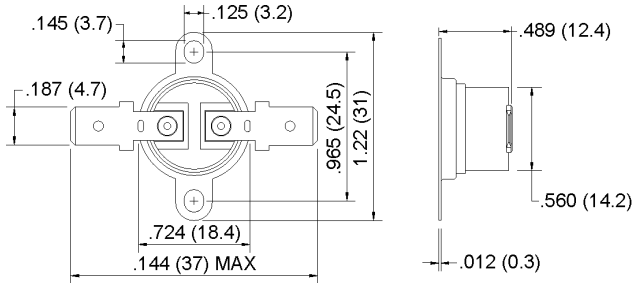


1/2" Disc Thermostats - Automatic Reset

CRA/ORA (625A) Series



FEATURES

- ISO 9000 certification
- High temperature case
- Quick and easy installation

APPLICATIONS

- Heaters
- Gas furnaces
- Commercial food equipment

SPECIFICATIONS

Electrical ratings	125VAC, 15 Amps, Resistive, 100,000 Cycles 250VAC, 10 Amps, Resistive, 100,000 Cycles
Temperature range	50°F to 500°F (10°C to 260°C)
Differential	27°F to 100°F (15°C to 55°C)
Environmental temperature	-4°F to 554°F (-20°C to 290°C)
Insulation resistance	100M Ω or more (with a 500VDC megger)
Circuit resistance	50m Ω or less (initial value)
Dielectric strength	1,500VAC/1 minute
Approvals	UL File No. E145478(S), XAPX2 C-UL File No. E145478(S), XAPX8 VDE, CE RoHS Compliant

These snap-action bimetal discs are housed in a ceramic case to handle extremely high temperatures. The increased factory calibrated set points are available up to 500°F (260°C). The contacts can either open or close on temperature rise.

All models are 100% temperature tested before leaving the factory.

Gold contacts available upon request. Value Added options available including over-mold and seal. For details regarding Value Added options, see pages 48.

Models available from stock - subject to availability • CRA - Close On-Rise (normally open) • ORA - Open On-Rise (normally closed)

Open On-Rise	Model Number	Open °F	Close °F	Mounting	Terminals
Open	ORA-257-QCV	257 $\pm$ 9	230 $\pm$ 9	rotating bracket	.250 quick connects, vertical
Open	ORA-347-QCV	347 $\pm$ 16	284 $\pm$ 16	rotating bracket	.250 quick connects, vertical
Open	ORA-350-QC	350 $\pm$ 14	290 $\pm$ 20	rotating bracket	.187 quick connects, horizontal
Open	ORA-375-QC	375 $\pm$ 14	315 $\pm$ 20	rotating bracket	.250 quick connects, horizontal
Open	ORA-400-QC	400 $\pm$ 14	340 $\pm$ 20	rotating bracket	.250 quick connects, horizontal
Open	ORA-425-QC	425 $\pm$ 15	375 $\pm$ 20	rotating bracket	.250 quick connects, horizontal
Open	ORA-450-QC	450 $\pm$ 15	370 $\pm$ 20	rotating bracket	.250 quick connects, horizontal
Open	ORA-500-QC	500 $\pm$ 20	420 $\pm$ 20	rotating bracket	.250 quick connects, horizontal
Open	ORA-500-QCV50	500 $\pm$ 20	450 $\pm$ 20	rotating bracket	.250 quick connects, vertical

Note: Single operation (one-shot) feature is available. Once the contacts have opened, the contacts will not reclose until ambient temperature drops below -31°F (-35°C).

Special Order Map

For CA/OA , OM, CR/OR, and CRA/OR Series

Build Your Own Part

Model	Contacts	Function	Terminal Type	Bracket Type	Terminal Orientation	Set Point	°F/°C	Differential
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Model

602S	CA/OA Series - 1/2" Automatic Reset	refer to pages 5-7
603U-H	OM Series - 1/2" Manual Reset	refer to page 8
622A	CR/OR Series - Standard Case - 1/2" Automatic Reset	refer to page 11
622P	CR/OR - 4-Post Case - 1/2" Automatic Reset	refer to page 11
625A	CRA/OR - High Temperature - 1/2" Automatic Reset	refer to page 12

Contacts

S	Silver contacts
K	Gold contacts

Function

X	Open on-rise (normally closed)
Y	Close on-rise (normally open)

Terminal Type

Models CA/OA (602S) and OM (603U-H)	refer to page 10
Models CR/OR (622A and 622P) and CRA/OR (625A)	refer to page 14

Bracket Type

Models CA/OA (602S) and OM (603U-H)	refer to page 9
Models CR/OR (622A and 622P) and CRA/OR (625A)	refer to page 13

Terminal Orientation

0°
45°
90°

Example Part Number

602	S	X	BV	AS	90	145	°F	30
Model	Contacts	Function	Terminal Type	Bracket Type	Terminal Orientation	Set Point	°F/°C	Differential