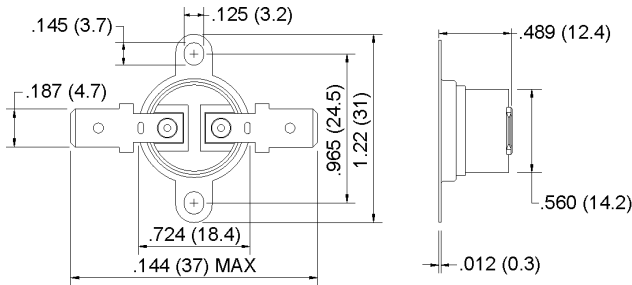


# 1/2" Disc Thermostats - Automatic Reset

## CRA/ORA (625A) Series



### FEATURES

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

### APPLICATIONS

- Heaters
- Gas furnaces
- Commercial food equipment

### SPECIFICATIONS

|                                  |                                                                                                                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Electrical ratings</b>        | 125VAC, 15 Amps, Resistive, 100,000 Cycles<br>250VAC, 10 Amps, Resistive, 100,000 Cycles                          |
| <b>Temperature range</b>         | 50°F to 500°F (10°C to 260°C)                                                                                     |
| <b>Differential</b>              | 27°F to 100°F (15°C to 55°C)                                                                                      |
| <b>Environmental temperature</b> | -40°F to 554°F (-40°C to 290°C)                                                                                   |
| <b>Insulation resistance</b>     | 100M $\Omega$ or more (with a 500VDC megger)                                                                      |
| <b>Circuit resistance</b>        | 50m $\Omega$ or less (initial value)                                                                              |
| <b>Dielectric strength</b>       | 1,500VAC/1 minute                                                                                                 |
| <b>Approvals</b>                 | UL Recognized File No. E145478(S), XAPX2<br>C-UL Recognized File No. E145478, XAPX8,<br>VDE, CE<br>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 page 51.

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).

It is the customer's sole responsibility to specify and determine the suitability of a particular control or component based on their unique individual applications and requirements

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