

R4750B,C

Protectorelay Flame Safeguard Controls

The R4750B, C are flame safeguard controls used to provide automatic operation and safety of combustion in medium sized, gas-fired burners, with a maximum burning capacity of 500,000 Kcal/h.

They are constructed from reliable components to ensure that the combustion equipment operates without fail in the correct sequence.



Specifications

Model No.	R4750B	R4750C
Flame detector	Flame rod C7007B, C7008A	C7027A, C7035A
Power consumption	7W +25% max.	
Ambient temperature	-20 to +60°C	
Ambient humidity	90%RH at 40°C	
Weight	680g	
Accessories	83968019-001 surge absorber	
Flame/alarm indicator LED	Lit: Normal combustion Flashing: Loss of flame whilst burner, ground short-circuit, or false flame signal at start-up	

Contact Ratings

Terminal No.	Load	Contact rating
5	Ignition transformer	350VA
3	Pilot valve	200VA
4	Main valve	200VA*
A1, A2	Alarm	75VA

*For solenoid valve: 400VA at opening, and 200VA during hold

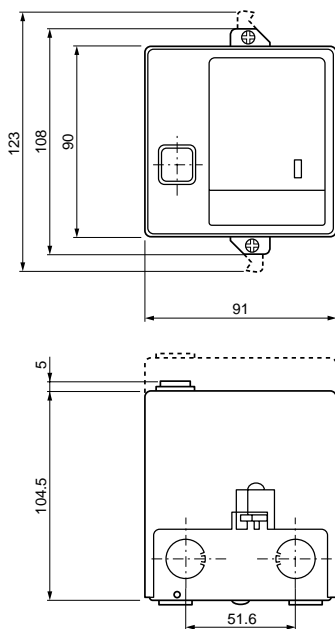
Selection Guide

Model No.	Power supply voltage (50/60Hz)	Sequence timing (under normal temperature, normal humidity, rated voltage)				
		Pre-purge	Ignition trial	Post ignition	Lockout	Flame response
R4750B108-2	100Vac	33 ± 8s	4 ± 1s	11 ± 4s	max. 23s	1.5 ± 0.5s (At 2µA flame current)
R4750B208-2	200Vac					

Sequence in event of flameout: Non-recycle

Model No.	Power supply voltage (50/60Hz)	Sequence timing (under normal temperature, normal humidity, rated voltage)					
		Pre-purge	Ignition trial	Spark	Post ignition	Lockout	Flame response
R4750C1007	100Vac	2.5 ± 1.5s	4 ± 1s	5 ± 1s	7.5 ± 2.5s	max. 30s	1.5 ± 0.5s (At 5.5µA flame current)
R4750C1015	200Vac						
R4750C1023	100Vac	33 ± 6s	4 ± 1s	5 ± 1s	7.5 ± 2.5s	max. 30s	1.5 ± 0.5s (At 5.5µA flame current)
R4750C1031	200Vac						
R4750C1049	100Vac	40 ± 20s	4 ± 1s	5 ± 1s	7.5 ± 2.5s	max. 30s	1.5 ± 0.5s (At 5.5µA flame current)
R4750C1056	200Vac						
R4750C204	200Vac	66 ± 18s					

Dimensions (unit:mm)



FLAME SAFEGUARD CONTROLS