






GAS VALVES				REGULATOR SETTING (inches)	VOLTAGE	MODEL NUMBER	NATURAL GAS ADJUSTMENT RANGE (WC) (inches)	LP GAS ADJUSTMENT RANGE (WC) (inches)	LP CONVERSION KIT INCL.	REDUCER BUSHING KIT	INLET / OUTLET PRESSURE TAP	STANDING PILOT W/ LINE INTERRUPTER	HSI / DSI	INTERMITTENT / PROVEN PILOT	
STAGES / OPENING CHARACTERISTIC	PIPE SIZE (inches)	FLOW DIRECTION	SIDE TAPS												
<b>36C SERIES STANDING PILOT</b>															
1-Stage / Fast-Opening	3/4" x 3/4"	Straight Thru	No	3.5"	120 VAC	36C01A-405	2.5"-5"	4.2"-11"	Yes	Yes	No / Yes	Yes <sup>1</sup>	No	No	
1-Stage / Fast-Opening	1/2" X 3/4"	Straight Thru	No	3.5"	24 VAC 60 Hz	36C03-300	2.5"-5"	7.5"-12"	Yes		No / Yes	Yes	No	No	
1-Stage / Fast-Opening	1/2" X 3/4"	Straight Thru	Yes	3.5"	24 VAC 60 Hz	36C03-333	2.5"-5"	7.5"-12"	Yes		Yes / Yes	Yes	No	No	
1-Stage / Fast-Opening	3/4" x 3/4"	Straight Thru	No	3.5"	24 VAC 60 Hz	36C03-400	2.5"-5"	7.5"-12"	Yes		Yes / Yes	Yes	No	No	
1-Stage / Fast-Opening	3/4" x 3/4"	Straight Thru	Yes	3.5"	24 VAC 60 Hz	36C03-433	2.5"-5"	7.5"-12"	Yes		Yes / Yes	Yes	No	No	
1-Stage / Fast-Opening	3/4" x 3/4"	Straight Thru	No	3.5"	120 VAC 60 Hz	36C03A-410	2.5"-5"	7.5"-12"	Yes		No / Yes	Yes	No	No	
1-Stage / Fast-Opening	1/2" X 3/4"	Straight Thru	Yes	3.5"	750 mV	36C03U-333	2.5"-5"	7.5"-12"	Yes		Yes / Yes	Yes	No	No	
1-Stage / Fast-Opening	3/4" x 3/4"	Straight Thru	Yes	3.5"	750 mV	36C03U-433	2.5"-5"	7.5"-12"	Yes		Yes / Yes	Yes	No	No	
1-Stage / Slow-Opening	3/4" x 3/4"	Straight Thru	No	3.5"	24 VAC 60 Hz	36C53-418	2.5"-5"	7.5"-12"	No <sup>2</sup>		No / Yes	Yes	No	No	
<b>36H SERIES HSI / DSI, INTERMITTENT / PROVEN PILOT</b>															
1-Stage / Fast-Opening	1/2" X 1/2"	Straight Thru	No	3.5"	24 VAC 50/60 Hz	36H32-214	2.5"-5"	5"-12"	Yes	No	Yes / Yes	No	Yes	Yes	
1-Stage / Fast-Opening	1/2" X 3/4"	Straight Thru	No	3.5"	24 VAC 50/60 Hz	36H32-304	2.5"-5"	5"-12"	Yes	Yes	Yes / Yes	No	Yes	Yes	
1-Stage / Fast-Opening	3/4" X 3/4"	Straight Thru	No	3.5"		36H32-423	2.5"-5"	5"-12"	Yes	Yes	Yes / Yes	No	Yes	Yes	
1-Stage / Slow-Opening	3/4" X 3/4"	Straight Thru	No	3.5"		36H33-412	2.5"-5"	5"-12"	Yes	Yes	Yes / Yes	No	Yes	Yes	
2-Stage / Fast Opening	3/4" X 3/4"	Straight Thru	No	1.1" Low, 3.5" High		36H64-463	1"-3.5" Low, 2.5"-5" High	4"-9.5" Low, 6"-12" High	Yes	Yes	Yes / Yes	No	Yes	Yes	
2-Stage / Slow-Opening	3/4" X 3/4"	Straight Thru	No	1.1" Low, 3.5" High		36H65-401	1"-3.5" Low, 2.5"-5" High	4"-9.5" Low, 6"-12" High	Yes	Yes	Yes / Yes	No	Yes	Yes	
<b>36G, J SERIES HSI / DSI</b>															
1-Stage / Fast-Opening	1/2" X 1/2"	Straight Thru	No	3.5"	24 VAC 50/60 Hz	36G22-254	2.5"-5"	7"-12"	No <sup>3</sup>	No	Yes / Yes	No	Yes	No	
1-Stage / Fast-Opening	1/2" X 1/2"	Straight Thru	No	3.5"	24 VAC 50/60 Hz	36G33-500	2.5"-5"	7"-12"	Yes	No	Yes / Yes <sup>4</sup> / NPT & Towers	No	Yes	Yes	
1-Stage / Slow-Opening	1/2" X 1/2"	Straight Thru	No	3.5"	24 VAC 50/60 Hz	36G33-500	2.5"-5"	7"-12"	Yes	No	Yes / Yes <sup>4</sup> / NPT & Towers	No	Yes	Yes	
1-Stage / Fast-Opening	1/2" X 1/2"	Straight Thru	No	3.5"	24 VAC 50/60 Hz	36J22-214	2.5"-5"	7"-12"	Yes	Yes	Yes / Yes	No	Yes	No	
1-Stage / Fast-Opening	1/2" X 1/2"	Straight Thru	No	3.5"	24 VAC 50/60 Hz	36J22Y-212	2.5"-5"	7"-12"	Yes	No	Yes / Yes	No	Yes	No	
1-Stage / Slow-Opening	1/2" X 1/2"	Straight Thru	No	3.5"	24 VAC 50/60 Hz	36J24-214	2.5"-5"	7"-12"	Yes	Yes	Yes / Yes	No	Yes	No	
Modulating	1/2" X 1/2"	Straight Thru	No	3.5"	24 VAC 50/60 Hz	36J27-554	0.4"-4"	1.3"-11.5"	Yes	Yes	Yes / Yes	No	Yes	No	
2-Stage / Fast Opening		Straight Thru		1.5" Low, 3.5" High		36J54-214	1"-4" Low, 2"-5" High	4"-10" Low, 6"-12" High	Yes	Yes	Yes / Yes	No	Yes	No	
2-Stage / Slow-Opening		Straight Thru		1.5" Low, 3.5" High		36J55-214	1"-4" Low, 2"-5" High	4"-10" Low, 6"-12" High	Yes	Yes	Yes / Yes	No	Yes	No	
1-Stage / Slow-Opening		90° Bottom Outlet		3.5"		36J24-614	2.5"-5"	7"-12"	Yes	No	Yes / Yes	No	Yes	No	
2-Stage / Slow-Opening		90° Bottom Outlet		1.5" Low, 3.5" High		36J55-614	1"-4" Low, 2"-5" High	4"-10" Low, 6"-12" High	Yes	No	Yes / Yes	No	Yes	No	

<sup>1</sup> 36C01A-405 has pilot port but no thermocouple line interrupter. <sup>2</sup> 36C53-418 order F92-0659 Nat. to LP conversion kit for 7.5-12.0 range. <sup>3</sup> Use F92-0659 to convert to regulated L.P. gas. <sup>4</sup> To measure outlet pressure on valves, loosen outlet pressure tap screw one quarter turn and put manometer hose. <sup>5</sup> Goodman specific max regulation feature.




## WORK SMART

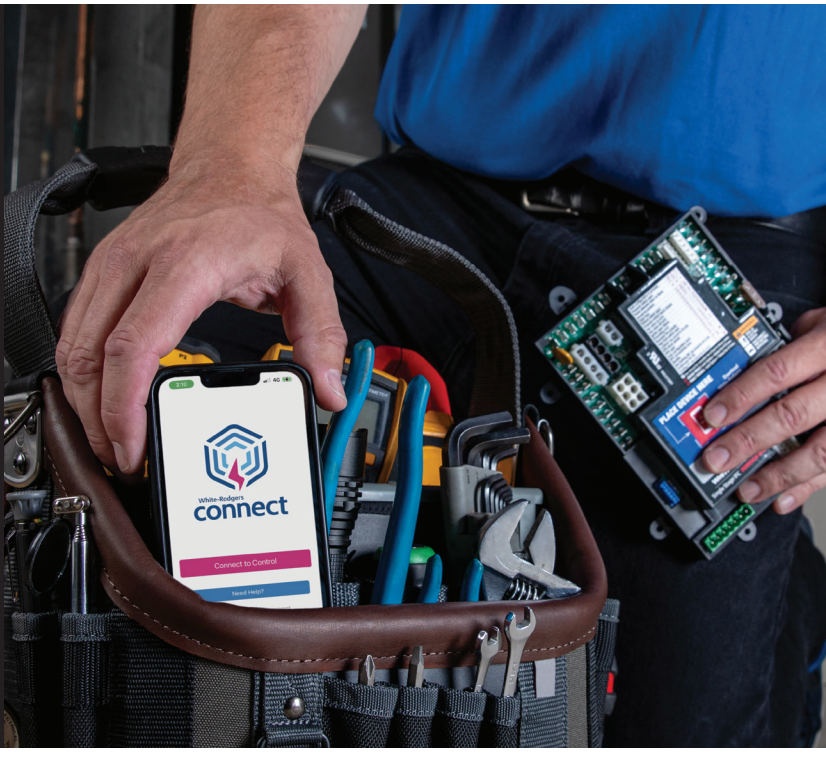
GET MORE DONE IN LESS TIME WITH THE WHITE-RODGERS CONNECT APP

Take the guesswork out of configuration and diagnostics for hundreds of service calls with the innovative White-Rodgers Connect app and universal heating controls.

No more fiddling with dipswitches, counting flashing LEDs, or looking up fault codes. White-Rodgers Connect is preloaded with OEM default settings to save you time on installation. With more cross references than any other supplier, you can carry less and replace more.



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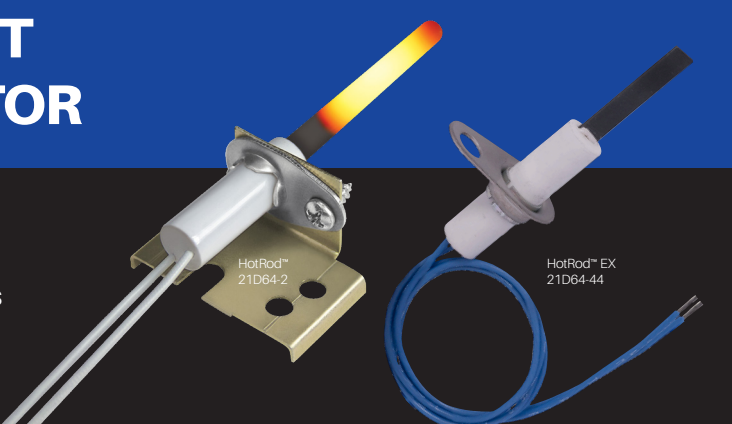
ELECTRONIC CONTROLS								CONTROL MOUNTING	BLOWER MOTOR SPEED TAPS	TSTAT INPUTS	IGNITOR OR ELECTRODE INCL.	TWINNING	MOUNTING BRACKET INCL.	WIRING ACCESSORIES INCL.	COMMUNICATING SYSTEM	AIR & COIL SENSORS INCL.	NUMBER OF MODELS CONTROL REPLACES
UNIV. OR OEM DIRECT REPL.	STAGES	CONTROL TYPE	IGN. TYPE	IGN. VOLTAGE	INDUCER MOTOR	BLOWER MOTOR	MODEL NUMBER										
<b>FURNACE CONTROLS</b>																	
Universal*	Single Stage	Int. Furn. Ctrl.	HSI	120V	PSC	PSC	50A55-843	Flush Mount	Heat, Cool	R, C, W, Y G		•					135
Universal*	Single Stage	Int. Furn. Ctrl.	HSI	80V	PSC	PSC	50A65-843	Flush Mount	Heat, Cool	R, C, W, Y G							38
Universal*	Single Stage	Int. Furn. Ctrl.	HSI	120V**	PSC	PSC / ECMx	50M56X-843	Flush Mount	Heat, Cool, Fan	R, C, W, Y G	•	•			WR Conn. App		550+
Universal*	Two-Stage	Int. Furn. Ctrl.	HSI	120V*	PSC	PSC	21M51U-843	Standoff	Lo/Hi Heat, Cool	R, C, W1, W2, YLo, Y, G	•	•					92
Universal*	Two-Stage	Int. Furn. Ctrl.	HSI	120V*	PSC	Var. Spd.	21V51U-843	Standoff	16-pin Intf.	R, B/C, W1, W2, YLo, Y, G, O, DHUM	•			•			59
Carrier	Single Stage	Int. Furn. Ctrl.	HSI	120V	PSC	PSC	50M56U-751	Cover	Heat, Cool, Fan	R, C, W, Y/Y2, Y1, G, DHUM		•		•			37
Carrier	Single Stage	Int. Furn. Ctrl.	HSI	120V	PSC	PSC	50M56D-751	Flush Mount	Heat, Cool, Fan	R, C, W, Y, G, DHUM	•			•			13
Carrier	Two-Stage	Int. Furn. Ctrl.	HSI	120V	PSC	PSC, Var. Spd., ECMx	21V51D-751	Tray	Lo/Hi Heat, Cool	R, COM 24V, WW1, W2, Y1, Y/Y2, G, DHUM		•					23
Goodman	Single Stage	Int. Furn. Ctrl.	HSI	120V	PSC	PSC	50A55-743	Standoff	Heat, Cool	R, C, W, Y G		•					15
Goodman	Single or Two-Stage	Int. Furn. Ctrl.	HSI	120V	PSC	PSC	50M56-743	Standoff	Lo/Hi Heat, Cool	R, C, W, Y G							11
Goodman	Single Stage	Int. Furn. Ctrl.	HSI	120V	PSC	PSC	50T35-743	Standoff	Heat, Cool	R, G, W		•		•			12
Goodman	Single Stage	Int. Furn. Ctrl.	HSI	120V	PSC	PSC	50M56-707	Standoff	Heat, Cool	R, C, W, Y, G		•					14
Goodman	Two-Stage	Int. Furn. Ctrl.	HSI	120V	PSC	ECMx	50M58-707	Standoff	6-wire Intf.	R,C,W1,W2,YLO,Y,G	•			•			10
Goodman	Two-Stage	Int. Furn. Ctrl.	HSI	120V	Var. Spd.	Var. Spd.	50C51-707	Standoff	4-wire Intf.	1, 2, R, C, W1, W2, Y1, Y2, G, O, DHUM					•		18
Lennox	Single Stage	Int. Furn. Ctrl.	HSI	80V	PSC	PSC	21D83M-843	Standoff & Steel Panel	Heat, Cool, Fan	R, C, W, Y G			•	•			43
Lennox	Single Stage	Int. Furn. Ctrl.	HSI	120V	PSC	PSC	50M56U-801	Standoff	Heat, Cool, Fan	R, C, W, Y G				•			42
Lennox	Single Stage	Int. Furn. Ctrl.	HSI	80V	PSC	PSC	50A66-743	Standoff	Heat, Cool, Fan	R, C, W, Y G							16
Lennox / ICP	Single Stage	Int. Intelligent Valve Retrofit Kit	HSI	120V	PSC	PSC	50I56D-905	Flush Mount	Heat, Cool	R, C, W, Y G	•			•			53
Trane	Single Stage	Int. Furn. Ctrl.	HSI	120V	PSC	PSC	50A55-3797	Standoff	Heat, Cool	R, C, W, Y G							19
Trane	Single Stage	Int. Furn. Ctrl.	HSI	80V	PSC	PSC	50A65-5165	Standoff	Heat, Cool	R, C, W, Y G		•					18
Trane	Two-Stage	Int. Furn. Ctrl.	HSI	120V*	Var. Spd.	Var. Spd.	50V54-820	Standoff	16-pin Intf.	R, B/C W1, W2, Y, YLo, G, O, BK	•			•			20
York	Single Stage	Int. Furn. Ctrl.	HSI	120V	PSC	PSC	50A56-956	Standoff & Steel Brkt.	Heat, Lo/Hi Cool	R, C, W, Y1, Y/Y2, G		•	•				27
<b>NON-INTEGRATED IGNITION MODULES</b>																	
Universal*	Single Stage	Non-Integrated Ign. Mod.	HSI	24V 120V 240V	PSC	—	50E47U-843	Surf. Mt. or 4x4 Jct. Box	—	TH (W), TR (C)					•	WR Conn. App	325+
Universal*	Single Stage	Non-Integrated Ign. Mod.	Intermittent Pilot/DSI	—	—	—	50D50U-843	4 mounting holes for #8 screw	—	TH (W), TR (BRN GND)					•	WR Conn. App	1000+
Lennox	Single Stage	Non-Integrated Ign. Mod.	Prov./ Intermittent Pilot - Spark	—	—	—	50D50-801	Surf. Mt./4x4 Jct. Box Steel Brkt.	—	TH (W), TR (C)	•	•	•				44
<b>FURNACE FAN BLOWER CONTROLS</b>																	
Universal	Single Stage	Furn. Elec. Fan Timer	HSI, DSI, Int. Gas Valve	—	PSC	PSC	50F06-843	Tray	—	R, C, W, Y, G		•		•			162
<b>AIR HANDLER CONTROLS</b>																	
Carrier	Single Stage Airflow	AH Ctrl.	—	—	—	PSC or ECMx	48M55-751	Metal Stndf.	1	R, C, G, W							10
Carrier	Single Stage Airflow	AH Ctrl.	—	—	—	PSC	48P55-751	Metal Stndf.	1	R, C, G, W							7
Goodman	Two-Stage Airflow	AH Ctrl.	—	—	—	Var. Speed	48C21-707	Standoff	4-wire Intf.	1, 2, R, C, W1, W2, Y1, Y2, G, O, DHUM					•		14
Rheem	Single Stage Airflow	AH Ctrl.	—	—	—	PSC	48P21-811	Standoff	M1, Fan	R, C, G, W1, W2, Y1				•			14
Rheem	Single Stage Airflow	AH Ctrl.	—	—	—	ECMx	48X21-811	Standoff	X13 SPD, X13 G, COM	R, C, G, W1, W2, Y1							9
Trane	Single Stage Airflow	AH Time Delay Rly.	—	—	—	PSC	57T01-843	Metal Plate	—	—							7
<b>OUTDOOR CONTROLS</b>																	
Universal	Single Stage	Univ. Multi-Volt Contactor (AC/Ref.)	—	—	—	PSC	49M11-843	Flush Mount	—	LINE VOLTAGE, C, Y							362
Universal	Single Stage	Univ. Defrost Ctrl.	—	—	—	PSC	47D01U-843	Tray	—	R, C/B, Y, O/B, W/D/ X2, WIN				•		•	438
Goodman	Two-Stage	AC/Heat Pump Ctrl.	—	—	—	PSC or ECM	49S25-707	Standoff	—	1, 2, R, C, W1, Y1, Y2, O, L					•		18
Rheem	Single Stage	Demand Def. Ctrl.	—	—	—	PSC	47D40-801	Metal Stndf.	—	R, C, Y, B, D						•	23
Rheem	Single Stage	Demand Def. Ctrl.	—	—	—	PSC or ECM	47D43-811	Plastic Stndf.	—	R, C, Y, B, D						•	19
<b>COMMERCIAL / ROOFTOP CONTROLS</b>																	
Trane	Single Stage	Non-Int. Ignition Module	HSI	120V	PSC	PSC	50E70-820	Standoff. Adapter Board	—	System 4 Pin Connector							15
Trane	Two-Stage	Int. Furn. Ctrl.	Direct Spark	—	PSC	PSC	50N02A-820	Standoff. Adapter Board	Hi, Low	R (24VAC), B (GND), W1, W2, Y, G							15
Trane	Two-Stage	Int. Furn. Ctrl.	Direct Spark	—	PSC	PSC	50N02B-820	Sheet Metal Screws	Hi, Low	R (24VAC), B (GND), W1, W2, Y, G							7
Trane	—	Adaptor Board	—	—	—	—	F50N02-820	—	—	—					•		4

\* For 80V applications use supplied 120V nitride ignitor. \*\* For 80V applications purchase 120V nitride ignitor. <sup>1</sup> Configure and diagnose control in the White-Rodgers Connect App.

## UNIVERSAL HOT SURFACE IGNITOR

**Features:**

- Durable nitride ignitor
- Universal brackets & ceramic nuts
- Replaces most carbide ignitors
- 5-year warranty



MODEL NUMBER	LEAD LENGTH	DESCRIPTION	MODELS REPLACED
21D64-2	15.5"	Includes 120V nitride ignitor, Universal mounting brackets, & ceramic wire nuts	