

1/2" Disc Thermostats

Manual Reset

OM Series (603U-H / Silver) (603K / 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 are normally closed and open on temperature rise when the surface or ambient temperature set point is reached. The circuit will remain open until the manual reset button is depressed at approximately 30% below operating temperature. 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	Fan Heaters	Vending	Dryers
Washing Machines	Electric Heaters	Furnaces	Boilers
Microwave Ovens	Water Heaters	Fireplaces	And More...
Coffee Makers	Toasters	Vacuums	

TEMP RANGE	TEMP TOLERANCE		DIFFERENTIAL
	OPEN	CLOSE	
120°-212°F (49°-100°C)	±7°F (4°C)	N/A	N/A
213°-320°F (101°-160°C)	±9°F (5°C)	N/A	N/A

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

*Tighter tolerance available upon request

Technical Specifications

Silver (603U-H) / Gold (603K)

Operating Temperature

120°-302°F (49°-150°C) (UL Approved)
303°-320°F (150°-160°C) (Non-UL Approved)

Electrical Ratings (Silver 603U-H)

125VAC, 15A, Resistive, 6,000 Cycles
250VAC, 10A, Resistive, 6,000 Cycles
120VAC, 12A, Inductive, 6,000 Cycles
120VAC, 5.8FLA, 34.8LRA, 6,000 Cycles
240VAC, 2.9FLA, 17.4 LRA, 6,000 Cycles

Electrical Ratings (Gold 603K)

30VDC, 1A, Resistive, 6,000 Cycles
120VAC, 125VA (Pilot Duty), 6,000 Cycles

Manual Reset

30% below operating temperature

Insulation Resistance

≥100MΩ (with a 500VDC Megger)

Circuit Resistance

≤50mΩ (initial value) (Silver 603U-H)
≤10mΩ (initial value) (Gold 603K)

Dielectric Strength

1,500VAC/1-min (Silver 603U-H)
1,200VAC/1-min (Gold 603K)

Certifications

UL (E145478, XAPX2) (M1-Type)
c-UL (E145478, XAPX8), VDE

RoHS 
Compliant

For more information on Selco Products please visit us at: www.selcoproducts.com

