

R4715B,C

Protectorelay Flame Safeguard Controls

The R4715B, C are flame safeguard controls used to provide automatic operation and safety of combustion in small and medium sized, gas-fired burners, with a maximum burning capacity of 150,000 Kcal/h or greater.

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



Specifications

Flame/alarm indicator LED	Lit: Normal combustion Flashing: Loss of flame while burner is running, false flame signal at start-up
Flame detection system	Rectification type flame rod
Standard flame current	2 to 6μA
Recommended surge absorber	Type No. 968019-001
Power consumption	5W ± 25% max.
Ambient temperature	-20 to +60°C
Ambient humidity	90%RH at 40°C
Weight	400g

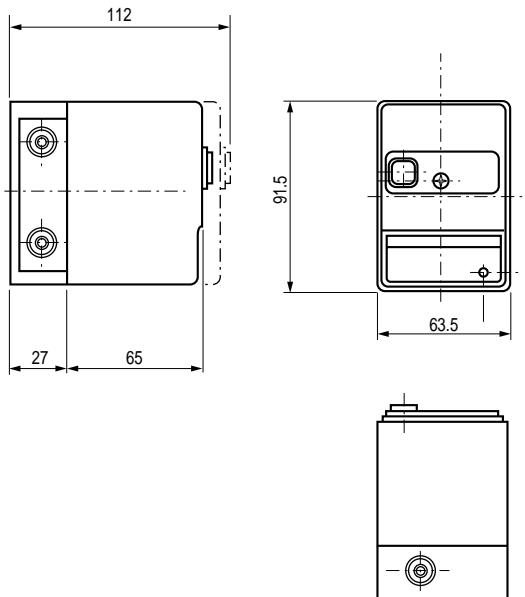
Selection Guide

Model No.	Voltage 50/60Hz	Sequence (under normal temperature, normal humidity and rated voltage)				
		Pre-purge	Ignition trial	Post-ignition	Lock-out	Flame response
R4715B1003-1	100Vac	15 ± 4s	4 ± 1s	11 ± 4s	23s max.	1.5 ± 0.5s (At 2μA flame current)
R4715B1011-1	200Vac		10 ± 3s	1.2 ± 0.5s		Max. 0.8s (At 2μA flame current)
R4715C1001	100Vac					
R4715C1019	200Vac					

Loss of flame while burner is running: R4715B lockout, R4715C recycle.

Dimensions

(unit:mm)



Contact Ratings

Terminal No.	Load	Contact rating
10	Fan motor	120Vac, 2A
		230Vac, 1A
9	Ignition transformer	250VA
5	Pilot valve	100VA
1	Main valve	100VA
8	Alarm	75VA