



Modulating Electric Heat (SCR)

Part Numbers

ITEM	PART #	SIZE
SCR installed on 1st stage electric heat. (-1 = 1 ph, -3 = 3 ph)	CNT-ELECTMOD25-D-1 INSTALL CNT-ELECTMOD25-D-3 INSTALL	3-25 ton
	CNT-ELECTMOD60-D-1 INSTALL CNT-ELECTMOD60-D-3 INSTALL	30-60 ton

Description

Takes an existing HVAC unit with electric heat and adds an SCR controller on the 1st stage of the electric heat, controller and temperature probe to turn the unit into a modulating heat unit that controls a constant discharge air temperature.

Part Numbers

ITEM	PART #	SIZE
SCR installed on 1st stage electric heat (-1 = 1 ph, -3 = 3 ph)	CNT-ELECTMOD25-0-1 INSTALL CNT-ELECTMOD25-0-3 INSTALL	3-25 ton
	CNT-ELECTMOD60-0-1 INSTALL CNT-ELECTMOD60-0-3 INSTALL	30-60 ton

Description

Takes an existing HVAC unit with electric heat and is designed to accept user provided 0-10 V or 4-20 mA signal to control electric heat.

More Information

iAIRE has (3) control schemes for control of the modulating heat. These are:

Discharge Air Control (DAT) – The air temperature leaving the unit is controlled to a specific temperature.

Space Air control – The room space air temperature is controlled to a specific temperature

No control – This has no iAIRE control provided. This form of control is usually used with a customer provided control system that will send a 0-10V signal to the modulating valve or SCR to control temperature.

Wiring Diagram

--- FIELD SUPPLIED WIRING
 NOTE: ALL FIELD WIRING MUST BE SHIELDED
 CABLE OR TWISTED PAIR WITH DRAIN WIRE

