Submittal

Modulating Gas Heat

Part Numbers

ITEM	PART #	SIZE
Modulating Gas Heat	CNT-GASMOD25-D INSTALL	3-25 ton
	CNT-GASMOD60-D INSTALL	30-60 ton

Description

Takes an existing gas heat RTU and adds a modulating gas valve and controller that allows the gas heat to modulate and maintain a constant discharge air temperature from the unit. This creates a new system that has approximately 10:1 turn down ratio in a gas unit. This allows for tighter control of discharge air temperatures and closer control of space temperatures if desired.

Part Numbers

ITEM	PART #	SIZE
Modulating Gas Heat	CNT-GASMOD25-0 INSTALL	3-25 ton
	CNT-GASMOD60-0 INSTALL	30-60 ton

Description

Takes an existing gas heat RTU and adds a modulating gas valve and is designed to accept user provided 0-10 V or 4-20 mA signal to control gas heat.

Part Numbers

ITEM	PART #	SIZE
Modulating Gas Heat	CNT-GASMOD25-S INSTALL	3-25 ton

Description

Takes an existing gas heat RTU and adds a modulating gas valve, controller and space sensor that allows the gas heat to modulate and maintain a constant space temperature from the unit. The space sensor will allow user set point and then run cooling to 1 degree above the set point and heat to 1 degree below the set point. This unit assumes you are running in an electro-mechanical mode.

More Information

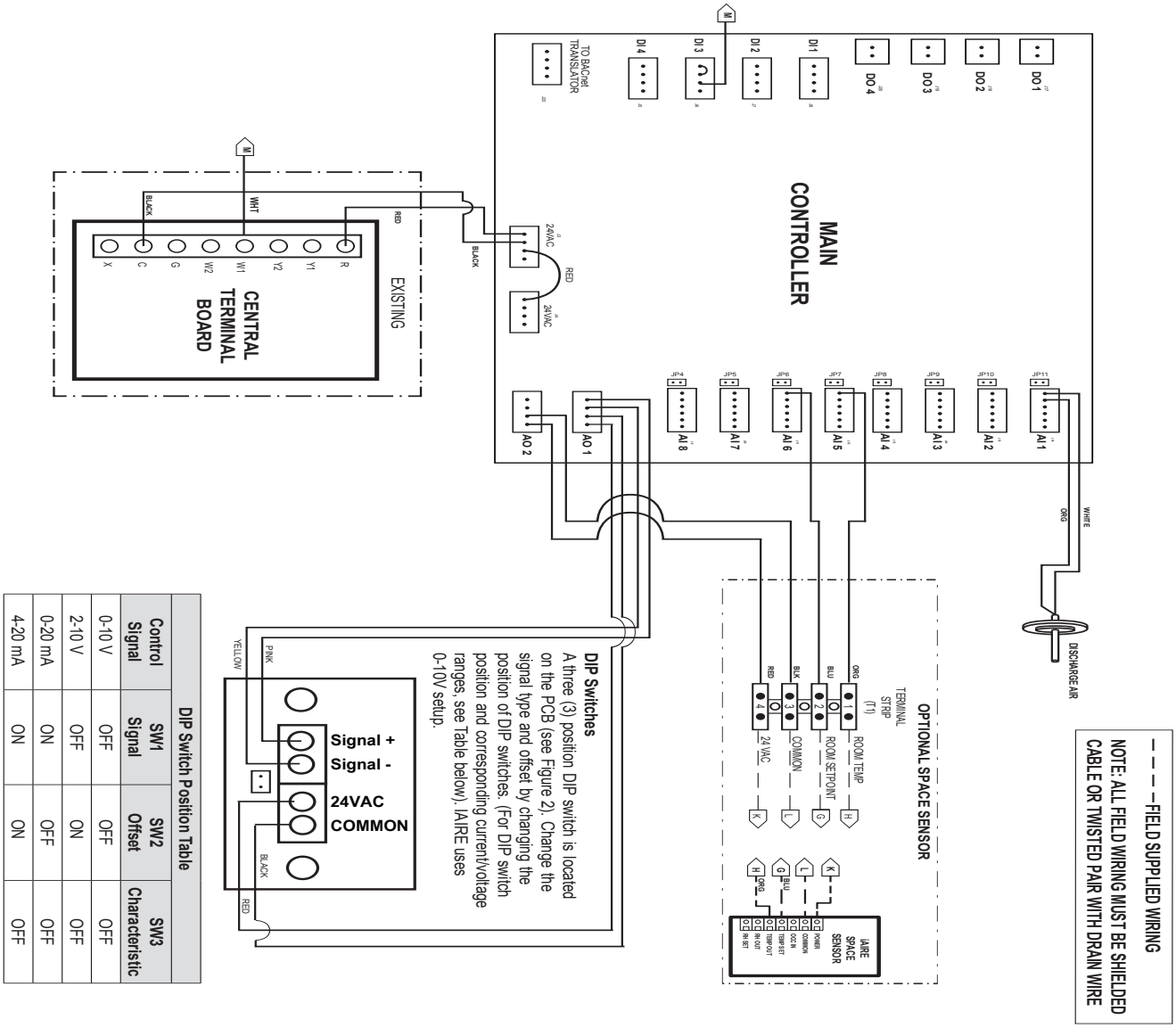
iAIRE has (3) control schemes for control of the modulating heat. These are:

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



DIP Switch Position Table			
Control Signal	SW1 Signal	SW2 Offset	SW3 Characteristic
0-10 V	OFF	OFF	OFF
2-10 V	OFF	ON	OFF
0-20 mA	ON	OFF	OFF
4-20 mA	ON	ON	OFF