

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



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
Select preloaded OEM settings with Auto-Set
Diagnose fault codes and 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
and diagnostics
No rollout accessory or wire required
Thermostat connector block for simple wiring



WHITE-RODGERS™


EMERSON™

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 μ A DC

Max. current for non-detection 0.1 μ A 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 μ A)

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

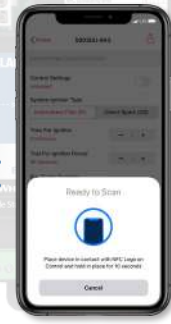
1 Year Limited Warranty

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

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

