



60-2207-1, 60-2207-2 , 60-2207-3 FLAME AMPLIFIER MODULES FOR USE WITH 25SU5-5011, -5012, -5013 AND 25SU3-5166, -5168 CONTROLS

DESCRIPTION

The 60-2207-1 and 60-2207-2 flame amplifier modules are used with the 25SU5-5011, -5012, and the 25SU3-5168, -5166 controls. The 60-2207-3 is used with the 25SU5-5013. The amplifier module determines the flame response curve of the control. Refer to Figure 1.

The 60-2207-1 is a high sensitivity amplifier for use on single burner applications with little or no background radiation. The 60-2207-2 is a high discrimination amplifier for use on single or multi-burner applications where background radiation is present (e.g. flame signal from adjacent flame tips, hot refractory, etc.). The 60-2207-3 is a high sensitivity amplifier with relay hysteresis eliminated.

The flame amplifier modules are operative in either the:

60-2204-2 chassis (used in the 25SU5-5011, -5012, -5013 control)

or

60-2203-2 chassis (used in the 25SU3-5166, -5168 control)

The combination of chassis and flame amplifier module determines the control type.

CONTROL TYPE	CONSISTS OF		USED WITH WIRING BASE (Ordered Separately)	FLAME RESPONSE
	CHASSIS	AMPLIFIER		
25SU5-5011	60-2204-2	60-2207-1	60-2206-1	High Sensitivity
25SU5-5012	60-2204-2	60-2207-2	60-2206-1	High Discrimination
25SU5-5013	60-2204-2	60-2207-3	60-2206-1	High Sensitivity/ Lo Hysteresis
25SU3-5166	60-2203-2	60-2207-2	60-2206-2	High Discrimination
25SU3-5168	60-2203-2	60-2207-1	60-2206-2	High Sensitivity

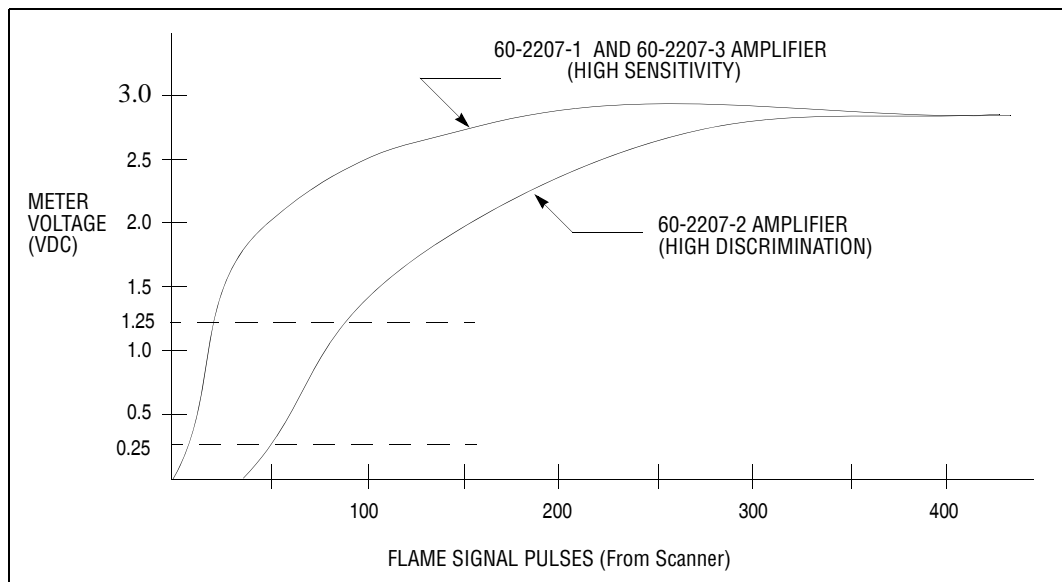
NOTE: All controls include a dust cover (60-2223), blank display module (60-2301), and mounting screw (48-1805). An optional display module (60-2205) with flame signal LEDs, marginal alarm, and 0-20ma output may be ordered separately.

Refer to bulletin CU-27 for wiring connections when the flame amplifier module is used with the 25SU5-5011, -5012, -5013 controls.

Refer to bulletin CX-742 for wiring connections when the flame amplifier module is used with the 25SU3-5168, -5166 controls.



FIGURE 1. FLAME RESPONSE CURVES



METER/TEST JACK VOLTAGE

FLAME RELAY	60-2207-1	60-2207-2	60-2207-3
Pull-In	1.25	0.80	1.25
Drop-Out	1.00	0.25	1.25

NOTICE

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