

Gas Control Options - (Indirect-Fired Heating System Controls)

Option Code	Components	Gas Mod	Description	Sensor Location	Set Point Control Location
AG39	Electronic Gas Modulation, Solid State Control with discharge air duct probe and remote temperature selector (25-100% Modulation).	M	4:1 turndown, discharge air temperature input with modulating gas valve and combustion air modulation. Available for Natural Gas only. See Option AG41 for Dual Furnace applications	Unit	Field Installed Temperature Selector
AG40	Maxitrol Modulating Gas Valve, Solid State Control, duct probe and Maxitrol A200 Signal Conditioner (25-100% Modulation).	M	Same as AG39 except unit is equipped with signal conditioner for 4 - 30 mA or 0-10VDC input signal from <u>Customer Supplied input signal</u> . See Option AG42 for Dual Furnace units.	Customer Supplied	Customer Supplied
AG41	Electronic Gas Modulation, Solid State Control with discharge air duct probe and remote temperature selector (12 - 100% system modulation with dual furnace units).	M	6:1 turndown, 2nd furnace is enabled based on outdoor temperature drop (Field adjusted for application), while the AG39 option controls unit discharge air temperatures.	Unit	Field Installed Temperature Selector
AG42	Maxitrol Modulating Gas Valve (20-100%). Solid State Control, duct probe and Maxitrol A200 Signal Conditioner (12 - 100% system modulation with dual furnace units).	M	Same as AG41 except unit is equipped with signal conditioner for 4 - 20 mA or 0-10VDC input signal from a Customer Supplied input signal.	Customer Supplied	Customer Supplied
AG21	Maxitrol Modulating Gas Valve, Solid State Controller, Duct Probe, Maxitrol A200 Signal Conditioner (50-100% Modulation)	M	Similar operation to AG8 with Signal Conditioner for 4-20mA or 0-10VDC input signal from <u>Customer Supplied input signal</u> .	Customer Supplied	Customer Supplied
AG15	2-Stage Gas Valve, Electronic Sensor, Remote Temp Selector (50-100% Staging).	2	2:1 staging (or 4:1 staging on dual furnace models) based on signal from electronic sensor w/ remote temperature selector module.	Sensor Field Installed in Unit	Field Installed in Unit or Remote
AG16	2-Stage Gas Valve, Electronic Sensor, Remote Temp Selector, Digital Display (50-100% Staging).	2	Same As AG15 with Digital Display Module for Sensor Temperature.	Sensor Field Installed in Unit	Field Installed in Unit or Remote
AG6	Modulating Gas Valve w/ Cap Bulb and hydraulic actuator (50-100% Modulation).	M	2:1 turndown, Mechanical Modulation between 50% and 100% Fire. Input from capillary bulb pressure to hydraulic actuator (or 4:1 turndown on dual furnace models).	Unit	Unit
AG13	Modulating Gas Valve w/ Cap Bulb and Hydraulic Actuator with Space Control Override (50-100% Modulation).	M	Same as AG6 except a space Tstat overrides modulation and allows full fire operation.	Field Installed Tstat	Unit
AG8	Electronic Modulating Gas Valve Solid State Controller with Discharge Air Duct Probe (50-100% Modulation).	M	2:1 turndown based on solid state electronic modulation controls correlated to manifold pressure. Units with dual furnaces enable or disable the second furnace based on outside temperature input.	Unit	Unit
AG9	Electronic Modulating Gas Valve Solid State Controller with Duct Probe w/ Remote Selector (50-100% Modulation).	M	Same As AG8 with Remote Selector for altering the discharge air setpoint.	Unit	Field Installed Remote
AG3	2-Stage Gas Valve 2-Stage Ductstat (50 - 100% Staging).	2	2:1 Staging (or 4:1 staging on dual furnace models) based on call from unit mounted 2-stage (bimetal switch) Ductstat.	Unit	Unit

Note: Review Application Bulletin Form No. RZ-T-PC to assist in evaluating staging or modulation requirements.