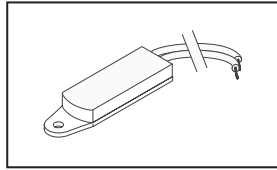


Control Thermostats

These thermostats were developed as a small, inexpensive, high performance bimetal thermostat which can be used as a controller. These thermostats use a sharp semipermanent, snap spring with a flat non-distorting bimetal.



ADVANTAGES:

- High precision • Snap action • Narrow differential • Water resistant • Extreme long life

APPLICATIONS:

- Heating appliance • Water bed heaters • Blanket heaters • Antifreeze sensors • Medical applications

Switch Temp. (°C)	Digi-Key Part No.	Price Each				Cantherm Part No.
		1	10	50	100	
Normally Closed						
15	317-1389-ND	68.24	59.72	39.76	34.13	MQT8K015XB
20	317-1388-ND	68.24	59.72	39.76	34.13	MQT8K020XB
37	317-1390-ND	68.24	59.72	39.76	34.13	MQT8K037XB
Normally Open						
0	317-1386-ND	68.24	59.72	39.76	34.13	MQT8K000XBARB
5	317-1387-ND	68.24	59.72	39.76	34.13	MQT8K005XBARB
20	317-1393-ND	68.24	59.72	39.76	34.13	MQT8K020YB
25	317-1391-ND	68.24	59.72	39.76	34.13	MQT8K025YB
35	317-1392-ND	68.24	59.72	39.76	34.13	MQT8K035YB

TS3 Series Moxie[®] Thermal Sensors

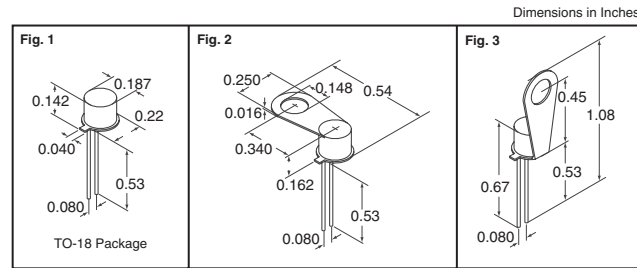
Moxies are variable resistance NTC thermal sensors having a highly specific "transition region". Within this transition region the devices exhibit a coefficient from -40%/°C - -200%/°C. Below the transition region they exhibit a linear "thermistor" characteristic of -2 - -4%/°C.

Technical Data: • Maximum Allowable Operating Temperature: 120°C • Minimum Allowable Operating Temperature: -40°C • Maximum Allowable Operating Voltage @ 25°C: 125VAC • Maximum Allowable Operating Power (Any Temperature): Normal use less or equal to 0.5mWatt • Insulation Strength (Between Leads and Cap): 600VDC • Conductors: Gold plated leads

Note: Please see data sheet for additional electrical characteristics.

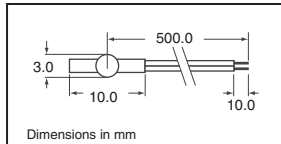
TYPICAL RESPONSE CHARACTERISTICS				
Temp. Coefficient (%/°C)	TS3-57	TS3-65	TS3-75	TS3-85
Pre-Transition	-2.0	-4.0	-3.5	-3.0
Transition	-100	-200	-70	-40
Post-Transition	-0.25	-0.5	-1.0	-1.5

Fig.	Switching Temperature	Digi-Key Part No.	Price Each			Cantherm Part No.
			1	10	50	
1	57°C	317-1098-ND	5.43	4.76	3.20	TS3-57
2	57°C	317-1099-ND	5.98	5.24	3.49	TS3-57B3
3	57°C	317-1100-ND	5.98	5.24	3.49	TS3-57C3
1	65°C	317-1101-ND	5.43	4.76	3.20	TS3-65
2	65°C	317-1102-ND	5.98	5.24	3.49	TS3-65B3
3	65°C	317-1103-ND	5.98	5.24	3.49	TS3-65C3
1	75°C	317-1104-ND	5.43	4.76	3.20	TS3-75
2	75°C	317-1105-ND	5.98	5.24	3.49	TS3-75B3
3	75°C	317-1106-ND	5.98	5.24	3.49	TS3-75C3
1	85°C	317-1107-ND	7.47	6.79	6.40	TS3-85
2	85°C	317-1108-ND	8.23	7.48	6.96	TS3-85B3
3	85°C	317-1109-ND	8.23	7.48	6.96	TS3-85C3



YGM Series PTC Thermistors

PTC thermistors act as thermal protection for electrical machines, and are well known particularly as motor-protectors. PTC thermistors have a non-linear resistance/temperature response, and at a specified temperature the resistance changes rapidly to a very high value.



Technical Data:

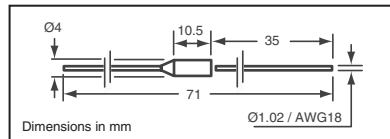
- Maximum Allowable Operating Temperature: 200°C
- Maximum Allowable Operating Voltage at 25°C: U maximum 25V
- Maximum Allowable Power Dissipation at 25°C: 690mW
- Insulation strength (between leads and outer insulation) also for threaded sensor: 2.5kV

Response Temperature	Wire Color Code	Digi-Key Part No.	Price Each			Cantherm Part No.
			1	10	50	
80°C	White - White	317-1110-ND	4.85	4.25	2.83	YGM1-C508
90°C	Green - Green	317-1111-ND	4.85	4.25	2.83	YGM1-C509
100°C	Red - Red	317-1112-ND	4.85	4.25	2.83	YGM1-C510
110°C	Brown - Brown	317-1113-ND	4.85	4.25	2.83	YGM1-C511
120°C	Grey - Grey	317-1114-ND	4.85	4.25	2.83	YGM1-C512
130°C	Blue - Blue	317-1115-ND	4.85	4.25	2.83	YGM1-C513
140°C	White - Blue	317-1116-ND	4.85	4.25	2.83	YGM1-C514
145°C	White - Black	317-1117-ND	4.85	4.25	2.83	YGM1-C545
150°C	Black - Black	317-1118-ND	4.85	4.25	2.83	YGM1-C515
155°C	Blue - Black	317-1119-ND	4.85	4.25	2.83	YGM1-C655
160°C	Blue - Red	317-1120-ND	4.85	4.25	2.83	YGM1-C516
170°C	White - Green	317-1121-ND	4.85	4.25	2.83	YGM1-C517
180°C	Red - White	317-1122-ND	4.85	4.25	2.83	YGM1-C518

Thermal Fuses

Description:

Thermal fuses are components which will automatically open a circuit and switch off an appliance, if the permissible operating temperature of the appliance is exceeded.

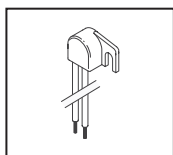


Temperature T _F	Temperature T _H	Digi-Key Part No.	Price Each			Cantherm Part No.
			1	10	50	
66°C	42°C	317-1123-ND	.71	.63	.42	SDJ1-DF066S
72°C	50°C	317-1124-ND	.71	.63	.42	SDJ1-DF072S
77°C	55°C	317-1125-ND	.71	.63	.42	SDJ1-DF077S
84°C	60°C	317-1126-ND	.71	.63	.42	SDJ1-DF084S
91°C	67°C	317-1127-ND	.71	.63	.42	SDJ1-DF091S

Temperature T _F	Temperature T _H	Digi-Key Part No.	Price Each			Cantherm Part No.
			1	10	50	
98°C	76°C	317-1128-ND	.71	.63	.42	SDJ1-DF098S
100°C	78°C	317-1129-ND	.71	.63	.42	SDJ1-DF100S
104°C	80°C	317-1130-ND	.71	.63	.42	SDJ1-DF104S
119°C	95°C	317-1132-ND	.71	.63	.42	SDJ1-DF119S
128°C	106°C	317-1133-ND	.71	.63	.42	SDJ1-DF128S
141°C	117°C	317-1134-ND	.71	.63	.42	SDJ1-DF141S
144°C	120°C	317-1135-ND	.71	.63	.42	SDJ1-DF144S
152°C	128°C	317-1136-ND	.71	.63	.42	SDJ1-DF152S
170°C	146°C	317-1137-ND	.71	.63	.42	SDJ1-DF170S
192°C	162°C	317-1139-ND	.71	.63	.42	SDJ1-DF192S
228°C	193°C	317-1141-ND	.71	.63	.42	SDJ1-DF228S
240°C	200°C	317-1142-ND	.71	.63	.42	SDJ1-DF240S

T_F = Functioning Temperature T_H = Holding Temperature

Thermal Protectors



Switching Temperature	Digi-Key Part No.	Price Each			Cantherm Part No.
		1	10	50	
60°C	317-1395-ND	5.26	4.60	3.07	B1206025AEDA0GE
70°C	317-1396-ND	5.26	4.60	3.07	B1207025AEDA0GE
75°C	317-1397-ND	5.26	4.60	3.07	B1207525AEDA0GE
85°C	317-1398-ND	5.26	4.60	3.07	B1208525AEDA0GE
95°C	317-1399-ND	5.26	4.60	3.07	B1209525AEDA0GE

Switching Temperature	Digi-Key Part No.	Price Each			Cantherm Part No.
		1	10	50	
105°C	317-1400-ND	5.26	4.60	3.07	B1210525AEDA0GE
115°C	317-1401-ND	5.26	4.60	3.07	B1211525AEDA0GE
125°C	317-1402-ND	5.26	4.60	3.07	B1212525AEDA0GE
135°C	317-1403-ND	5.26	4.60	3.07	B1213525AEDA0GE
150°C	317-1404-ND	5.26	4.60	3.07	B1215025AEDA0GE
160°C	317-1405-ND	5.26	4.60	3.07	B1216025AEDA0GE

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