

# 1/2" Disc Thermostats Automatic Reset (Ceramic)

CRA/ORR Series (625A / Silver ) (625K / Gold )



## Bi-Metal Temperature Controls

Selco's comprehensive line of highly reliable switches utilize a temperature sensitive bi-metal disc, electrically isolated from the switch. Contacts will close (CRA Series) or open (ORA Series) on temperature rise when the surface or ambient temperature increases to the snap point of the calibrated bi-metal disc. The entire switch is enclosed in a ceramic housing to handle extremely high temperatures. The increased factory calibrated set points are available up to 500°F (260°C). To provide flexibility for customer specific applications, we offer a variety of terminal and mounting configurations.

Selco switches are produced in an ISO 9001 certified factory to insure safe and reliable operation. All models are 100% factory inspected to ensure proper temperature, continuity and function.

Custom Manufacturing options are available including: brackets, pipe and tube mounts, lead termination, over-molding and epoxy sealing. For details regarding custom 1/2" disc assemblies, please contact Selco directly.

## Everyday Applications

Warming Equipment	Kettles	Refrigerators	Dryers
Food Service Equipment	Hot Plates	Furnaces	Boilers
Microwave Ovens	Water Heaters	Fireplaces	And More...

TEMP RANGE	TEMP TOLERANCE		DIFFERENTIAL
	SET POINT	RESET POINT	
32°-120°F (0°-49°C)	±7°F (4°C)	±9°F (5°C)	CUSTOMER SPECIFIED
121°-212°F (49°-100°C)	±7°F (4°C)	±11°F (6°C)	CUSTOMER SPECIFIED
213°-302°F (100°-150°C)	±9°F (5°C)	±13°F (7°C)	CUSTOMER SPECIFIED
303°-374°F (150°-190°C)	±11°F (6°C)	±15°F (8°C)	CUSTOMER SPECIFIED
375°-500°F (190°-260°C)	±13°F (7°C)	±18°F (10°C)	CUSTOMER SPECIFIED

\*Temperature rate of change at 1°F (.5°C) per minute

\*Tighter tolerance available upon request

## Technical Specifications

### Silver (625A) / Gold (625K) Contacts

#### Operating Temperature

32°-500°F (0°-260°C)

#### Environmental Temperature

-40°-554°F (-40°-290°C)

#### Electrical Ratings (Silver 625A)

125VAC, 15A, Resistive, 100,000 Cycles  
250VAC, 10A, Resistive, 100,000 Cycles

#### Electrical Ratings (Gold 625K)

30VDC, 1A, Resistive, 100,000 Cycles  
120VAC, 125VA, (Pilot duty) 100,000 Cycles

#### Insulation Resistance

≥100mΩ (with a 500VDC Megger)

#### Circuit Resistance

≤50mΩ (initial value) (Silver, 625A)  
≤10mΩ (initial value) (Gold 625K)

#### Dielectric Strength

1,500VAC/1-min (Silver 625A)  
1,200VAC/1-min (Gold 625K)

#### Certifications

UL (E145478, XAPX2), c-UL (E145478, XAPX8), VDE

Single Operation Device (SOD) version available - Please contact Selco for

**RoHS**   
Compliant

For more information on Selco Products, please visit us at: [www.selcoproducts.com](http://www.selcoproducts.com)

