

FRS100C

Multiburner Control Flame Relay



The FRS100C is a flame safeguard control featuring a built-in safe-start circuitry.

It prevents ignition when a failure is detected at start-up and causes fuel line shut-off, should a failure be detected during operation.

Specifications

Model No.	FRS100C100	FRS100C200
Power supply	100Vac, 50/60Hz	200Vac, 50/60Hz
Power consumption	7W max.	
Contact rating	250VA (terminals ③ - ④, ③ - ⑥)	
Flame sensitivity	Ignition detection level: Flame voltage 1V max. Flame-out detection level: Flame voltage 0.4V min.	
Flame response	3 ± 1s at flame voltage approx. 4.3V	
Flame signal output	0 to 5Vdc at max. 5m wiring distance (using shielded leads), output terminals: A (-) and B (+) on body. Input impedance of externally connected equipment: 100KΩ min.	
Ambient temperature	-20 to +60°C (only 1 unit mounted), -20 to +45°C (2 units serially mounted)	
Ambient humidity	90%RH, 40°C (no condensation allowed)	
Life	100,000 operations	
Mounting	Mounted on DIN rail or screw mounted	
Weight	Approx. 270g	

Selection Guide

Model No.	Description
FRS100C100	100Vac, 50/60Hz
FRS100C200	200Vac, 50/60Hz

Dimensions (unit:mm)

