

**NON-INTEGRATED  
IGNITION MODULES**

Universal and direct OEM non-integrated controls for various applications that replace over 850 OEM and competitive part numbers.



**FEATURES**

- Advanced 7-segment LED display for on-board configuration (program keys required on some models)
- Microprocessor-based ignition control
- Works with single-rod or dual-rod remote sensor
- Provides ignition, proof of ignition and precise timings
- LED diagnostic indicator
- For use in Natural and LP gas applications

**SPECIFICATIONS**

Low Voltage Circuit.....	24 VAC, 50 / 60 Hz
Line Voltage Circuit.....	120 VAC, 50 / 60 Hz
Operating Temp Range .....	-40° to 175°F (-40° to 79°C)
Humidity Range.....	5% to 95% relative humidity
.....	(non-condensing)

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FAMILY BRANDS OF EQUIPMENT	STAGES	IGNITION TYPE	IGNITOR VOLTAGE	THERMOSTAT INPUTS	INCLUDES IGNITOR OR ELECTRODE	TWINNING	INCLUDES WIRING ACCESSORIES	MOUNTING	MODEL NUMBER	ITEM NUMBER
Carrier, Goodman, Lennox, Trane, York	Single Stage	HSI	120 VAC	TH (W) , TR (C)	—	—	√	Surface mount or 4" x 4" junction box	50E47-843	50E47 843S1
Carrier, Goodman, Lennox, Trane, York, Pentair, StaRite, Jandy	Single Stage	HSI	24,120, 240 VAC	TH (W) , TR (C)	—	—	√	Surface mount or 4" x 4" junction box	50E47U-843 <sup>1</sup>	50E47U 843
Carrier, Lennox, Goodman, Rheem, Trane, York	Single Stage	Proven / Intermittent Pilot - Spark & Direct Spark	—	TH (W) , TR (C)	—	—	√	Surface mount or 4" x 4" junction box	50D50U-843 <sup>1</sup>	50D50U 843
Lennox	Single Stage	Proven / Intermittent Pilot - Spark	—	TH (W) , TR (C)	√	—	√	Surface mount or 4" x 4" junction box or with steel bracket	50D50-801	50D50-801

<sup>1</sup> These ignition modules utilize the White-Rodgers Connect app for quick configuration and accurate diagnostics.

**NON-INTEGRATED CYCLE PILOT RELIGHT CONTROL**

DESCRIPTION	INPUT VOLTAGE	ELECTRICAL RATING	MODEL NUMBER	ITEM NUMBER
Generates spark until pilot is lit spike connector	24 VAC	0.03 amps	5059-134	50 59 134S1

**INTEGRATED THERMOSTAT SENSOR<sup>2</sup>**

DESCRIPTION	LEAD WIRE LENGTH (IN)	TEMPERATURE TOLERANCE	MODEL NUMBER	ITEM NUMBER
Integrated Temperature Sensor for select Ignition Modules	48	+/- 5% at 77 °F (25 °C)	F67-8535 <sup>2</sup>	F67-8535

<sup>2</sup> The integrated thermostat sensor when installed in the ignition module acts independently to maintain temperature without an external thermostat. For use on infrared heaters and tube heaters.