

FRS110A

Multiburner Control Flame Relay



The FRS110A FSG Relay is a Flame Safeguard Control with the burner ignition control function, and can be used for batch operation combustion equipment with the FRS100 Flame Relay having the flame detecting function.

The ignition start is prevented when an abnormal conditions exists on the Flame Relay or the FSG relay at the start-up. The FSG relay has the function to make safe shut-down of the fuel cut-off valve by a flame failure signal from the safe start function at start-up or the FRS100 flame relay during operation.

Specifications

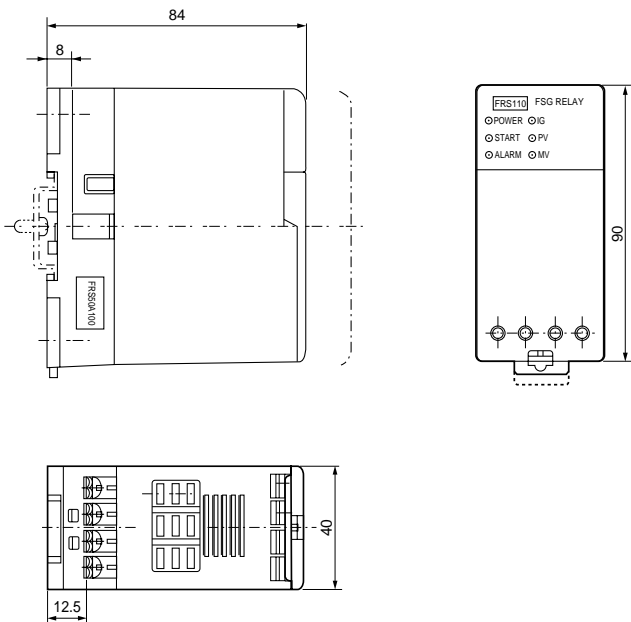
Model No.	FRS110A100	FRS110A104	FRS110A200	FRS110A204
Rated voltage	100Vac, 50/60Hz		200Vac, 50/60Hz	
Power consumption	5.5W max.			
Ignition waiting time	2s max.			
Application	Batch operation of oil, gas or oil/gas mixed combustion equipment			
Ignition trial timing	8 ± 2s	4 ± 1s	8 ± 2s	4 ± 1s
Reset time	1s max.			
Operation at flame failure	Lock-out			
Ambient temperature	One unit mount: -20 to +60°C Gang mount: -20 to +45°C			
Ambient humidity	90%RH max., 40°C (no condensation allowed)			
Contact capacity	Terminal No.⑥ ignition transformer: 300VA Terminal No.③ double-pilot: 200VA Terminal No.⑦ main valve: 200VA			
Life	100,000 operations (at room temperature/humidity and rated voltage)			
Mounting	Mounted on DIN rail or screw mounted			
Weight	FRS110A (main body): Approx. 270g FRS550A (sub base): Approx. 70g			
Accessories (order separately)	FRS50A100: Mounting subbase 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)



FLAME SAFEGUARD CONTROLS