



50M56U-843

## UNIVERSAL INTEGRATED FURNACE CONTROLS

Replaces over 700 OEM, White-Rodgers and competitive model numbers.

### FEATURES

- Reduces inventory by providing maximum control replacement coverage
- Select models include a universal 120V nitride ignitor to allow replacement of 80V and 120V controls
- Diagnostic LED indicators streamline installation and system troubleshooting
- 120V air cleaner output and 120V humidifier output up to 1 Amp max
- Factory standard safety timings and adjustable fan delay options
- Replaceable automotive style fuse

### SPECIFICATIONS

Low Voltage Circuit .....	24 VAC, 50/60 Hz
Line Voltage Circuit .....	120 VAC, 50/60 Hz
Circulator Relay .....	14.5 FLA - 25.0 LRA @ 120 VAC
Circulator Relay: PSC .....	14.5 FLA - 25.0 LRA @ 120 VAC
Circulator Relay: ECMx .....	12.0 mA @ 30 VAC
Operating Temperature Range .....	-40° to 175°F (-40° to 79°C)
Humidity Range .....	5% to 93% relative humidity (non-condensing)

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FAMILY BRANDS OF EQUIPMENT	STAGES	IGNITION TYPE	IGNITOR VOLTAGE	INDUCER MOTOR / BLOWER MOTOR	BLOWER MOTOR SPEED TAPS	THERMOSTAT INPUTS	INCLUDES IGNITOR OR ELECTRODE	TWINNING	INCLUDES WIRING ACCESSORIES	COMM SYSTEM	CONTROL MOUNTING	MODEL NUMBER	ITEM NUMBER
Carrier, Goodman, Lennox, Nordyne, Rheem, Trane, York	Single Stage	HSI	120 VAC*	PSC / PSC	Heat, Cool, Fan	R, C, W, Y, G	√	√	√	—	Flush Mount	50M56U-843	50M56U-843
Carrier, Goodman, Lennox, Trane, York	Single Stage	HSI	120 VAC	PSC / PSC	Heat, Cool	R, C, W, Y, G	—	√	√	—	Flush Mount	50A55-843	50A55-843S1
Goodman, Lennox, Trane	Single Stage	HSI	80 VAC only	PSC / PSC	Heat, Cool	R, C, W, Y, G	—	—	—	—	Flush Mount	50A65-843	50A65-843S1
Carrier, Lennox, Trane, York	Single Stage	HSI	120 VAC**	PSC / ECMx	Heat, Fan, Lo Cool, Hi Cool	R, C, W, Y, Y/Y2, G, DHUM	—	√	√	—	Flush, Standoff or Tab	50X57-843	50X57-843
Goodman, Lennox, Trane, York	Two-Stage	HSI	120 VAC*	PSC / PSC	Lo Heat, Hi Heat, Cool	R, C, W1, W2, YLo, Y, G	√	√	—	—	Standoff	21M51U-843	21M51U-843
Goodman, Lennox, Trane, York	Two-Stage	HSI	120 VAC*	PSC / Variable Speed	16-pin Interface	R, B/C, W1, W2, YLo, Y, G, O, DHUM	√	—	√	—	Standoff	21V51U-843	21V51U-843

\* On 80 VAC applications use supplied 21D64-2 Universal Ignitor.

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