FRS110

Multiburner Control Flame Relay

The FRS110 FSG Relay is a flame safeguard control with a burner ignition control function, and can be used for batch operation combustion equipment with the FRS100 Flame Relay having the flame detecting function.

Ignition start is prevented when an abnormal condition exists on the flame relay or the FSG relay at start-up. The FSG relay has the function of safe shutoff of the fuel cut-off valve upon a flame failure signal from the safe start function during start-up or from the FRS100 flame relay during operation.



Specifications

Model No.	FRS110A100	FRS110A104	FRS110A200	FRS110A204
Power	100Vac, 50/60Hz		200Vac, 50/60Hz	
Power consumption	5.5W max.			
Ignition waiting time	2s max.			
Application	Batch operation of oil, gas or oil/gas mixed combustion equipment			
Ignition trial timing	8 ± 2s	4 ± 1s	8 ± 2s	4 ± 1s
Reset time	1s max.			
Upon flame failure	Lockout			
Ambient	One unit mount: -20 to +60°C			
temperature	Gang mount: -20 to +45°C			
Ambient humidity	90% RH max., 40°C (no condensation allowed)			
Contact capacity	Terminal 6 ignition transformer: 300VA			
	Terminal 3 double-pilot: 200VA			
	Terminal 7 main valve: 200VA			
Life	100,000 operations (at room temperature/humidity and rated voltage)			
Mounting	Mounted on DIN rail or screw mounted			
Mass	FRS110A (main body): approx. 270g			
	FRS50A (subbase)	: approx. 70g		
Accessories	FRS50A100: Mounting subbase			
(sold separately)	83968019-001: Lighting surge absorber			

Selection Guide

Model No.	Description
FRS110A100	100Vac, 50/60Hz
FRS110A104	100Vac, 50/60Hz
FRS110A200	200Vac, 50/60Hz
FRS110A204	200Vac, 50/60Hz

Dimensions (Unit: mm)

