

# Hermetically Sealed 1/2" Disc Thermostats

## KC/KO (4344) Series



The Selco hermetically sealed thermostat is a snap-action disc control. Its welded, hermetically sealed construction was designed for applications where maximum shock and vibration resistance is required. The steel case provides protection from dust and moisture. Terminals are a solder type or weld and lead wires are available.

Gold contacts are available upon request.

Models available from stock - subject to availability  
**KO - Open On-Rise (normally closed)**

Model Number	Open °F	Close °F
KO-450	450 ± 12	370 ± 12
KO-550	550 ± 25	470 ± 25

Temperature Settings - Special Order

Operating Temp. Range (°F)	Available Differential Range °F			Opening Temp. Tol (±°F)	Closing Temp. Tol (±°F)
	Min.	Std.	Max.		
-65 to -1	25	30	80	10	8
0 to 200	9	20	80	5	5
201 to 300	20	30	80	8	6
301 to 450	30	40	80	12	12
451 to 550	60	70	80	25	25

### FEATURES

- Compact size
- Hermetically sealed
- Extreme low & high temps.

### APPLICATIONS

- Military
- Aerospace
- Water temperature control

### SPECIFICATIONS

<b>Dielectric strength</b>	1250VAC, rms, 60 cycles for 1 minute, terminal to case; per MIL-STD-202, Method 301
<b>Switch action</b>	SPST (snap-action)
<b>Ambient temperature</b>	-80°F to +550°F (-62°C to 288°C)
<b>Contact resistance</b>	0.050 Ω per max. per MIL-STD-202, Method 307
<b>Shock resistance</b>	100G, 6 milliseconds, per MIL-STD-202, Method 213
<b>Vibration resistance</b>	5-2000 cps, 20G per MIL-STD-202, Method 204, Condition D
<b>Moisture resistance</b>	MIL-STD-202, Method 106
<b>Salt spray</b>	MIL-STD-202, Method 101, Condition B, 5% solution
<b>Leakage</b>	1 x 10 <sup>-6</sup> ATM cc/sec. max., per MIL-STD-202, Method 112, Condition C
<b>Approvals</b>	UL File No. E34618 <b>UL File Number found under Texas Instr. 4344</b> C-UL File No. E34618, XAPX8 RoHS Compliant

### Contact Ratings (Resistive)

30VAC/DC	125VAC	250VAC	Life Cycles
Amperes			
5.0	2.5	1.0	100,000
5.5	3.0	1.5	50,000
6.0	4.0	2.0	25,000
6.5	5.0	2.5	10,000
7.0	6.0	3.0	5,000

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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