Single Stage HSI **Integrated Furnace Control** for PSC & ECMx Blower Motors

Universal

50M56X-843

Replace over 550 part numbers for PSC or ECMx and speed up install with the White-Rodgers Connect app

STREAMLINE INVENTORY

Configure for either PSC or ECMx blower motors

Save truck space by replacing over 550 part numbers

SIMPLIFY SET UP WITH THE WHITE-RODGERS CONNECT APP

Simple configuration without power, prior to install

Setup using preloaded OEM settings

Diagnose fault codes & troubleshoot confidently

No Wi-Fi, cell service or login required

EASY INSTALLATION

OEM harness detection, no additional harnesses required

120V Nitride ignitor included

7-Segment LED Display provides easy configuration, diagnostics and real-time flame current

No rollout accessory or wire required

Thermostat connector block for simple wiring



WHITE-RODGERS™

COPELAND

Single Stage HSI **Integrated Furnace Control** for PSC & ECMx Blower Motors

SPECIFICATIONS:

Electrical Ratings: [@ 77°F (25°C)]
Input Voltage ..... 25 VAC 60 Hz
Max. Input Current..... 0.8A @ 25 VAC

Flame Current Requirements:
Min. Current to ensure flame detection .....0.37 µA DC
Max. current for non-detection ..... 0.1 µA DC
Max. allowable leakage resistance ..... 100 M Ohms

Note: Flame current shown on 7-Segment LED display in heating mode

Manual option: Measured with a DC voltmeter on Test Pins (1 VDC = 1 µA)

Operating Temp Range: -40° to 176°F (-40 to 80°C)

Humidity Range: 5% to 93% relative humidity (non-condensing)

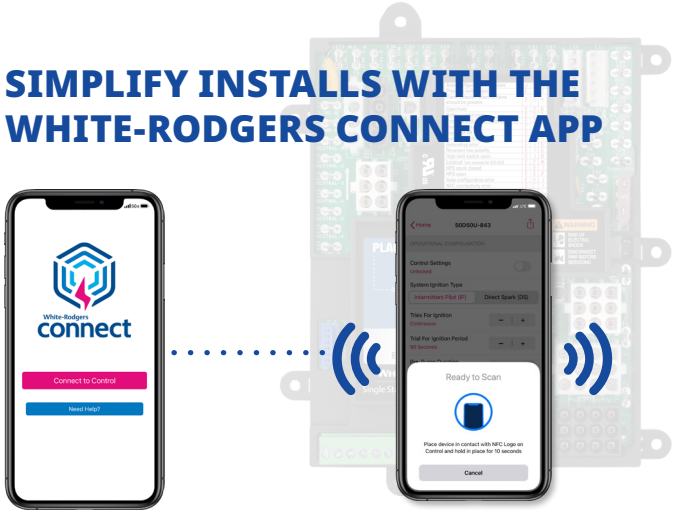
Gases Approved: Natural, Manufactured, Mixed, Liquid Petroleum, and LP Gas Air mixtures all approved for use

Dimensions: .....6.5" W x 8.25" L x 1.50" D (with tabs)
.....5.5" W x 7.0" L x 1.50" D (tabs removed)

Agency Approvals: UL - USA / Canada

1 Year Limited Warranty

SIMPLIFY INSTALLS WITH THE WHITE-RODGERS CONNECT APP



Near Field Communication (NFC) creates an interface between the control and your mobile device w/ the White-Rodgers Connect app. The White-Rodgers Connect App does not require cellular/Wi-Fi service to use (once downloaded).

Visit website to learn more

COMPETITIVE COMPARISON







Product Feature	Resideo / Honeywell S9200U1000	ICM ICM2812-KIT	White-Rodgers 50M56X-843
Stages / Blower Types	1 - PSC Only	1 - PSC Only	**1 - PSC & ECMx**
Mobile App	No	No	**Yes – WR Connect**
Harnesses	8	11	**None – OEM harness detected**
Cross-References	200+	150+	**550+**
Ignitor Voltage Serviced	120V Only	120V Only	**80V & 120V**
Includes Universal Ignitor	No	No	**Yes**
Configuration Options	Limited - 4 Dipswitches	Limited - 2 Dipswitches	**Unlimited App or Push Buttons**
LED Displays	Tri-color LED	Red LED Only	**Digital LED Display**
Rollout Accessory	Difficult Wire Jumper	Difficult Wire Jumper	**Not Required**
Flame Current Test	No	No	**Digital Readout or Test Pins**
Full Cover w/ Fault Code Label	No - Tray Only	Yes	**Yes**
Fault Recall & Clearing	Jump R & D Terminals	Push Button	**WR App / Push Buttons**
Status & Diagnostics	Count LED Flashes	Count LED Flashes	**Read on Display or App**
Humidifier Output	120V only	120V only	**24V or 120V**
2nd Stage Cooling & Dehumidification	No	No	**Yes**

R-5572-2 (9/23) | ©2023 Copeland | All rights reserved | Customer Service or Technical Help: 888-725-9797 | White-Rodgers.com