- C5 ANL C6 DIS
- C7 DIS

The resulting logic is: ((C1&C3&C5) | C2 | C4) & !C7 & !C6

Supply Status RV	AND		
		ON / OFF	

The logic configured for each input is shown on the project screen as a label on the same inputs. As illustrated in the above image.

Complete project

The complete project is displayed by means of the macroblocks:

XWEB Supervisor System	
Energy Saving Management	Edit Mode F New Link Hew Separator Hew Text
Power Supply Status	AND Link (ELS) Energy Saving ON
Power Supply Status RV	

Press "Note" on all blocks to view what is written during the block realisation phase. Press "On/Off" on ELM block to enable/disable the block execution.

Right click with the mouse on all blocks to modify the selected block. Or duplicate it.



STE BLOCK (Trigger – Time Trigger)

This logic block allows for the management of the timed events. It is a programmable filter, the status of which can be added to the project and linked to the ELS block. It is useful to set night/day filters or hourly filters.

When the input conditions (from the SDC block) occur, the system also checks the STE status. In view of this verification, ELS is activated. Should this occur in vice-versa the event in ODC will not run.

The STE blocks correspond to the "classes" configured in "Supervision Time Event". Access from menu "Tools→Manage Supervision Time Event (STE)".

EMM BLOCK (Action – Message Action)

The EMM block can receive alarms or notifications

With the EMM block you can receive alarms or notifications regarding the status of the active supervising programs.

The list of receivers depends on the receiver book filled in the ALARM configuration. The message text is the content of the fax/mail that you intend to send. The EMM also report information regarding the status of the controller that will usually correspond to the controller modified by the ODC action or the SDC enabling condition. The EMM block will be added after the ELS. This means that once the SDC is enabled and the ELS activates, the ODC and the EMM will send a message according to the setting selected.

Action	
Label	MESSAGE
Туре	Message 👻
Layout	Notification 🗸
Text	THIS IS A NOTIFICATION
Variables	1 variables selected
Receivers	Select Receivers
Notes	this will vreate a message
	Cancel Delete Edit

PROJECT SIMULATION

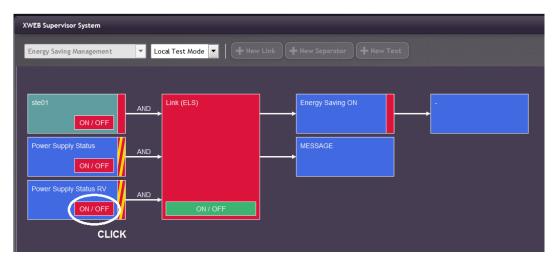
Once the project is realised, it can be partially or totally simulated before being considered definitive. There are 3 types of simulation: Local test, on-field Simulation and Runtime mode.

LOCAL TEST

This mode is useful when a rough idea of what happens when varying the status of the inputs is necessary. Access the menu "Tools" and then "Local test".

When this mode is selected, the system removes the ODS block as the simulation does NOT provide for the sending of any command - neither written nor read - to the tools.

The status of the SDCs can be forced by clicking their status. A block which in turn activates the ELS. The chain interrupts on block ODC, which simulates the command sending but does not in fact realise it.



In the above image, we clicked on the SDC block when in status DIS: block enabling activates block ELS which then turns red. And the ODC block sends a false command.

Select "Modification mode" from the "Tools" menu to return to modification mode.

ON-FIELD SIMULATION

The input statuses can be forced through means of this test in order to produce and verify the sending of the commands to the utilities. Pay attention to the fact that this test sends commands to the utilities, it is not a simulation, however the results are real and reflect the system response. To force the inputs statuses, place the mouse pointer on block SDC or STE and right-click to activate the "Disconnected inputs" mode. The user can now force the status of an input by left-clicking the mouse on the corresponding item "ENA" (enabled) or "DIS" (disabled). Based on the programming performed, the ELS block will pass the command sending the request to the next ODC. Be careful when exiting the on-field test mode, the system returns to the previous project conditions and sends commands to utilities, if necessary. Therefore, consider the potential sending of additional commands before abandoning the project.

RUNTIME MODE

This mode allows the user to verify, in real time, the status of the system operation following the execution of a supervision project. The user cannot, in any way, interact with the project. ATTENTION: each time runtime mode is engaged, the system is put into its working position which is, at that moment, decided by the SDC status. When runtime mode is deactivated, the system is reset. This may entail the sending of an additional command.

ACTIVATION of projects

The system allows for the simultaneous execution of multiple projects, the user must then decide which to activate. From the menu "Projects", "Project activation", select the project to be activated via the appropriate check box.

VISUAL FEEDBACK

Once the supervision program is running, it provides the user with important information in graphic form. The following table summarises the possible work situations.

valore/colore	descrizione		
Red	Not Active		
Green	Active		
Yellow	Trigger on duration		
Orange	Trigger on delay		
Yellow+Red	Unknown Status or Error		

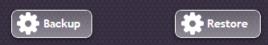
3.5.6 BACKUP/RESTORE



This procedure allows the user to save the system data and/or restore it if required. It is possible to create a backup on the XWEB memory or on the hard disc of the client's PC as well as on storage devices connected via USB. Attention: the USB devices used for restore-backup, must only be inserted before starting such procedures and disconnected when these have been completed. The restore procedure overwrites data memorised on the XWEB. This means that restoring a backup returns the XWEB status to that present on the date when the

backup was performed. When clicking on the icon, the user must select which type of operation is to be

completed:

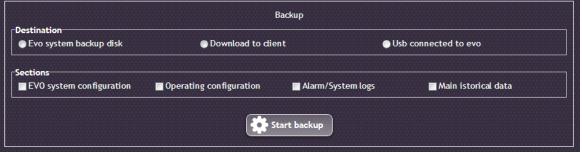


The backup and restore procedures can be run on partial xweb data, such as:

- EVO system configuration. Basic configuration of XWEB machine
- Operating configuration. Configuration of controllers, Alarms, Scheduler, other
- Alarm/System logs.
- Main historical data.

Backup

The procedure allows for the saving of data selected in "Sections", on the device selected in "Destination".



The most thorough backup is run by selecting all items in "Sections". Press "Start backup" to complete the operation.

Restore

The procedure allows for the recovering of data in the XWEB memory.

Source backup	1	Restore					
Evo system backup	disk Usb o		1 Upload backup				
	backup disk 9/2013 10:48:27 create by user "A	dmin" from this system					
Sections EVO system configuration	Operating configuration	₹ Alarm/System logs	Main istorical data				
Start restore							

The user must select the backup data source to be restored: The "Evo system backup disk" allows for the uploading of a backup previously run in the XWEB memory; The "Usb connected to evo" enables the recovery of data from the USB device and "Upload backup" allows for the remote uploading of a backup with the browser.

Once the data source has been selected, select the data to be recovered from "Section". Press "Start restore" to complete the operation.

3.5.7 DAILY EXPORT

Daily export This procedure allows for the configuring of the XWEB so that it creates a new datalog file on a daily basis that can always be recovered from an external server with an HTTP call and/or saved to USB KEY.



Export to USB on control	nection 🔽 U	pdate at 08:20					
RS1-001 New_XR70CX							
Probe 1	Probe 2	Probe R	SetPoint R	SetPoint	Defrost	Energy Saving	Fast Freezing
Keyboard	On	EEPROM Failure	Error Pb1	Error Pb2	High Value Pb1	High Value Pb2	Low Value Pb1
Low Value Pb2	No-Link	Open Door	Generic Digital Input	🔲 Alarm	Cooling	📕 Fan	
RS1-002 New_XR170C							
Evaporator (Pb2	Room (Pb1)	Set Point	Defrost	Energy Saving	Keyboard	On .	EEPROM Failure
Error Pb1	Error Pb2	Error Pb3	📄 External Alarm	High Value Pb1	Low Value Pb1	No-Link	Open Door
Door Switch	📕 Generic Alarm	📕 Alarm	Cooling	Defrost	Fan		
RS1-003 New_XR170C							
Evaporator (Pb2	Room (Pb1)	Set Point	Defrost	Energy Saving	Keyboard	On	EEPROM Failure
Error Pb1	Error Pb2	Error Pb3	External Alarm	High Value Pb1	Low Value Pb1	No-Link	Open Door
Door Switch	📕 Generic Alarm	🔲 Alarm	Cooling	Defrost	Fan		
RS1-004 New_XR570C							
Evaporator (Pb2	Room (Pb1)	Set Point	Defrost	Energy Saving	Keyboard	On	EEPROM Failure
Error Pb1	Error Pb2	Error Pb3	External Alarm	High Value Pb1	Low Value Pb1	No-Link	Open Door
RTC Failure	Door Switch	Generic Alarm	📕 Alarm	Cooling	Defrost	📑 Fan	

The user must indicate:

- the variables you want the historian. Select them by clicking the mouse or using the 'clone' button to copy the configuration of the selected variables on instruments of the same type
- enable the service
- or on demand. for copying data to the insertion of the USB stick
 - 1. Export to USB connection: for data copying when USB key is inserted
 - Update At: il parametro indica il momento in cui nuovi dati sono disponibili sia che vengano preso da chiamata http; lo stesso periodo viene usato per aggiornare eventualmente la memoria della chiavetta USB
- Export period: the start of the data to be exported
- Record interval: filter that identifies the minimum period between the samples that will be exported from the system
- Format CVS / EXCEL

Once configured, the user must confirm by pressing APPLY.

To recover the data: connect with the syntax: http://IP_EVO/getdailydata?g=1&u=<username>&p=<md5 password>

Evo transmits a zip file with the name "export_xls_YYYYMMGGhhmm.zip" or "export_csv_YYYYMMGGhhmm.zip". For example: export_xls_201311271234.zip (for xls export) export_csv_201311271234.zip (for csv export)

In case that you have done the export of USB, the files will be copied to the same as in the image below

· ← Computer → USB DISK (F:) →	THE REPORT OF ALL PRACE	- 4 , S	earch USB DISK (F:)		٩
✓ Share with ▼ Burn New folder					0
ites	▲ Name	Date modified	Туре	Size	
v Volume (D)	export_xls_20170410095643_onconnection.zip	10/04/2017 07:56	Compressed (zipp		25 KB
ktop	4 export_xls_20170410095801.zip	10/04/2017 07:58	Compressed (zipp		25 KB
vnloads					

Search export_csv_201504131155.zip							
▼ Extract all files							
Name	Туре	Compressed size	Password p	Size	Ratio	Date modified	
RS1_001_New_XR570C.csv	Microsoft Excel Comma S	26 KB	No	650 KB	97%	13/04/2015 11:55	
🖺 RS1_002_New_XR170C.csv	Microsoft Excel Comma S	24 KB	No	683 KB	97%	13/04/2015 11:55	
🐁 RS1_003_New_XR170C.csv	Microsoft Excel Comma S	24 KB	No	642 KB	97%	13/04/2015 11:55	
RS1_004_New_XR70CX.csv	Microsoft Excel Comma S	24 KB	No	708 KB	97%	13/04/2015 11:55	

In case the data were exported as a CSV note that the conventions applied are:

- Comma, separator columns
- Point, as decimal separator

1 01	π, ασ	uec	innai 3	epara							
🗶 🛃	17 - (1 -	-			-			1000	(marging)	-	Book
File	Home	Insert	Page Layo	ut Formul	as Data	Review	View D	eveloper			
From Access	Web T	ext Sour t External D	ata	ections All	esh	erties inks		Filter X Clear Solution S Reap S Adva t & Filter	ply Text t		Data C Validation - Data Tools
	A1	. (f;	-					1		
	A	В	С	D	E	F	G	Н	1.1	J	K
1											
2											
3		To	t Import Wiz	ard Stop 2	of 2					9	
4			tt import wiz	aru - Step z	013						
5		T	nis screen lets	you set the de	limiters your d	lata contains	. You can se	e how your text	is affected in t	he preview be	elow.
6		(Delimiters								
7			✓ <u>T</u> ab								
8			Semicolon		Treat consecut	ive delimiter	s as one				
9			✓ Comma		aualifior: "						
10			Space	lext	t gualifier: "		-				
11			Other:								
12											
13		_									
14			Data preview								
15			Jutu greview								
16											
17					RS1_2 New_X						^
18			07/04/2015		Room (Pb1) -10.80		aporator .00	(Pb2 °C Set -25.		n Defros 0	t Ke
19			07/04/2015	15:36:00	-10.80	-7	.00	-25.	00 1	o	0
20			07/04/2015				.00	-25.		0	0 -
21			•	111							•
22											
23						Ca	ncel	< <u>B</u> ack	<u>N</u> ext >		Einish
24											

- Day/Month/Year

ext Import Wizard - Step 3	3 of 3			2	X
This screen lets you select ea Column data format General Iext Date: DMY Do not import column (s	'General' conv values to text.	erts numeric values to num	anced	to dates, and all rer	naining
Data preview DMY 07/04/2015 15:35:00 07/04/2015 15:35:00 07/04/2015 15:37:00 07/04/2015 15:38:00 < III	-10.80 -10.80	Evaporator (Pb2 °C -7.00 -7.00 -7.00		GenerGeneral G On Defrost K 1 0 0 1 0 0 1 0 0 1 0 0	-
		Cancel < Back	k Next	> Finis	

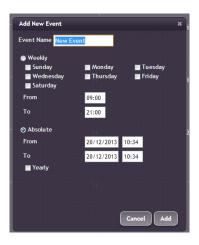
3.5.8 CALENDAR SETUP

Calendar Setup

Accessing this option allows for the management of the calendars that can be used by the system.

ndar Setup					
Calendars Available: days off			January 2014		(month) week day)
Save Save As	Sun 0:00 - 23:55 days off (Week(s)	Mon Tue	31 Wed 1	Thu Fri	3 Sat 4
Delete					
Default Event Times					
Default Start: 09:00 Default End: 21:00	0:00 - 22:55 cays off (Weekly)				(b00 = 23:55 days off (Weekp)
Add New Event	12 (crol) - 23/55 cays off (Weekly)				17 (trob - 23:55 days off (weekcy)
Fast Movement:					
ecember 💌 2013 💌	0:00 - 23:55 days off (Week(s)				24 25 (000 - 22:35 days off (Wester)
Report Time Report	26		28 29		
	050 • 23:55 days off (Weeks)				37 (0.00 - 23:55 days off (Weeksy)
	0:00 - 20:55 days off (Weelcy)				(tob - 22:55 days off (Weekoy)

For the selected calendar, the user adds event periods by clicking on the same calendar or on the "Add New Event" key.



The user must set the period name and interval as well as the period.

3.5.9 DATA LOG STATUS

1

 Data Log Status

 Log
 2%

 First Data
 20/06/2016 09:59:36

 Last Data
 18/07/2016 10:10:00

 Approximate Log Duration
 a month

 Approximate Remaining Duration
 4 years

 Registration Time
 R5485_1: 44 Seconds

- a. Log: memory used
- b. First Date: date oldest sample recorded in permanent memory
- c. Last Date: date most recent sample recorded in permanent memory
- d. Approximate Log Duration: approximate date when the oldest data will be deleted
- e. Approximate Remaining Duration: approximate date when the oldest data will be deleted. The display can vary over time depending on the use of XWEB and is calculated based on the total memory of XWEB and consummate
- f. Registration Time: sampling time (polling) on the serial.

3.5.10RUNTIME DATA



Runtime Data Access to this option allows you to monitor the overall status of the system. The selection the user has to select the group of tools which want to monitor the status, from the drop-down menu in the top left corner.

Runtime Data						
All	-					Select All Unselect All Co
R51-001 New_XR570C Room (Pb1): -0.4 °C	Evaporator (Pb2:					
(i) 🕸 💁 🚥		پ 🗞 🕼			Generic Alarm	
R51-002 New_XR170C Room (Pb1): -10.8 °C	Evaporator (Pb2:					
		@▲\$*				
RS1-003 New_XR170C Room (Pb1): 0.0 °C	Evaporator (Pb2:	0.0 °C				
R51-004 New_XR70CX Probe 1: -	Probe 2: -		Probe R: -	SetPoint R: -	8 - 10 - 1-10 - 10 - 10 - 10 - 10 - 10 -	
😃 🏶 🐿 💁 🚥						

The devices in alarm have a red background, as the first image above.

From this window you can also send commands to the selected instruments. To select just click on their area and selected when an arrow to the left of the device is presented as in the image below.

	RS1-002 New_XR170C Room (Pb1): -10.8 °C	Evaporator (Pb2: -7.0 °C	
4	() 🕸 🚡 🚥	\$\$ \$ \$	

On selected instruments you can send the command from the button 'Commands' at the top right. From which the user must select the command from the pulldown menu.

T
Cancel Execute

If more tools have been selected, the curtain will populate the only controls that are common to all instruments.

3.5.11 LANGUAGES MANAGER



Manager Access to the panel of language management allows the user to manage the languages that are managed in the system. Factory system presents the user with the following languages:

- 1. English
- 2. Italian
- 3. Spanish
- 4. German
- 5. Portuguese (Brasil)
- 6. Russian
- 7. Turkish
- 8. French
- 9. Polish

Other languages can be added / removed and the translations are handled with Excel files.

The system with hardware that mounts software production version 2.0 from the factory, operates a total of up to 10 languages. Additional installed languages can reduce the duration of data storage temperature less than one year.

Add New Language

Add New Language	
Source Language	1 •
Language Tag	en - GB
Language Name	Language (Country)
	Add

- For the addition of a new language specify
- 1. A language already present in the system to inherit translations
- 2. Name of the language in format acronym. The box to the left indicates the language and the right side
- shows the country for the management of the dialect
- 3. Name of the language in extended format

Export Language

Export Language		
Source Language	1 •	
Destination Language	1 •	
		Download

Exporting is the preliminary step to the translation. Select

1. The translation of the source language (eg English)

2. The language that you want to do the translation (eg Japanese)

Xweb export an Excel file containing all strings in English and Chinese. Strings in China will not be translated but will probably be changed by the translator.

Image: Second	Aicrosoft Excel
File Home Insert Page Layout Formulas Data Review View Developer	X 🖷 🗆 🕃 a
Clipboard 12 Font 12 Alignment 12 Number 12	Styles Cells Editing WebEx
C2 ▼ (× ✓ & サービスがアクティブである場合に、選択されていないデバイスは、アクティニ	ブ規則を受信する間に、設定を適用した後、選択したデバイスは、アクティブな規 🏼 🔷 💌
В	C
1 en-GB	ja-JA
2 After applying the configuration, if the service is active, the selected device will receive Active Regulation ON, while the dev	
3 Email address for deactivation warning	規則を受信する間に、設定を適用した後、選択したデバイスは、アクティブな規
4 Active Regulation	則のoNを受信します
5 Start sending deactivation warnings since days before 6 Warning: when the service is active, any Active Regulation manual command will be overwritten with the saved configuration	Start sending deactivation warnings since days before
7 Deactivation Date	Deactivation Date
8 ACTIVE	ACTIVE
9 Addr	Addr
10 Activation Date	Activation Date
11 Error saving configuration!	Error saving configuration!
12 NOT ACTIVE	NOT ACTIVE
13 Saved successfully	Saved successfully
14 Select from the list on the left of the devices on which to activate the Active Regulation.	Select from the list on the left of the devices on which to activate the Active Regulation.
15 Save and Disable Service	Save and Disable Service
16 Save and Enable Service	Save and Enable Service
17 ACTIVE - WAITING FOR ACQUISITIONS START	ACTIVE - WAITING FOR ACQUISITIONS START
18 Active Regulation Service Status	Active Regulation Service Status
19	
20	
21	
22	
23 24	
24 25	
26	
20	· · · · · · · · · · · · · · · · · · ·
ActiveReg / DailyExport / DeviceLantest / EvoConsole / actAlarmLog / alarmsLog / alarmsSetup / backupRestore	cak[] ↓ ▶ []
Edit 🔛	🗰 🛄 🛄 100% 😑 👘 🕂

Import Language

Import Language	
	Upload

To import the system of translation. The format should be that of the Excel spreadsheet.

Clone Language

Source Language Italiano (Italia)	
Destination Language Español (España)	
	Clone

To copy the translation from one language to another.

Remove language

Remove Language		
Select Language	1 🔹	Remove
To remove a language	9.	

3.6 DESKTOPS

The desktops represent the main tasks that the XWE-EVO provides its users.

3.6.1 DESKTOP OVERVIEW

The "Overview" desktop is the desktop that appears to the user just after login. This desktop provides the user with an overview of the status of the network tools and allows for the execution of procedures such as sending global commands (e.g. lights switch-on/off) and HACCP print



- Setup controllers

Each configured device is represented by a box coloured according to the status of the device itself. The devices are automatically grouped in sections according to the group configuration.

Colour	Meaning
Green	No detected alarm
Red	Alarm
White	Acquisitions Off
Orange	No-link status
Gray with orange border	Cleaning or Service, status

Move the mouse cursor over the device of interest. A pop-up opens providing the device name and other information.

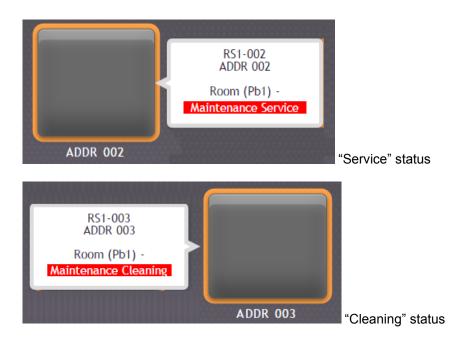


Click on the device box to open the "Device View" desktop which provides the complete details of the device of interest.

Double click on the affected device box leads to the "Maintenance Mode".

Maintenance Mode		
Mode ADDR 105	Service	•
Automatically stop after	4	Hours v
		Cancel Start

With which the user can set the device in "Service" or "Cleaning" mode for a given period; At the end of which the device will return to be monitored normally. Returning to the normal state can be forced even with a double click on the device; The user will be prompted to confirm that the maintenance state is interrupted. The maintenance status is also interrupted even if the acquisitions are interrupted.



In the maintenance mode each alarm that could generate a connected instrument is ignored. In general, every reading and writing operation on the instrument is inhibited.

For example if the instrument normally comes with an alarm



Active Alarms					
Code 🔶	Addr.	Device	Name	Start	End
	All 🔻	All 🔻	All		
76	RS1-001	ADDR 001	High Value Pb1	28/03/2017 17:13:48	ACTIVE
74	RS1-006	ADDR 006	No-Link	28/03/2017 14:51:19	ACTIVE

the very same, once maintenance mode starts it appears like



Active Alarms					
Code 🔶	Addr.	Device	Name	Start	End
	All 🔻	All	All 🗸		
74	RS1-006	ADDR 006	No-Link	28/03/2017 14:51:19	ACTIVE
73	RS1-005	ADDR 005	No-Link	28/03/2017 14:51:18	ACTIVE
72	RS1-102	New_XJM60D	No-Link	28/03/2017 14:51:17	ACTIVE

← alarm terminated

Device Snapshot			Alarms	Log											
Name 🕈	Value	-	Alarm Filt	er			Time Filter		U	ser Note Filter					
🖨 Analog (4)		·	Level: A	at	• Category	r: All 🔻	O Last 3	Days		Users: All			Show		Apply
Probe 1	19.3 °C		Device Fil	ter			• From 2017-03	-25 16:04	U	ser Notification F	lter		deleted alarm		
Probe 2	0.0 °C		Group:	All	Device:	All •	To 2017-03	-28 16:04	5	Users: All					Export
Probe R	19.3 °C						16 2017-03	-28 16:04							
SetPoint R	3.0 °C		Alarms Li	st											
State (5)			Code 🕯	Addr.	Device	Category	Name		Start	End	Du	ration	Terminated		
Defrost	Off			All •	All 🔹	All	▼ All	•					All 🔻	All •	All
Energy Saving	Off		76	RS1-001	ADDR 001	Kritischer	High Value Pb	01 28/03	2017 17:13.	28/03/2017 17:	16 2	m 20s	MAINTENANCE.		•
Fast Freezing	Off		75	R51-001	ADDR 001	Kritischer	High Value Pt	1 28/03	2017 15:57.	28/03/2017 17:	11 1h '	14m 20s	MAINTENANCE	-	•
Keyboard	Off		74	RS1-006	ADDR 006	Default	No-Link	28/03/	2017 14:51.	ACTIVE					
On On	On		73	RS1-005	ADDR 005	Default	No-Link	28/03	2017 14:51.	ACTIVE					
Setpoint (1)			72	R51-102	New_XJM60D	Default	No-Link	28/03/	2017 14:51.	ACTIVE					
SetPoint	3.0 °C		71	RS1-101	New_EEM	Default	No-Link	28/03/	2017 14:51.	ACTIVE					
🔿 Alarms (9)			70	R51-100	New_E93	Default	No-Link	28/03	2017 14:51.	ACTIVE					
EEPROM Failure	Off	-	69	R51-020	ADDR 020-me	Default	No-Link	28/03	2017 14:51.	ACTIVE					
			68	R51-010	ADDR 010	Default	No-Link	28/03	2017 14:51.	ACTIVE					
ACQUISITIONS OFF 🧮 MAINTENANCE MODE	NO-LINK	A C	67	RS1-009	ADDR 009	Default	No-Link		2017 14:51.						
							14	<< Page	of 1 >>>	H				View 1	- 56 0
			Alarm De	tail											
			Dat	te 🔶	User		Note		Date	User 🔶	Level	As	Med	lia	Stati
19.5 19.3 28/03 16:05		- 8	in the second second			New Note:		•	28/03/2012	7 1 Direktor	achtung	NEW AL	LARM EMAIL	PRS	ОК
									28/03/2013	7 1 Direktor	achtung	TERMIN	ATED EMAIL	PRS	OK
19.0 • 19		- 8	1						28/03/2013	7 1 Unterstue	achtung	NEW AL	LARM EMAIL	PRS	ОК
28/03 15:15									28/03/2017	7 1 Unterstue	achtung	TERMIN	ATED EMAIL	PRS	ОК

← The alarm has stopped due to the input in maintenance mode

- Active alarms table

The "Active Alarms" section represents the list of active alarms, in real time, relating to the configured controls.

The list of alarms can use filters, visible and configurable, on the first line of the table.

Active Alarms							
Code 🗘	Name	Category	Start	Device Name	Addr.	Note	NTF
	All	All		All	All 💌	All 💌	All 💌
15	Open Door	Default	14/05/13 00:25:09	New_XR170C	RS1-007	•	
14	Low Value Pb1	Default	14/05/13 00:25:07	New_XR570C	RS1-002		
		14 -0	Page 1 of 1 🕬 🔤			_	View 1 - 2 of 2

- HACCP Print Configuration (ONLY FOR 500/3000/5000 MODELS)

The "HACCP Print" key must be configured before being able to execute printing operations. Therefore, the user performing the configuration must access the configuration menu by clicking on the wrench icon as demonstrated below.



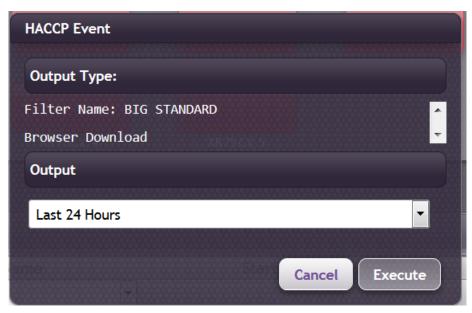
After clicking on the configuration button, you will open the configuration window



where they will have to indicate the temperature variables, selecting the corresponding HACCP list and type of output

- 1. download browser: for opening the file in the browser. The browser must have a plug-in for PDF files
- 2. print on XWEB Default Printer: for printing using the configured printer in the menu→xweb system setup→System Setup→Printers
- 3. send Email to: for sending emails. A mail server must be configured from the menu→xweb system setup→Email
- HACCP Print Execution

The "HACCP Print" key allows for the printing or the sending of the HACCP report. The following window appears when the key is pressed: the user is asked to modify, if necessary, and confirm the period for which the report is required.



The output type represents a configuration summary of the report.

- Global Command Configuration

Global Commands	
list defrost	▼ Lists Manager
	Cancel OK

Global Command Execution



3.6.2 DESKTOP DEVICE VIEW

The "Device View" desktop provides the user with all the resources monitored by the selected device. All variables monitored by the field will be listed, including the

- analogue variables. Set-points and analogue I/O: probe values or from analogue outputs (e.g. output 0-20mA)
- digital variables. Machine statuses, digital I/O, alarms. For example, "stand-by" status, digital input and high temperature alarm.

3.6.2.1 SELECTION OF DEVICE



Use the "device category" filter to help choose the device of interest: selecting the category limits the available devices. Then, by selecting the desired device, the page is updated, providing the user with information on that same device. It is also possible to browse the device using the keys "< >": they are used to navigate to the nearest Modbus address device.

- EVO 194 Fenrisúlf × +														_ 0	×
€ ♪ 10.100.81.194							C C	Search			☆自	Ø	+ 1	9	
Device View		NO-LINK DEVICE OFF	FAST SAMPLING MODE	ACQUISITIONS OFF	20 1		- 000 - 501		-	500	_	-	-	-	4
RS1-001 XR60CX Red	• •	۰c	30.6 18/07.05												
Name *	Value	30.0			, Junger	min	www		~~~~			here	where we	www.	
Analog (4)		25.0			28.1										
Probe 1	-3.0 °C	25.0		20 18/07 10:02	7 10:17										
Probe 2	29.4 °C	20.0		18/07 10:02											
Probe R	-3.0 °C														
SetPoint R State (5)	2.0 °C	15.0													
Energy Saving	On	10.0													
On	On														
Setpoint (1)		5.0													
SetPoint	2.0 °C	0.0													
Alarms (9)		0.0													
Dinputs (1) Outputs (3)		-5.0												-3 18/07	
		Commands Device ON		Performance (Lo	ist 24 Hours)										
		Device OFF		Cooling										More	
		Defrost ON		Performance	SetPoint	Avg		Min	Max		TDef		Cooling		Ĩ
		Alarm Mute											49.3%		
		Fast Freezing C	N	Low Alarm	Temperature		lefrost. 📕 Higt	Alarm 🔳 D							
		Fast Freezing O	er 📃												
		KeyBoard Loci		14:00	10:00	18.00 20.0	0 22:00	0.00	2.00	4.00			10.0	•	
		KeyBoard Unlo													
		Energy Saving C			29%								19	6	
	Show all	Energy Saving O													
+ Logout) Time: 12:19 Date: 18/07/2016	M III & A M M A										Release; 4	G	- Deskto) (=	

Selecting a device displays:

- the variables grouped by group of pertinence (Analogue/Status/Alarm etc..). section "deviceView";
- the graph for the device. section "dataChart";
- the list of available commands per device. section "commandButtons";
- performance meter



Clicking on "MORE" button pops up the window to compare performances for all devices

Cooling											
From 2017-04-06 16:08 To 2017-0	04-07 16:08	Execute All	🗠 Export				_				
				Low Alarm	Temperati	ure on target	Defrost	High Alarm	Device OFF Maint	enance Mode	Acquisitions OFI
Device	_	Performance	SetPoint	Avg	Min	Max	TDef	Cooling			
C No Group											
RS1-001 New_XR70CX			3 °C	19.0 °C	18.8 °C	19.1 °C		0.0%		96%	
RS1-002 New_XR170C		100%	10 °C	13.5 °C	13.5 °C	13.5 °C		86.0%		96%	
R51-003 New_XR170C			-25 °C	-10.1 °C	-10.1 °C	-10.1 °C		100.0%		96%	
RS1-004 New_XR570C			-20 °C	1.2 °C	1.2 °C	1.2 °C		100.0%		96%	
											Close

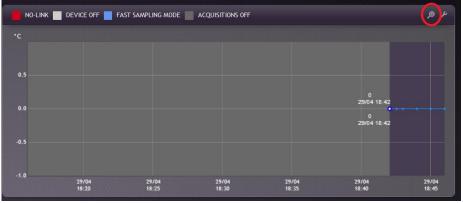
The configuration of the Performance Meter can be automatic when no operation cfg is applied to the instrument. In this case the setpoint variable and probe are automatically detected and the Min and Max values are calculated according to the setpoint value of the instrument. Setpoint min = -10; Max = setpoint +10

.

Cooling - RS1-003 New_XR75CX		
Probe	Pb1_°C_dE	•
SetPoint	SetPoint_°C_dE	•
Min	-4	
Max	16	
Defrost Offset (min)	90	
		Cancel

All page values and relative graphs are updated in real time (on polling time).

The graph in the deviceview page can be rendered with a click on the page dedicated to full-screen graphical tool by pressing the 'magnifying glass button'.



3.6.2.2 VARIABLE DISPLAYING

This section shows, for the chosen device, the list of variables to be monitored and their values in real time. The variables are divided between the sections Analogue, State, Set-point, Alarms, Inputs and Outputs. There are two types of display:

- complete: corresponds to the presence of the key "Only active" . All device variables are represented.
- reduced: corresponds to the presence of the "Show all" key (isplaying of the digital variables is limited to those in the "On" status. "On" corresponds to the presence of an alarm for the variables in the "Alarm" section. This mode enables the list to be reduced to show only the variables of interest and facilitate the operator in his/her reading.

nplete	Reduced
deviceView Ø	deviceView
All categories	All categories
< 002 - New_XR570C ▼ →	(002 - New_XR570C ▼)
Name Value Uom	Name Value Uom
■ Analog (2) Room (Pb1) -13.9 *C	□ Analog (2) ■ Room (Pb1) -13.9 *C
Koom (Pb1) -13.9 C Evaporator (Pb2 1.6 °C	■ Room (Pb1) -13.9 °C ■ Evaporator (Pb2 1.6 °C
B State (4)	State (4)
Energy Saving	Energy Saving On
Keyboard Off	On On
Defrost Off	G Setpoint (1)
	Set Point 2.0 °C
□ Setpoint (1)	□ Alarms (9)
Set Point 2.0 °C	Error Pb3
Alarms (9)	Low Value Pb1 On
High Value Pb1	B Inputs (2)
RTC Failure Off	© Outputs (4)
External Alarm Off	
☑ Open Door Off	
Error Pb3 !	
EEPROM Failure Off	
Low Value Pb1 On	
Error Pb2 Off	
Error Pb1	
Inputs (2) Door Switch Off	
Generic Alarm Off	
Outputs (4)	
Fan Off	
Defrost Off	
Cooling Off	
Alarm Off	
Only active Start FSM	Show all Start FSM
	snow all start rsm

The status is shown in blue <u>On</u> for the digital variables, and in red <u>On</u> for the alarm variables only.

In full view mode, it is possible to select or deselect the variables. The selection of each value allows it to be included in the various page elements, such as in the graph shown below.

deviceView			dataChart	
	All categories		BACKGROUND COLORS: NO-LINK DEVICE-OFF FSM ACQ OFF	
	03 - New_XR70CX 💌 🕟		22:10:03 08/03/2013 ANALOGS 3 New_XR70CX - Probe 1: 16.80 °C	
Nane Na	Value	Uom	10.5 3 New_XR70CX - Probe 2: 0.00 °C	
	Analog (4)		3 New_XR70CX - SetPoint R: 6.00 °C	
🔽 Probe 1	17.1	۴C	3 New_XR70CX - SetPoint: 6.00 °C	
Probe R	17.1		DIGITALS 3 New _ XR70CX - On: On 3 New _ KR70CX - Energy Saving: Off (2)	
SetPoint R	6.0	۲C	10 3 New_XR70CX - Energy Saving: Off	
Probe 2	0.0	°C		
	State (5)		6 21:48:07 08/03/13	
Energy Saving	Off			
Keyboard				
Fast Freezing				
Defrost	Off		0 21.48.07 08/03/13	
🗹 On	On			
	Setpoint (1)			
SetPoint	6.0	*C		
•	Alarms (8)			
Error Pb2	Off		21:50:00 22:00:00 22:10:00 22:20:00 22:30:00 22:40:00 22:50:00 23:00:00 23:10: 08/03/13 08/03/13 08/03/13 08/03/13 08/03/13 08/03/13 08/03/13 08/03/13 08/03/13 08/03/13	
Open Door	Off			
Low Value Pb2	Off			
FFPDOM Failure	Off			

3.6.2.3 MODIFICATION OF SET-POINT

A set-point can be quickly changed by clicking on its value. The box then goes into edit mode, as demonstrated below.



Enter the new set-point value and press "enter" to confirm. Confirmation of the entered value will be requested before commanding that written by the set-point to the controller. For each written phrase, the user will be notified as to whether or not the operation was carried out successfully.

Set-point change successful	Set-point change with error
Alert Command succesfully executed	Alert ERROR - Command not executed OK

To perform this operation, the page must be in full view mode.

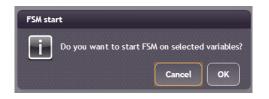
3.6.2.4 START FAST ACQUISITION MODEM (FSM)

The FSM mode aims to perform a high speed selective monitoring of the resources for a set time limited to 10 minutes. This type of monitoring allows the user to run the controller debug and/or of its application, as if the other devices were "disconnected" from the tool network. The delay in the acquisition time of the controller values is at a minimum, the device is read more or less in real time.

Attention: to allow for a higher speed of a controller, the others will be affected. During FSM mode, the sampling time of the other controllers may appear to have increased.

To run the FSM procedure on a controller, firstly, select the variables of interest from the "device view"

section and then press "Start FSM" . When this is pressed, the following message appears requesting confirmation before starting the procedure:



Once confirmed, the user will be warned that the acquisitions have entered in FSM mode for the device.



The FSM mode saves all read samples in the main data archives. All data sampled during FSM mode is marked as such and represented in the graphs by a light-blue background.



3.6.2.5 SENDING COMMANDS TO THE DEVICE

Commands can be manually sent to the selected device, such as "Device OFF", "Device ON", "Active Defrost", etc., via the "Single view" window. To send the command, press the button as demonstrated below:



Confirmation will be requested after which the user is informed whether or not the command was successfully sent.

3.6.2.6 VARIABLE SECTION FOR REAL TIME GRAPH

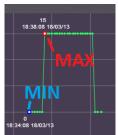
The graph in the "single view" desktop is a "real time" graph which, by default, shows the "Pb1" variable of the device. The display interval is that of the last three hours.



In this section the user may also wish to view other variables: to add/remove them from the graph, select the variables from the "device view" section during the full view phase.

The graph can be scrolled with the "flag" cursor using your mouse: the "flag" provides the exact value of the variables on the graph itself.

IDENTIFICATION OF THE MINIMUM AND MAXIMUM VALUES IN THE CHARTING PERIOD



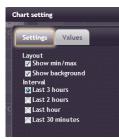
They are graphically marked with the coloured dots. The value and date of each of these

is also shown.

GRAPH OPTIONS

Click on the wrench icon to access the menu:

• Settings: from here, it is possible to change the view interval of the graph itself, and show/hide the minimum/maximum values as well as the background colours



• Values: to modify the colour of the graph variables

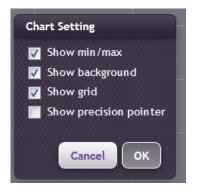


3.6.3 CHART DESKTOP

The "Chart" desktop allows the user to create a graph with the variables monitored by the XWEB. On accessing the desktop for the first time, the window will appear empty. Afterwards, the graph window appears as it did when the user last logged out.

3.6.3.1 GRAPH CONFIGURATION

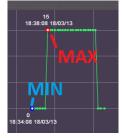
Click on the wrench (top-right icon on desktop) to access the configuration window.



Here, the user must specify the variables and the time to in order to create a graph. The graph is updated when the display parameters are confirmed.

- Show min./max.:

the enabling of this parameter allows the user to view the minimum and maximum values that are graphically marked with red dots (for maximum) and blue dots (for minimum). Their values with the date are shown nearby. The minimum and maximum values relate to the time period selected for charting and are real values.



- Show background:

Enables background display. If the graph displays data of a single controller, the background colours are BACKGROUND COLORS: NO-LINK DEVICE-OFF FSM ACQ OFF

If the graph shows data from two or more devices, the information provided by the background colours is:

BACKGROUND COLORS: NO-LINK / DEVICE-OFF / FSM ACQ OFF

- Show grid:

Show/Hide the grid on the chart

- Show Precision Pointer: shows / hides the pointer flag which can move on the Y axis

0.0 -2.5 18/07 12:10	
10.0	18/07/2016 12:26:04 ANALOGS R51-002 XR60CX Blue - Probe 2: 25.8 °C R51-002 XR60CX Blue - Probe 1: -4.0 °C R51-001 XR60CX Red - Probe 2: 29.7 °C R51-001 XR60CX Red - Probe 1: -4.0 °C
ON	DIGITALS R51-002 XR60CX Blue - Energy Saving: ON R51-001 XR60CX Red - Energy Saving: ON

3.6.3.2 LIST

to load a previously saved graph XWEB configuration. The list is managed by the key "Lists Manager" and "Save" key brings the user the option to save a new list from the current configuration.

3.6.3.3 CHART SOURCE

- *Main*: this option must be enabled if you wish to create a graph using historical data dating back more than two days
- *Circular*: these archives provide records at the maximum speed on the polling round. But are limited to the last two days only. Choose this option if you wish to debug the system from an alarm notification recently received

3.6.3.4 SELECT VARIABLES

On this window you choose the variables that will form the list of those to be graphed. Variables can be related to any tool. The same can also choose the color of each variable representation.

Select Variables			
RS1-001 XR60CX Red (3 selected)			●•00 _
V Probe 1	Probe 2	Probe R	SetPoint R
SetPoint	Defrost	🔽 📃 🔻 Energy Saving	Fast Freezing
Keyboard	0n	EEPROM Failure	Error Pb1
Error Pb2	High Value Pb1	High Value Pb2	Low Value Pb1
Low Value Pb2	No-Link	🔲 🔽 Open Door	🔲 🔽 Generic Digital Input
Cooling	Defrost	E Fan	
RS1-002 XR60CX Blue (3 selected)			
🔽 🔽 🔻 Probe 1	Probe 2	Probe R	SetPoint R
SetPoint SetPoint	Defrost	🔽 🚺 🔻 Energy Saving	Tast Freezing
Keyboard	🔲 🛄 🔽 On	EEPROM Failure	Error Pb1
Error Pb2	High Value Pb1	High Value Pb2	Low Value Pb1
Low Value Pb2	No-Link	Doen Door	🔲 🔤 Generic Digital Input
Cooling	Defrost	Fan	
RS1-010 XR75CX 1			
RS1-011 XR75CX 2			0000
R51-012 XR75CX 3			
RS1-013 XR75CX 4			
RS1-014 XR75CX 5			
RS1-015 XM679K 1			Dete
R51-016 XM679K 2			Dee
R51-017 XM679K 3			
			Cancel OK

3.6.3.5 READING OF GRAPH



The area of the graph is divided into the following sections:

- A) Axis area (blue): the variables are grouped by axis, for example all temperatures in °C will have the adequate axis and consumptions in Watt will also have an axis.
- B) Analogue variable graph area (green). All analogue variables, even if relating to different controllers, can be viewed on the same area.
- C) Digital variable graph area (purple). All digital variables, even if relating to different controllers, can be viewed on the same area.
- D) Graph overview area (orange). This graph represents the graph total requested from the server and does not consider the zoom factor. This graph can be used as reference for its navigation.

Analogue and digital variables are all included in the same graph, even if coming from different devices.

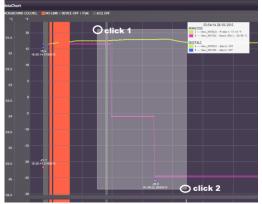
3.6.3.6 READING THE VALUES OF A PARTICULAR MOMENT

Going over the graph with the mouse shows the moving flag cursor, as demonstrated below. The values of the variables selected at that moment are shown in the flag area.



3.6.3.7 ZOOMING-IN ON AREA

To zoom-in on an area of the graph, click and hold the mouse on a point and drag until the desired area to be zoomed-in on is created.



3.6.3.8 ZOOMING-IN ON AREA OF OVERVIEW GRAPH

To zoom-in on an area of the overview graph, click and hold the mouse on the graph and drag to select the desired area.

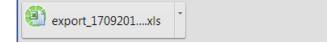


3.6.3.9 DATA EXPORT

The graph data can be exported in Excel(R) format. To access this procedure, press the graph toolbar.



Upon confirmation by clicking "Ok", the system saves an Excel file on the user's PC.



The content of the file will be similar to that of the following image:

Insert Page L	ayout Formulas Data	Review View Develo	per							0
Arial	- 10 - A A	= = = > = = Wr	ap Text General	-	Normal E	ad Good			27 8	
inter B Z	U - III - 🕭 - A -	EEE B B Me	rge & Center - 🦉 - % ,	Conditional Form	nat as Neutral C	alculation Check Cell	Insert Delete Form	at Clear →	Sort & Find &	
anter				Formatting * Tab					Filter * Select *	
9	Font	Alignment	R Number	6	Style	S	Cells	Ec	diting	
- (°	∫ _∞ Date-Time				1					
	В	С	D	E	F	G	Н	l J	K	L
lime	Probe 1	SetPoint	Cooling	On	Defrost	High Value Pb1	High Value Pb2			
:43:20	17,5	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
5:08:03	17,7	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
5:23:03	17,9	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
5:38:03	18	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
5:53:03	18,1	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
5:08:03	18,2	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
5:23:03	18,3	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
5:38:03	18,4	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
5:56:49	18,6	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
:11:49	18,7	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
:26:49	18,7	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
7:41:49	18,8	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
7:56:49	18,8	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
3:11:49	18,8	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
3:26:49	18,7	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
3:41:49	18,3	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
3:56:49	18,1	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
9:11:49	17,9	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
9:26:49	17,8	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
9:41:49	17,6	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
0:56:49	17,4	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
0:11:49	17,2	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
):26:49	17,1	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
0:42:05	17	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
0:57:05	16,9	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
1:12:05	16,9	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
:27:06	16,8	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
1:42:06	16,7	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
:57:06	16,7	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
2:12:07	16,6	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
2:27:26	16,6	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
2:42:26	16,6	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
2:57:26	16,5	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
3:12:26	16,5	5	NOT ACTIVE	ACTIVE	NOT ACTIVE	NOT ACTIVE	NOT ACTIVE			
03 New XR7	OCX RS1-005 New XR	1700				4				

on

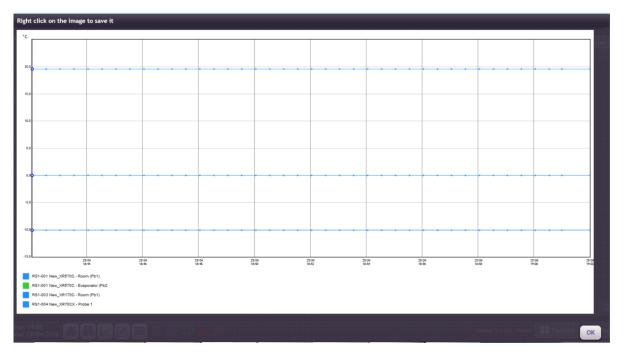
Export XLSX

Cells normally have no background colore, with the exception of: MAGENTA => Acquisition STOP. SILVER => Device NoLink. GREEN => Device OFF YELLOW => FSM ACTIVE CYANO => Variable interested to FSM

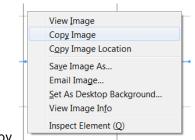
3.6.3.10 CREATE IMAGE PRINTABLE ON PAPER

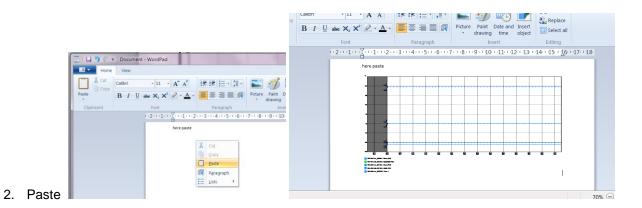
Export PNG

opens a dialog that contains the image currently displayed in the The button graphic in a format that can be copied and pasted into a word processing document, suitable to be printed on white paper.



The copy in the computer's memory can usually be performed by clicking the right mouse button over the image ..

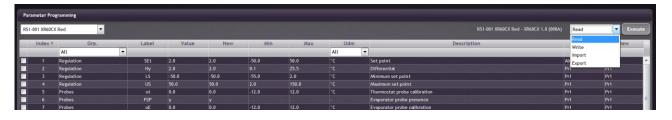




1592010885 XWEB EVO OPR EN r4.3 2017.07.21.doc XWEB300D/500D/500/3000/5000 EVO 104/127

3.6.4 DESKTOP PARAMETERS

The "Parameters" desktop allows the user to read and modify the parameters of the controllers connected to the device network.



3.6.4.1 PARAMETER READING

Select the device of interest and possibly the specific group of interest of the parameters to be read. Select "Read" from the menu on the right-hand side and run "Execute". The page will be updated with the parameter list. Loading depends on the number of parameters and the connection speed.

Para	meter progra	amming						
RS1-0	102 New_XR57	70C	▼ Lev.: 4	Grp.: All	-		Read 💌 🔳	xecute
	ID	Label	Value	Min	Max	Udm	Description	
O Ala	arm (11)							^
	30	dAo	00:00				Temperature alarm delay at power on	=
	35	nPS	0	0	15		Pressure switch activation	
	26	ALU	5.0	0.0	50.0	°C	High temperature alarm	
	27	ALL	5.0	0.0	50.0	°C	Low temperature alarm	
	28	AFH	2.0	0.1	25.5	°C	Differential for alarms	
	29	ALd	0	0	255	min	Temperature alarms delay	
	25	ALc	rE				Alarms configuration : relative / absolute	
	31	EdA	0	0	255	min	Temperature alarm delay after defrost	
	32	dot	0	0	255	min	Temperature alarm delay after door opening	
	33	doA	15				Door alarm delay	
	34	tbA	Yes				Alarm relay reset	-
	· · (07)						····	

The following columns are defined:

Sel:	box for selecting the parameters to be exported.
ID:	parameter index
Label:	parameter description
Value:	current value of parameter
Min./Max.:	interval of value admitted for the parameter
Udm:	unit of measure
Description:	description of parameter function

3.6.4.2 PARAMETER WRITING

Select the device of interest and run the parameter reading. Once run, modify the parameter value by accessing the "Value" column.

	ID	Label	Value	Min	Max	
• A	arm (11)					
	30	dAo	00:00			
	35	nPS	0	0	15	
v	26	ALU	6.0	0.0	50.0	°C
	27	ALL	5.0	0.0	50.0	°C
6 600	28	۵FH	2.0	0.1	25 5	°C

Once all parameters of interest are modified, select "Write" and press "Execute". The XWEB-EVO will open the list of all compatible devices on which you can perform "writing". Select those of interest and press "Ok".

The default option is 'Entire table' but the user can also select the writing of a total subset of parameters if you previously selected with the leftmost checkbox

Please select the devices		l litteren fiz		
Entire table			-	
Address 🕈		Device		
●Real (2)				
RS1-001	XR60CX Red			
RS1-002	XR60CX Blue			
				\leftarrow (entire table)
Please select the devices	5			
Only selected				
Address 🕈		Device		
⊖Real (2)				
RS1-001	XR60CX Red			
RS1-002	XR60CX Blue			\leftarrow (only selected)

3.6.4.3 PARAMETER MAP EXPORT

Save the parameter map by making a backup. The parameter map can be saved in the same XWEB-EVO or downloaded to your PC as a ZIP file, through the browser.

Export Parameters	Evanorator probe pi
Output format	
CSV	-
Destination	
Client download	
Parameters	
Entire table	•
	Cancel Export

Available options are:

- a. CSV-file format
- b. PDF-file format

	0013223329-2-New w <u>W</u> indow <u>H</u> elp	_XR570C.pdf - Adobe Reader						- • 💌
) 🕘 1 /2 😑 🏚 💷 🐑 🔛 🔛 😥 🔛 🗾					Tools Sign	Comment
0		Device para	ameters	;				
		name : XwebEvo						
	Device	: 2 New_XR570C						
	Group	: All						
	Date	: 20.03.2013 22:33						
	Pages	: 2						
	Index	Description	Label	value	Min	Мах	Udm	
	1	Differential	Ну	4.0	0.1	25.5	°C	
	2	Minimum set-point	LS	-30.0	-50.0	0.0	°C	
	3	Maximum set point	US	20.0	0.0	150.0	°C	
	4	Output delay at power on	odS	0	0	255	min	
	5	Anti-short cycle delay	Ac	1	0	30	min	
	6	Fast freezing duration	cct	00:00				
	7	Compressor ON with faulty probe	con	15	0	255	min	
	8	Compressor OFF with faulty probe	coF	30	0	255	min	
	9	Measuring unit	cF	°C				
	10	Resolution	rES	de				
	11	Local display	Lod	P1				
	12	Defrost type	tdF	rE				
	13	Defrost mode : RTC, interval, Smart-def	EdF	in				
	14	Set point for smart defrost	SdF	0	-30	30	°C	
	15	Defrost stop temperature 1st evaporator	dtE	10.0	-50.0	150.0	°C	

c. XLS-file format

d. WIZMATE (compresso in formato TAR) -file format

3.6.4.4 PARAMETER MAP IMPORT

Upload the parameter map from a previously saved backup. The operation can load the map file, or from the same XWEB-EVO

Lo	ad parameters file			
	Media devices to be checked			
Г	Upload parameter file			
10:((37	Choose File		🖸 Upload	:20 703
	No file	chosen		
	P Find	8	Exit	
100				_

3.6.5 ALARMS DESKTOP

The "Alarms" desktop enables the user to visualise the list of all controller network alarms detected by the system.

On the initial access, the alarm list appears with the following default that can be subsequently changed by the user:

vices Snapshot	Alarms Log									
	Alarm Filter Level: All	Categor	y: All	Time Filter ⊚ Last <mark>3</mark> Days		User Note Users: A	u 🔽			
	Device Filter Typology: All	Device:	All	From 15/04/2013	12:01	User Noti Users: A	fication Filter			oply
	Alarms List			To 18/04/2013	12:01					
	Code 🗢	Name	Category	Start	End	Duration	Terminated I	Device Name	A data N	A NTE
	42	Open Door	Default	18/04/13 20:11:59	ACTIVE	Duration	rerminated t	New_XR170C		
	41	Open Door	Default		18/04/13 20:11:21	0d/00h/02m/	SELF	New_XR170C		
	40	Open Door	Default		18/04/13 20:07:59		SELF	New_XR170C		
	39	Open Door	Default	18/04/13 20:05:41	18/04/13 20:06:30	0d/00h/00m/	SELF	New_XR170C	RS1-005	
	38	NoLink	Default	18/04/13 20:04:53	18/04/13 20:05:37	0d/00h/00m/	SELF	New_XR170C	RS1-005	
		Open Door	Default	18/04/13 20:04:18	18/04/13 20:04:51	0d/00h/00m/	SELF	New_XR170C		
	36	Error Pb2	Default		18/04/13 20:04:17		SELF	New_XR170C		
		Open Door	Default	18/04/13 20:02:33			SELF	New_XR170C		
	34 33	Open Door	Default Default		18/04/13 20:01:54 18/04/13 19:58:46		SELF	New_XR170C New_XR170C		
	33	High Value Pb1 Open Door	Default		18/04/13 19:36:46		SELF	New_XR170C		
	31	Open Door	Default		18/04/13 19:57:52		SELF	New_XR170C		
	20	Nolink	Dofault	19/04/12 10:55:10	19/04/12 10:57:05		CELE	Now VD170C	DE1 005	
	•			ne ve Pi	age 1 of 1 🛼 🖡				View 1	• 42 of 42
rt	Alarm Detail								_	
	Notes:					Notifications:				
	User Name	Date-Time		Note		User Name (Date-T	Ime	As	Media
	Admin	18/04/13 12:04:0	20	New Note: this is a test note						
	Admin	18/04/13 12:04:0		this is a test note						
	٠ [111					-	Þ

3.6.5.1 ALARM DISPLAY FILTER

The user may use filters to

- Level. To visualise only the alarms notified to a specific level. For example 'Service';
- **Alarm-category**. To visualise only the alarms configured with a given category. For example "Serious alarm";
- Device type (group). To visualise only the alarms generated by a group of devices. For example "BT".
- Device name. To visualise only the alarms generated by a given device. For example 'RS2-005 New_XW90T';
- **Alarm start period**. To visualise only the alarms detected starting from a given period. For example "last 10 days" or "day/y";
- Note. To visualise only the alarms with a note entered into the system by a given user.
- Notification. To visualise only the alarms notified to a specific user.

Each time the filter is modified, press "Apply" to update the page. The alarm list is generated providing the user with the following information:

Code 🗢	Name	Category	Start	End	Duration	Terminated B	Device Name	Addr.	Not	NT
28	Open Door	Default	18/04/13 19:51:01	18/04/13 19:54:18	0d/00h/03m/	SELF	New_XR170C	RS1-005	٠	
29	Open Door	Default	18/04/13 19:54:51	18/04/13 19:55:07	0d/00h/00m/	SELF	New_XR170C	RS1-005		
30	NoLink	Default	18/04/13 19:55:10	18/04/13 19:57:05	0d/00h/01m/	SELF	New_XR170C	RS1-005		
31	Open Door	Default	18/04/13 19:57:02	18/04/13 19:57:52	0d/00h/00m/	SELF	New_XR170C	RS1-005		
32	Open Door	Default	18/04/13 19:57:58	18/04/13 20:00:21	0d/00h/02m/	SELF	New_XR170C	RS1-005		
33	High Value Pb1	Default	18/04/13 19:58:24	18/04/13 19:58:46	0d/00h/00m/	SELF	New_XR170C	RS1-005		

- Code: univocal alarm ID code. This code corresponds to a precise alarm detected at a precise moment.
- Name: alarm name
- Category: alarm category
- **Start**: date/time when the system detected the alarm. The time delay that may have been configured for managing the same alarm is not considered.
- **End**: date/time when the system detected the alarm reset. Information available only for the resetting of alarms: or ACTIVE if still active.
- **Duration:** duration of alarm. Information available only for the resetting of alarms.
- Terminated By: alarm reset.

• "SELF": ALARM RESET INDICATED BY CONTROLLER.

• "NO LINK": ALARM RESET DUE TO FAILED COMMUNICATION BETWEEN THE XWEBEVO AND THE CONTROLLER;

• "SYS STOP": ALARM RESET DUE TO THE INTERRUPTION OF ACQUISITIONS BY THE CONTROLLERS;

• "CONF CHANGE": ALARM RESET FOR ALARM CONFIGURATION CHANGE.

- Device Name: name of device to which the alarm refers.
- Addr.: address of device to which the alarm refers.
- Not: alarm to which notes have been assigned.
- **NTI**: alarm from which notifications were sent.

Usually the data in the table is displayed according to the "Code" value. The primary sort column can be changed by selecting it clicking on the heading; in this case, "Code" will be used as a secondary sort index. Code as primary sorting column:

							-			
Code ≑	Name	Category	Start	End	Duration	Terminated B	Device Name	Addr.	Not	NT
97	Open Door	Default	18/04/13 22:13:22	ACTIVE			New_XR170C	RS1-007		
96	Open Door	Default	18/04/13 22:13:22	ACTIVE			New_XR170C	RS1-005		
95	Open Door	Default	18/04/13 22:13:11	ACTIVE			New_XR570C	RS1-002		
94	EEPROM Failure	Default	18/04/13 22:09:28	18/04/13 22:10:01	0d/00h/00m/:	SELF	New_XR170C	RS1-005		
93	External Alarm	Default	18/04/13 22:09:27	18/04/13 22:10:00	0d/00h/00m/:	SELF	New_XR170C	RS1-005		
92	Open Door	Default	18/04/13 22:09:04	18/04/13 22:11:15	0d/00h/02m/	SYS STOP	New XR170C	RS1-005		
	as primary			18/04/13 22:11:15	0d/00h/02m/	SYS STOP	New XR170C	RS1-005		
				18/04/13 22:11:15	0d/00h/02m/	SYS STOP	New XR170C	RS1-005		
ame				18/04/13 22:11:15	0d/00h/02m/	SYS STOP			Not	b N
ame	as primary	sorting co	olumn:	End	Duration	Terminated B		Addr.		N
ame Irms List Code	as primary	sorting co	olumn:	End 18/04/13 20:38:19	Duration	Terminated I	Device Name	Addr.	5	b N
ame Irms List Code 56	AS primary	Sorting co Category Default	Start 18/04/13 20:37:40	End 18/04/13 20:38:19 18/04/13 22:10:01	Duration 0d/00h/00m/ 0d/00h/00m/	Terminated B /: SELF /: SELF	Device Name New_XR170C	Addr. R51-00 R51-00	ō ō	
ame arms List Code 56 94	AS primary	Category Default Default	Start 18/04/13 20:37:40 18/04/13 22:09:28	End 18/04/13 20:38:19 18/04/13 22:10:01	Duration 0d/00h/00m/ 0d/00h/00m/ 0d/00h/00m/	Terminated E SELF SELF SELF	Device Name New_XR170C New_XR170C	Addr. R51-00 R51-00 R51-00	5 5 5	

3.6.5.2 ALARM LIST EXPORT

Press to save the Excel file containing the alarm table onto your PC. Example as per the following image:

6		a 19 - (1 -) =					alarmsLog-e	xport-2013 09 2	9 151900-2013 1	10 03 151900.xls [Compatibility Mode] - Microsoft Excel		_
	9	Home Insert	Page Layou	t Formulas	Data	Review View D	eveloper					
	5		rial	- 10 - A	A"	= = >-	Wrap Text	General	-	Normal Bad Good		-
P		a Copy Format Painter	B / U		<u>A</u> - =	.	Merge & Center •	- % · %	Conditional	al Format as Neutral Calculation Check Ce	ll 📮 In	nsert
1	Clip	board 🖗		Font	5	Alignment	6	Number	16	Styles		
		J7 🔻	(*	fx lucapic	(01/10/2	013 11:25:48) NEW	ALARM, EMAIL, OK	[first level]				_
	A	В	C	D	E	F	G	Н	1	J	K	
1	Code	Device Name	Addr.	Name	Category	Start	End	Duration	Terminated By	Notifications:	Notes:	2
2	1170	New_XC1008D	RS1-040	NoLink	Default	01/10/2013 11:52:58	18/10/2013 16:20:44	17d/4h/27m/46s	SYS STOP	Iucagmail (01/10/2013 11:53:01) NEW ALARM, EMAIL OK (first la lucapic (01/10/2013 11:53:01) NEW ALARM, EMAIL OK (first la lucapic (01/10/2013 11:53:01) NEW ALARM, EMAIL, OK (first la lucapic (01/10/2013 11:53:02) NEW ALARM, EMAIL, OK (first la	evel] evel]	
3	1169	New_ENERG.ANAL	RS1-030	NoLink	Default	01/10/2013 11:52:58	18/10/2013 16:20:44	17d/4h/27m/46s	SYS STOP	lucagmail (01/10/2013 11:52:59) NEW ALARM,EMAIL.OK [first lucapic (01/10/2013 11:53:00) NEW ALARM.EMAIL.OK [first le lucapic (01/10/2013 11:53:00) NEW ALARM.EMAIL.OK [first le lucapic (01/10/2013 11:53:01) NEW ALAR	evel] evel]	
4	1168	New_XR170Cxxxx	RS1-007	Low Value Pb1	Default	01/10/2013 11:48:47	18/10/2013 16:20:44	17d/4h/31m/57s	SYS STOP	lucagmail (01/10/2013 11:48:48) NEW ALARM,EMAIL,OK [first l lucapic (01/10/2013 11:48:48) NEW ALARM,EMAIL,OK [first le lucapic (01/10/2013 11:48:49) NEW ALARM,EMAIL,OK [first le lucapic (01/10/2013 11:48:49) NEW ALARM,EMAIL,OK [first le	evel] evel]	
	1167	New_XR170Cxxxx	RS1-007	Low Value Pb1	Default	01/10/2013 11:44:30	01/10/2013 11:47:40	0d/0h/3m/10s	SYS STOP	Iucapic (01/10/2013 11 44 32) NEW ALARM EMAIL OK [Inst le Iucapic (01/10/2013 11 44 32) NEW ALARM EMAIL OK [Inst le Iucapic (01/10/2013 11 44 32) NEW ALARM EMAIL OK [Inst le provente (01/10/2013 11 44 33) NEW ALARM	evel] evel] evel] level]	

3.6.5.3 DISPLAY ALARM DETAILS

By clicking on an alarm, the page is updated with new detailed information on the alarm that has just been selected. The "Alarm Detail" section containing the list of notes and the list of users notified of the alarm is updated.

3.6.5.4 READ/WRITE ALARM NOTES

Notes can be added by clicking on "New note:" from the detail of the alarm notes and, in particular, from the "Notes" section.

Alarm Detail Notes:			
User Name	Date-Time 🗧	Note	
_	_	New Note:	
	1		_
	I Date-Time 🕏	Note	
Alarm Detail Notes: User Namı		Note another note	
Notes:			

To save the note, click on the grey area of the same line. To delete the note, click on the bin icon next to the text of the note.

3.6.5.5 CHECK OF ALARM NOTIFICATIONS

The alarm conditions are normally notified to users of levels for which the alarm is configured. If the alarm persists, the XWEB-EVO system continues to run the notifications. They are recorded in the system and accessible through the "Notifications" section as demonstrated below.

User Name :	Date-Time	As	Media	Status	Level
service	17/06/13 15:00:45	NEW ALARM	EMAIL	OK	service
service	17/06/13 15:03:54	NEW ALARM	EMAIL	OK	service
service	17/06/13 15:05:04	NEW ALARM	EMAIL	OK	director

3.6.6 DESKTOP SYSTEM LOGS

The "System Logs" desktop enables the user to visualise a list of events describing the most significant actions executed by the system and by the users accessing it.

stem Log								
Filter		Apply						
ast 3 Days		Clear Filters						
rom 15/04/2013 14:50		Export to File						
18/04/2013 14:50								
Date/Time	User	IP Address		Level	Context		Event	_
	All	▼ All	•	All	All			
18/04/2013 22:59:11	Admin	10.100.80.167		info	xwebwm	in the second second	Login	
18/04/2013 22:58:18	xwsrv	127.0.0.1		info	service		Email send success	
18/04/2013 22:58:18	xwaim	127.0.0.1		info	alarm		Make email service	
18/04/2013 22:57:49	xwalm	127.0.0.1		info	alarm		Make email service	
18/04/2013 22:57:49	xwsrv	127.0.0.1		info	service		Email send success	
18/04/2013 22:54:10	XWSIV	127.0.0.1		info	service		Email send success	
18/04/2013 22:54:10	xwaim	127.0.0.1		info	alarm		Make email service	
18/04/2013 22:53:27	xwsrv	127.0.0.1		info	service		Email send success	
18/04/2013 22:53:27	xwalm	127.0.0.1		info	alarm		Make email service	
18/04/2013 22:50:00	xwalm	127.0.0.1		info	alorm		Make email service	
18/04/2013 22:49:59	XWSIV	127.0.0.1		info	service		Email send success	
18/04/2013 22:49:05	XWSIV	127.0.0.1		info	service		Email send success	
18/04/2013 22:49:05	xwalm	127.0.0.1		info	alarm		Make email service	
18/04/2013 22:48:50	XWSFV	127.0.0.1		info	service		Email send success	
18/04/2013 22:48:50	xwalm	127.0.0.1		info	alarm		Make email service	
18/04/2013 22:48:48	xwalm	127.0.0.1		info	alarm		Make email service	
18/04/2013 22:48:48	XWSFV	127.0.0.1		info	service		Email send success	
18/04/2013 22:48:10	XWSFV	127.0.0.1		info	service		Email send success	
18/04/2013 22:48:10	xwaim	127.0.0.1		info	alarm		Make email service	
18/04/2013 22:47:57	xwsrv	127.0.0.1		info	service		Email send success	
18/04/2013 22:47:57	xwaim	127.0.0.1		info	alarm		Make email service	
18/04/2013 22:46:41	xwalm	127.0.0.1		info	alarm		Make email service	
18/04/2013 22:46:41	xwsrv	127.0.0.1		info	service		Email send success	
18/04/2013 22:45:48	XWSFV	127.0.0.1		info	service		Email send success	
								- F
				Page 1 of 2 ++ ++			View t	- 100 of 11

On initial access, the system shows the list of all the events that have taken place in the last three days. The user can choose to apply different filters on the display.

- Period: setting the period to be considered and analysed
- User: to view the events of all users or of just one in particular
- *IP address*: to view the events whose source is a determined IP address. The address "127.0.0.1" corresponds to the address of an event generated by the same XWEBEVO system
- Level: to view the events of all levels or of just one in particular
- Context: to view the events of all contexts or of just one in particular

3.6.6.1 SYSTEM LOG EXPORT

The user accessing the page can export the table in an Excel file by clicking on "Export to File". The browser downloads an XLS file which, once opened, will appear as shown below:

	→ □				systemLog-exp	ort-20130417150752-20130419150752.xls [Compatibility Mode] - Microsoft Excel
8	Home Insert	Page Layout	Formulas Data	Review V	iew Developer	
	A1 👻	(•	f_{x}			
	А	В	С	D	E	F
1]			System Name:	Xweb EVO
2					System Description:	XWEB EVO
3					Export Date/Time:	18/04/2013 23:16:55
4						
5	Date/Time	User	IP Address	Level	Context	Event
6	18/04/2013 18:04:57	Admin	10.100.80.167	info	Devices program	Read parameters (RS1-002 New_XR570C (XR570C))
7	18/04/2013 18:05:36	Admin	10.100.80.167	info	Devices program	Read parameters (RS1-002 New_XR570C (XR570C))
8	18/04/2013 18:09:31	Admin	10.100.80.167	info	Devices program	Read parameters (RS1-002 New_XR570C (XR570C))
9	18/04/2013 18:18:28	Admin	10.100.80.167	info	Devices program	Read parameters (RS1-002 New_XR570C (XR570C))
10	18/04/2013 19:40:11	Admin	10.100.80.167	info	Devices program	Read parameters (RS1-003 New_XR70CX (XR70CX))
11	18/04/2013 20:10:30	Admin	10.100.80.167	info	Devices program	Read parameters (RS1-002 New_XR570C (XR570C))
12	18/04/2013 22:13:57	xwalm	127.0.0.1	info	alarm	Make email service
13	18/04/2013 22:14:09	xwalm	127.0.0.1	info	alarm	Make email service
14	18/04/2013 22:14:12	xwalm	127.0.0.1	info	alarm	Make email service
15	18/04/2013 22:17:33	xwalm	127.0.0.1	info	alarm	Make email service
16	18/04/2013 22:17:59	xwalm	127.0.0.1	info	alarm	Make email service
17	18/04/2013 22:20:37	xwalm	127.0.0.1	info	alarm	Make email service

3.6.7 DESKTOP CONSUMPTIONS

Desktop 'Consumptions' offers the user the display of consumption data for a set of analyzers.

Supported:	
Analyzer	Library name in XWEB EVO
Carlo Gavazzi EM21	EM21
Carlo Gavazzi EM23	EM23
Carlo Gavazzi EM24	EM24
Carlo Gavazzi EM26	EM26
Carlo Gavazzi EM100	EM100
Carlo Gavazzi EM210	EM210
Carlo Gavazzi EM271	EM271
Carlo Gavazzi VM14	WM14
Carlo Gavazzi VM22	WM22
ERVATECH E-93	E93
Emerson Energy Meter	EEM

By configuring xweb with one of the supported devices, it is possible to log on to the "Consumptions Analyzer" by click





To configure the desktop, you must:

- 1. *variables to display*; available options:
 - a. manual variables selection: clicking on select Variables the User can choose from the pool of available variables granted by supported devices. This list depends by variables configured for "DeviceSetup->DeviceView"

- Unselect All			P	
RS1-010 New_EM21 (2 s	elected)		(900
A_L1	Hz	KWh(+)TOT	PF_L1	
PF_Sum	PH_Seq	VAR_L1	VAR_Sum	
VA_L1	VA_Sum	V_L-L_Sum	V_L-N_Sum	
V_L1-L2	V_L1-N	W_L1	W_Sum	
kWh(-)TOT	kvarh(+)TOT			
RS1-011 New_EM23 (1 s	elected)		(-+@
A L1	🗖 A L2	🗖 A L3	🔲 KWh(+) PAR	
KWh(+) TOT	Phase sequence	🔲 Total Power	🔲 V L1-L2	
V L1-N	🔲 V L2-L3	🔲 V L2-N	🔲 V L3-L1	
V L3-N				

- b. automatic variables selection: clicking on Automatic Configuration the system selects accumulation variables. This list depends by variables configured for "DeviceSetup→DeviceView"
- 2. *time frame* for visualization; available options:
 - a. last 24 hours
 - b. last 7 days
 - c. last 4 weeks
 - d. last 12 months
 - e. last 3 years
 - f. Custom; from/to
- 3. visualization grouping; available options:
 - a. Group; to represent each variable besides one another



b. Stack; to represent each bar cumulating variables

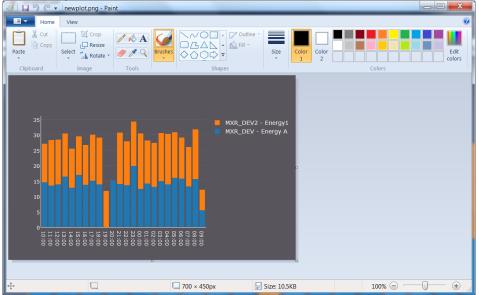


- 4. colors; available options:
 - a. Random Colors; to print bars with random colors
 - b. Chart defaults; to print bars with the same color used for DeviceSetup→Advanced→Chart default color

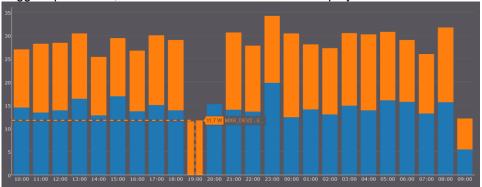
the chart is displayed with an action bar to:



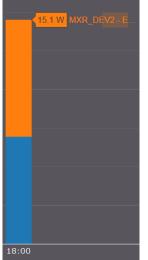
1. Download plot as PNG; download chart as PNG file



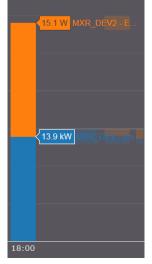
2. Toggle Spike Lines; Add / remove the reference line display with the axis Y



3. Show closest data on hover; Only displays the data of the bar selected by the mouse; (Mutually exclusive with option 4)



4. Compare data on hover; Displays all data in the selected period from the mouse (mutually exclusive with option 3)



3.7 SYSTEM ACCESS WITH PDA/SMARTPHONE

Open the browser of your PDA and enter the IP address of XWEB with the following syntax http: // <IP> /xwebmobile/index.html

This will open the configuration page to sites with access PDA



Add your site (or sites) by pressing the (+) and please indicate name and IP address.



When you have completed the configuration of the sites, access them by clicking on the desired site.



Going to access the site, you will be presented with the login page. Enter Username / Password the user with whom you want access to EVO. If the machine has active alarms, it appears in the lower right icon red alarm signaling.



Upon entering, you are presented with the menu page navigation



1. Pressing on Devices, displays a list of the first device configured variables. If you wish to change their device, select it from the drop-down menu

Cerco ♀ 14:24 10.100.81.	ロクロン 208 C	Cerco 穼	14:23 10.100.81.208	ت ح
< Milan00)1	<	Milan001	
Analog Evaporator (Pb2	-7.0 °C	RS1-002 No Enabled Po	ew_XR170C ints	, ,
Room (Pb1)	-10.8 °C	Setpoint		Fine
State On	ON			Fille
Alarms		No Grou RS1-	001 New_XR570C	
Open Door Inputs	ON		002 New_XR170C	
< > 1			004 New_XR70CX	

2. Pressing on Alarms displays the page for displaying alarms



Pressing APPLY confirmed display filters and you will be presented the alarm list



Pressing on a specific alarm opens the detail page on the same alarm

Cerco 穼	14:31						
10.1	100.81.208 C						
< Milan001							
RS1-002 New_XR170C							
Alarm	Open Door						
Category	Default						
Start	30/04/15 11:10:50						
End	ACTIVE						
Terminated By	-						
Note	-						
Notifications	Level0 (1)						
< >							

For all pages presented above you you can navigate to the previous page by clicking the back arrow in the upper left (<).

4. TRADEMARKS

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Yahoo! is a registered trademark of Yahoo! Inc.

Linux is a trademark registered to Linus Torvalds.

Other names may be trademarks of their respective owners.

5. ACCESSORIES

TYPE	DESCRIPTION	NAME	HOW TO ORDER
	Serial analogue modem,		XWEBMODEM-200 24Vac
MODEM	compatible PDA, 56kbps.	XWEB MODEM	XWEBMODEM-400 110Vac
			XWEBMODEM-500 230Vac
MODEM	Serial GSM modem, only to send SMS – for 2G networks inly	TC35-KIT	TC35-KIT
MODEM	GSM serial modem, only for SMS – Tri Band UMTS/HSPA+ (EMEA, APAC and Brasil)	GT-HE910-EUD- KIT	GT-HE910-EUD KIT
MODEM	GSM serial modem, only for SMS – GPRS/UMTS (North America)	GT-HE910-NAD- KIT	GT-HE910-NAD KIT
CABLE	Compatible network cable, 3m	###	CAB/WEB/NET
CABLE	Compatible crossed network cable, 1m	###	CAB/WEB/PC

6. FAQS

6.1 MAINTENANCE PROCEDURE FOR 300/500 MODELS

In case you need to disconnect XWEBEVO to move it or to make cleaning, remember that it should not be opened for any reason, under penalty of immediate termination of the warranty. Please follow the following procedure by observing the shape of the rear panel as per the installation manual. The same is provided in the package and in electronic form on the website Dixell to the 'manual'.

Unplug the external modem if present;

Disconnect the telephone line and / or LAN cable;

Disconnect terminals RS485, relays and digital inputs;

Now you can unplug the power cord and move XWEB;

6.2 MAINTENANCE PROCEDURE FOR 3000/5000 MODELS

Should it be necessary to disconnect the XWEBEVO to move it or for cleaning purposes, remember that it should not be opened for any reason, or the warranty will be deemed invalid. Follow the procedure below, observing the rear panel figure as per the installation manual. The same is provided in paper form in the package and in electronic form on the Dixell website, under section "Manuals".

Press and quickly release the on/off power button (2);

Wait for all LEDs on the front to go off, including the PWR;

Disconnect external modem, if present (7);

Disconnect parallel printer or USB (6);

Disconnect monitor, keyboard and mouse (5);

Disconnect the telephone line and/or LAN network cable(4);

Disconnect RS485 terminals, relay and digital input (3)

Now disconnect the power supply cable (1) and move the XWEB;



Press and hold button (2) to force the instant switch-off of the system. When switch-off occurs in this way, the XWEB records the event, but cannot guarantee the correct data maintenance. The same applies for "forced" switch-offs which occur when the power supply cable is disconnected before the system is switched off.

6.3 I CANNOT ACCESS THE SYSTEM WITH MY PASSWORD

Check upper and lower case. The XWEB-EVO system is sensitive to the letter case.

6.4 MY BROWSER CANNOT REACH THE XWEB-EVO

Check the cables in use starting from that connected to your PC's network. Once the cables have been checked, check that the XWEB-EVO IP address can be reached: run the PING command from the command line to verify the correct routing of the packs on the network.

Example:

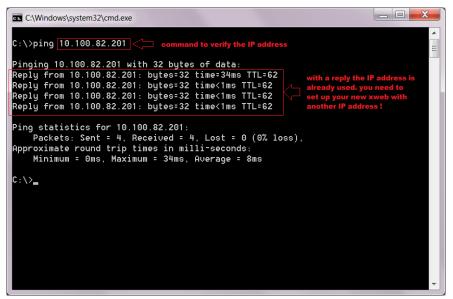


Figure 1

If no reply is received, your PC is unable to communicate with the XWEB-EVO. Check the cables once again or contact your network administrator. Attention, if a reply is received, it may not come from the XWEB-EVO: it may come from another device on the network. Also in this case, should you continue to have difficulties accessing via your browser, contact your network administrator for advice.

6.5 DISPLAYING OF INCOMPLETE OR INCORRECT PAGES FROM PC

The temporary browser or JAVA files, also known by the name cache-files, may sometimes prevent proper use of the XWEB-EVO. This happens when, for example, an XWEB-EVO is replaced and is accessed remotely using the same web address.

To solve this problem, delete these temporary files from your computer. Their deletion may vary depending on your operating system and its settings. Refer to your PC documentation and/or obtain the support of a computer expert or your network administrator.

• Below, the procedure for removing the cache from INTERNET EXPLORER 9:

Print File	*	General Security Privacy Content Connections Programs Advanced Home page To create home page tabs, type each address on its own line. Delete Browsing H	Part Andrew
Zoom (125%) Safety	> >	http://www.bing.com/PC=BNHP	prites website data nd temporary Internet files that enable your fa ain preferences and display faster.
View downloads Manage add-ons F12 developer tools Go to pinned sites	Ctrl+J	Delete temporary files, history, cookies, saved passwords, and web form information.	ages, images, and media that are saved for
Internet options About Internet Explorer		Settings Settings	your computer by websites to save preference formation. you have visited.
		Change search defaults. Settings Ust of files you Ust of files you	tory have downloaded.
		Change how webpages are displayed in Settings Settings Saved informat	ion that you have typed into forms.
			ds that are automatically filled in when you sig you've previously visited.
		A list of website	ing and Tracking Protection data es excluded from filtering, and data used by Tr tect where websites might be automatically sl uur visit.

Figure 2

• Below, the procedure for emptying the JAVA 1.6 cache:

click on Start button , click on Control Panel and then click on the JAVA icon. Click on "Settings" and "Delete Files..." (see figure below):

🖆 Java Control Panel 💼 📼 💌	
General Java Security Advanced	Temporary Files Settings
About View version information about Java Control Panel.	Keep temporary files on my computer
Network Settings Network settings are used when making Internet connections. By default, Java will use the network settings in your web browser. Only advanced users should modify these settings. Network Settings	Select the location where temporary files are kept: pierluigibudel\AppData\LocalLow\Sun\Java\Deployment\cache Change Disk Space Select the compression level for JAR files:
Temporary Internet Files Files you use in Java applications are stored in a special folder for quick execution later. Only advanced users should delete files or modify these settings. <u>Settings</u> <u>View</u> Show the OK Cancel Apply	Set the amount of disk space for storing temporary files: 32768 MB Qelete Files OK Cancel

Figure 3

6.6 SOMEONE HAS RECEIVED A CONFLICTING MESSAGE ON THE IP ADDRESS

This may mean that the XWEB-EVO is using an IP address that is also being engaged by another network resource. We recommend changing the XWB-EVO IP with a new, free address. If in doubt on which address to use, contact your network administrator.

6.7 HOW MANY CONTROLLERS CAN THE XWEB-EVO MANAGE

The XWB3000/5000EVO can manage two separate RS485 serial lines simultaneously, for each of which it can address up to a maximum of 247 controllers. Therefore it can address up to 494 controllers on serial 485 in a Modbus-RTU network.

The XWEB300/500EVO can handle one serial line only. XWEB300EVO can manage maximum 18 controllers and XWEB500EVO can manage maximum 100 controllers.

6.8 HOW THE ALARMS ARE MANAGED

The XWEB-EVO monitors the alarm statuses and notifies any variations according to a configuration that must be set by the user. The person configuring the XWEB-EVO must perform the following steps in order to obtain a complete configuration:

- 3. System. The XWEB-EVO system anticipates that all notifications to an external media source (e.g. an email server) are configured in the system settings. See chapter 3.4.3 SYSTEM CONFIGURATION in this manual.
- Book. All recipients of the alarm notifications must be recorded in the system and must have their Email/fax contact details, or other, configured. See chapter 3.4.5 - USER/BOOK CONFIGURATION in this manual
- Controllers It is necessary to define the controller network from which the XWEB-EVO will detect the alarm status of the same controllers. See chapter 3.4.4 - CONTROLLER CONFIGURATION in this manual
- 6. Alarms. It is necessary to define the rules according to which the detected alarms must be notified. See chapter 3.4.6 ALARM CONFIGURATION in this manual. The alarms are grouped into alarm-categories that define how the alarm must be treated and to whom and how they must be notified. This information is defined on levels (aka. delivery settings).

6.9 HOW ARE THE ALARM EMAILS RE-SENT

The XWEB-EVO is often installed to notify alarms via email. The configuration of this media anticipates all steps described in point 6.8 - HOW THE ALARMS ARE MANAGED.

This service can be configured in various ways to re-send emails, should the alarm conditions persist over time:

- 1. The first type of re-send is carried out during the lifespan of the level, where the emails are always re-sent to the same recipients. The parameters affecting this type of re-send are "Resend Time" and "Resend life time", in the level settings.
- the second type of re-send is carried out through means of an increasing notification level and the consequent notification being sent to a new group of recipients. The parameters affecting this type of re-send are the entry order in the levels in the category parameters (see image below) and the "Resend life time" in level settings.

Setting 1	Setting 2	Setting 3		Setting 4		Setting 5	
CustomerServicel 💌	SupermarketDire 💌	Select Setting	•	Select Setting	-	Select Setting	

3. the third type of re-send is carried out through means of an increasing notification interface and the consequent routing of email notifications on its media. This means that should the emails via the LAN interface fail to send, it is possible to manage their re-sending via a DIAL-UP (modem). The parameters affecting this type of notification are illustrated in the following image taken from the System configuration parameter email section.

Dialup	Authentication password:	
Email	Default forward service:	Forward trough LAN
Sms service	Maximum retry:	10
Printers	Retry delay (minutes):	10
Xcenter	On error forward service:	Forward trough DIALUP
Aux outputs	Maximum retry:	150 🚊
Updates	Retry delay (minutes):	10
opdates	Destination test email address:	

6.10 TABLET COMPATIBILITY

The XWEB-EVO user interface is normally accessible via tablet web browsers; in particular, the pages in the DESKTOPS menu. The HTML pages are re-sized according to the size of the screen.



The machine configuration pages as well as some others are an exception and are not compatible:

- Menu→Tools→Compressor Rack Optimiser (for XWEB500/5000 models only)
- Menu→Tools→Performance Manager (for XWEB500D/500/5000 models only)
- Menu→Tools→Dew-Point Manager (for XWEB5000 models only)
- Menu→Tools→Supervisor System (for XWEB5000 models only)

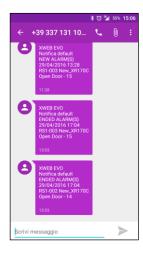
A browser error may appear for the above pages

"Your browser understands the <APPLET> tag but is not running the applet for some reason." Your browser is completely ignoring the <APPLET> tag!

indicates that it is not possible for the tablet to open the page in question.

6.11 HOW ARE DISPLAYED ON THE NOTIFICATION SMS ALERT

XWEB EVO when it detects an alarm from the network tools, if configured to send SMS notifications with the following format (example):



reporting information of:

- Name XWEB
- Name notification level
- Type START / END alarm
- DATE / TIME Event
- Name Tool
- Name Alert
- Unique ID alarm as in the Log Alarms XWEB

6.12 MODEM ERROR MESSAGES

In the "system log" associated to the message "Error sending SMS" there is an error code visible with the mouse hover on the message itself.

+Send message using phisical device GSM connected to the phisical serial device

+-----+1 => (GSM) Unable to get evo model from xwebconfig.json

+2 => (GSM) No gsm support configured

+3 => (GSM) Unknown modem specified (internal/external)

+4 => (GSM) Waiting registration to the network: Error write command to device modem.

+5 => (GSM) Timeout network registration.

+6 => (GSM) Error exec fork() to run xwgsmsms module.

+7 => (GSM) Timeout waiting end xwgsmsms module (20 Seconds).

+8 => (GSM) Child xwgsmsms module dead itself.

+9 => (GSM) nu.

+10=> (GSM) [xwgsmsms] => Invalid parameters passed

+11=> (GSM) [xwgsmsms] => No destination number or device specified.

+12=> (GSM) [xwgsmsms] => No SMS text provided.

+13=> (GSM) [xwgsmsms] => Unable to open device modem.

+14=> (GSM) [xwgsmsms] => Error on read modem received messages.

+15=> (GSM) [xwgsmsms] => [send parth message] => Error init modem.

+16=> (GSM) [xwgsmsms] => [send parth message] => Error reinit modem after try send message.

+17=> (GSM) [xwgsmsms] => [send parth message] => Error send sms rich last retry.

+Send message using phisical device RAVEN connected to the network

+-----

+30=> (RAVEN) Generic error.

+31=> (RAVEN) Port selected out of range.

+32=> (RAVEN) Timeout waiting socket raven respons.

+33=> (RAVEN) Error send socket data to raven.

+34=> (RAVEN) Connect error to raved network device.

+35=> (RAVEN) Error on set socket options.

+36=> (RAVEN) Error create socket.

+37...=> (RAVEN) Error received from raven (trught socket). Raven result = THIS_VALUE - 37

+Send message using network gateway netech.it

+50=> (NETECH) Error on provided 'dest number' or 'dest message' or 'service code subscription'

+51=> (NETECH) Can't resolve the gateway address.

+52=> (NETECH) Error on create socket.

+53=> (NETECH) Error on set socket options.

+-----

+54=> (NETECH) Error connect to netech server.

+55=> (NETECH) Error write socket data (to the netech server).

+56=> (NETECH) Error receive response data from the server.

+57=> (NETECH) The netech server report a error on request send sms (subscription expired/invalid ?).

+58=> (NETECH) The netech server have close the connection.

+Send message using network gateway soap

+-----

+70=> (SOAP) Error encoding message (EncodeKr).

+71=> (SOAP) Send message to the gateway.

+75...=> (SOAP) Error reported by SOAP gateway. Soap result = THIS_VALUE - 75

