

R4424C/D/E

Protectorelay Flame Safeguard Controls

The R4424C/D/E are flame safeguard controls used to provide automatic operation and safety of combustion in batch-type compact-sized oil-fired burners.

They are used in combination with a C554A or CN700 CdS flame detector.



Specifications

Flame detector	C554A, CN700
Power consumption	9W max.
Ambient temperature	-20 to +60°C
Ambient humidity	90% RH max. at 40°C
Mass	0.68kg (with subbase)

Contact Ratings

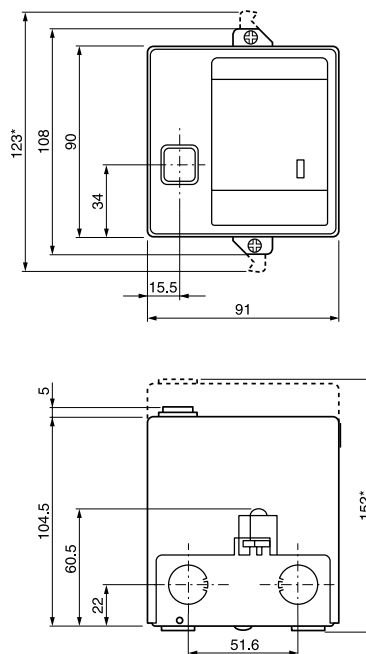
Terminal No.	Load	Contact rating
3	Fan motor	120Vac Full load: 2A Locked rotor: 12A
		240Vac Full load: 1A Locked rotor: 6A
5	Ignition transformer	350VA
4	Low solenoid valve	100VA
6	High solenoid valve	100VA
A-A1	Alarm	75VA

Selection Guide

Model No.	Power (50/60Hz)	Sequence timing (at normal temperature, normal humidity, rated voltage)				
		Sequence at flame failure	Prepurge	Ignition trial	Postignition	Lockout timing
R4424C104-1	100Vac	Recycle	20 \pm 4 s	7 \pm 2s	8 \pm 3.5s	23s max.
R4424C204-1	200Vac	Recycle	20 \pm 4 s	7 \pm 2s	8 \pm 3.5s	23s max.
R4424D1001-1	100Vac	Non-recycle	Preignition prepurge 20 \pm 6s	4 \pm 1s	11 \pm 4s	23s max.
R4424D1019-1	200Vac	Non-recycle	Preignition prepurge 20 \pm 6s	4 \pm 1s	11 \pm 4s	23s max.
R4424D121-1	100Vac	Recycle	Preignition prepurge 20 \pm 6s	5 \pm 1.5s	15 \pm 5s	23s max.
R4424D221-1	200Vac	Recycle	Preignition prepurge 20 \pm 6s	5 \pm 1.5s	15 \pm 5s	23s max.
R4424E104-1	100Vac	Non-recycle	20 \pm 4 s	5 \pm 1.5s	6.5 \pm 2.5s	23s max.
R4424E204-1	200Vac	Non-recycle	20 \pm 4 s	5 \pm 1.5s	6.5 \pm 2.5s	23s max.

Dimensions

(Unit: mm)



*Dimensions required for mounting and removing body.