

ProAct™ RMM-W Modem

Global monitoring solution for refrigerated containers



- Install and forget, no need for battery replacement
- Designed to fit into every reefer in the market today
- Available either as a standalone modem, or in co-operation with an RMM powerline modem (ISO10368) for true end to end connectivity
- Ability to download reefer log-files remotely
- Supports remote flash-load of reefer controller (Thermo King, Star Cool and Daikin)

Description

The ProAct™ RMM-W modem is a cellular remote communication device designed for the global refrigerated marine container market.

Refrigerated containers equipped with RMM-W modems are able to send operational data, including alarms and temperature history to ProAct™ Transport. With two way communication functionality, the RMM-W modem can also receive commands, allowing users the ability to manage various reefer functions remotely, such as changing set-points and initiating defrost.

Downloading logs from a reefer is often a time consuming and costly task, requiring manual intervention from onsite personnel. With the RMM-W it's possible to extract the log from the controller and remotely download the data file from any computer. In addition to reducing operational costs, remote download functionality offers the users the resource to expedite clearance times with USDA and other authorities, ensuring the fastest time to market for perishable commodities.

Controller software is a key performance driver for power consumption and reliability of your reefer asset. RMM-W lets you update the software remotely with a push of a button, minimizing the high labour costs attributed to manual updating software versions in the field.

Emerson's RMM-W modems are fitted with a Global Navigation Satellite System (GNSS) for the best around the world coverage. Accurate positioning and tracking information ensures visibility of your assets, valuable information in the event of claims, managing ETA's and monitoring current locations.

To maintain a continuous positioning data stream, even when the reefer is off-power, the RMM-W has been fitted with a High-end lithium ion battery. Advanced algorithms give up to 280 days standby time on one charge, with the enhanced battery pack. The standby time with a 10 old modem is approx. 220 days.

ProAct Transport Map:



RMM-W Standalone

As a standalone modem, the RMM-W offers you a simple but effective single set-up with cellular connectivity and tracking of your reefer worldwide. A bracket system is included for a simple installation

RMM-W and RMM Combo

The RMM-W is designed to work together with an existing RMM powerline modem (ISO10368). Offering you the same features as standalone combination, but with added powerline communication for REFCON connectivity. RMM-W installation methods vary depending on the reefer manufacturer.

Retrofitting in the field

Retrofitting is made easy with either an RMM-W standalone or a combination solution. The modem comes with a simple installation system; plug and play wire harness, high end cellular and positioning antenna are all included in the same kit for easy management on site. Detailed installation guides are available online



Environmental Specifications::

| | |
|--------------------|---|
| Operation temp. | -30°C to +55°C |
| Humidity | Max 95%RH non-condensing |
| Ingress Protection | IP65 (when installed acc to instructions) |
| Shock | 20G operating 50G non-operating |
| Vibration | 5 - 500 Hz, 2g, 3 axes |

Physical dimensions

| | |
|--------|------------------------|
| Length | 216 mm |
| Width | 89 mm |
| Height | 36 mm |
| Weight | 303 g enhanced battery |

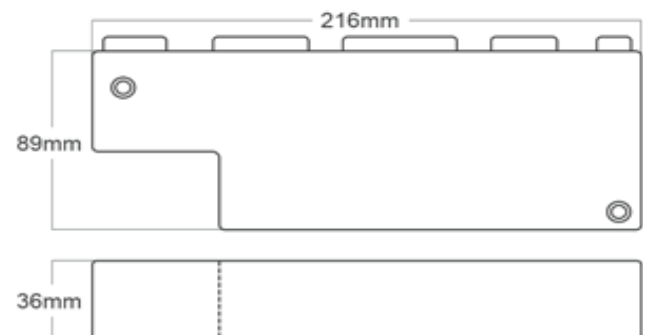


Electrical Specifications:

| | |
|----------------------|--|
| Power supply | 24Vac RMS + 10/-30% 10 - 37,3 Vdc |
| Rechargeable Battery | 4 V, 660 mAh w. enhanced battery pack |

Supported reefer Controllers

| | |
|-----------|---|
| Carrier | Microlink 2i Microlink 3 |
| Daikin | DECOS III (3), c, d, e, f, g, h, j DECOS V (5) |
| Star Cool | RCCU5 |



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