

R4715B/C

Protectorelay Flame Safeguard Controls

The R4715B and R4715C are flame safeguard controls used to provide automatic operation and safety of combustion in small and medium sized gas-fired burners that have a maximum burning capacity of 175kW/h (150,000Kcal/h) or less.

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



Specifications

Flame detection system	Rectification type flame rod (C7007A, C7008A)
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
Mass	400g
Flame/alarm indicator LED	Lit: normal combustion Flashing: loss of flame while burner is operating or false flame signal at start-up

Selection Guide

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

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

Contact Ratings

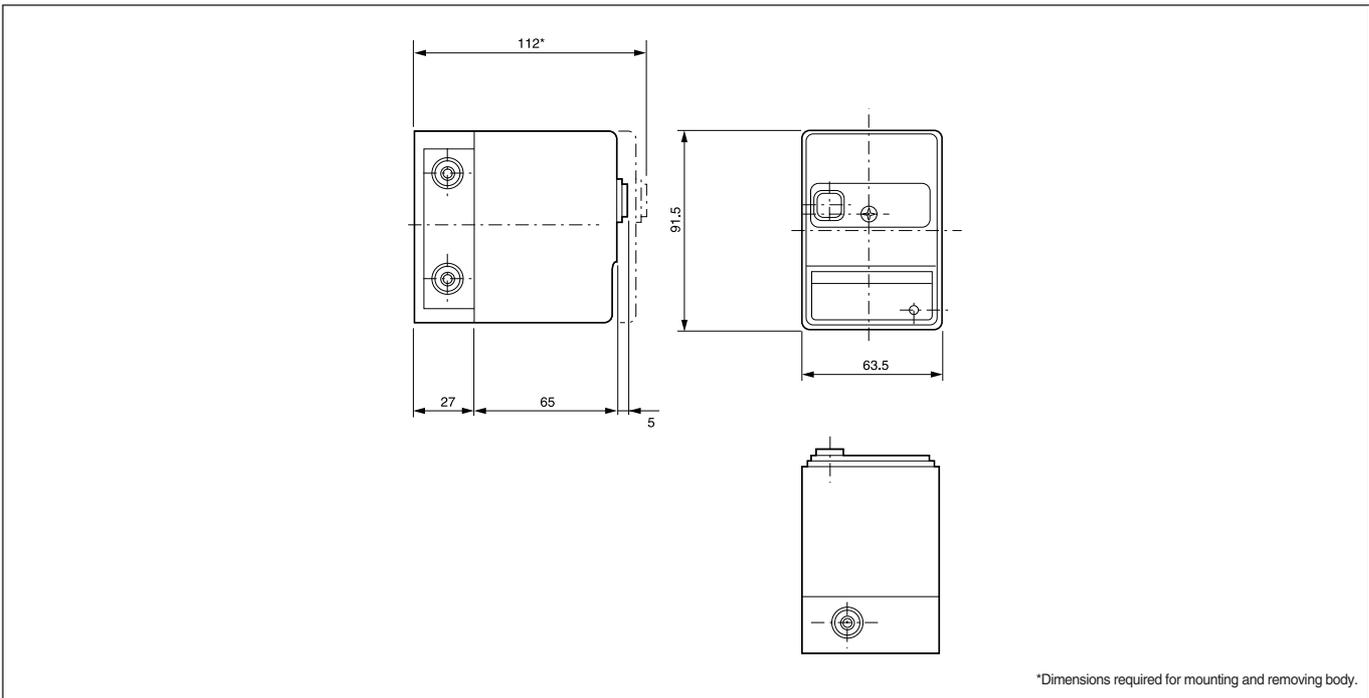
Terminal No.	Load	Contact rating
10	Fan motor	120Vac, 2A 240Vac, 1A
9	Ignition transformer	250VA
5	Pilot valve	100VA
1	Main valve	100VA
8	Alarm	75VA

Accessories (sold separately)

Model No.	Description
83968019-001	Surge absorber

Dimensions

(Unit: mm)



FLAME SAFEGUARD CONTROLS