

TB11 Series Motor Thermal Protector

TIME DELAY RESET THERMAL PROTECTOR

The TB11 is a time delay thermal protector for motor protection. It is designed to achieve stable, reliable and long service life.

Features:

- Miniature size with a compact structure
- Low resistance
- Positive make and break with snap-action disc
- High switching contact rating
- Conductive bimetal construction
- Repeatable temperature performance over life
- Heat resistant plastic case
- Gasketed case suitable for impregnation processes
- Current and temperature sensitivity for maximum additional time delay reset function according to demand power 30 Second automatic reset
- Jump type double metal sheet with high reliability and repeatability
- Simple and convenient installation
- Cantilever structure without flashing
- The cantilever structure current self heating effect is weak to facilitate the use of customer distribution
- Can increase the self function
- Preset calibration temperature
- Can be customized to customers requirements

Applications:

- Battery packs
- Vacuum cleaner motor
- DC motor
- Air conditioner motor

Technical Parameters:

Contact rating: AC250V 11A, AC115V 13A - 10,000 cycles
DC24V 15A, DC12V 15A - 10,000 cycles
Standard operating temperature: 45°C ~ 160 °C (Per Level 5 ° C)
Operating temperature tolerance: $\pm 3^{\circ}\text{C}$, $\pm 5^{\circ}\text{C} \pm 8^{\circ}\text{C}$
Reset temperature tolerance: $\pm 10^{\circ}\text{C}$, $\pm 15^{\circ}\text{C}$
Maximum ambient temperature: 180°C
Certificates: UL / VDE / CQC / ISO9001
Applicable Voltage: AC 0~250V, DC0~24V
Lead Wire Voltage: AC660V



Maximum Contact Ratings:

VOLTAGE	CURRENT
12VDC	17AMPS
24VDC	15AMPS
125VAC	13AMPS
250VAC	11AMPS

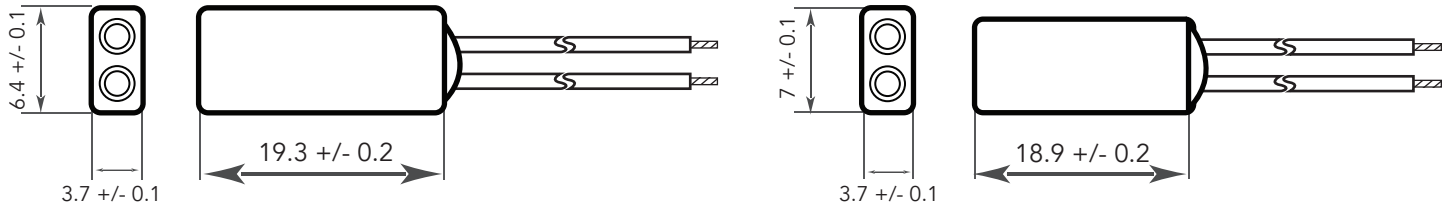


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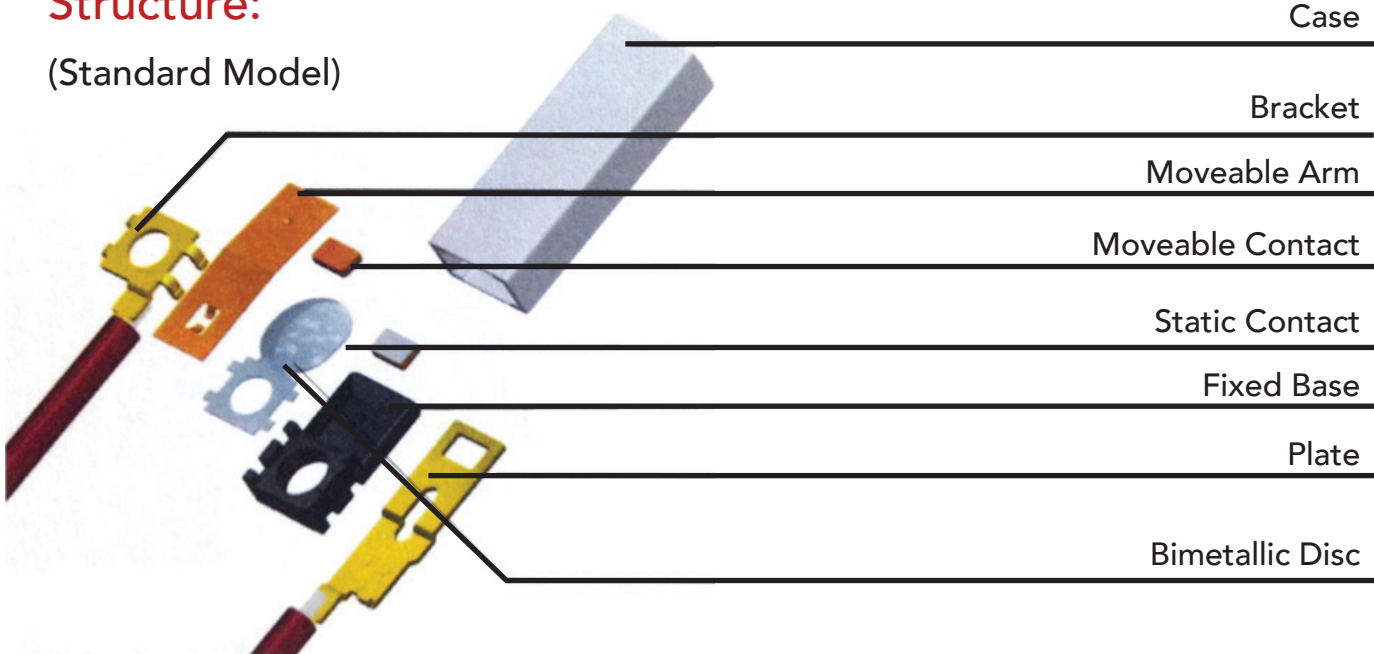
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Dimensions:



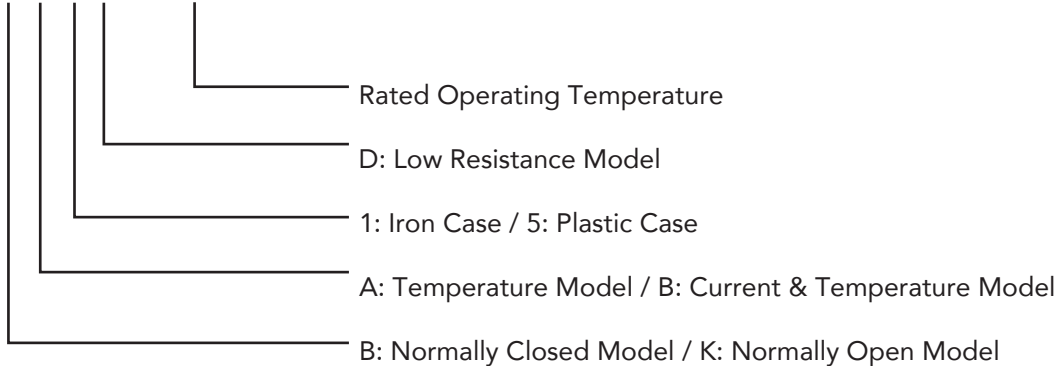
Structure:

(Standard Model)



Code System:

TB11 - X X X X - X X X

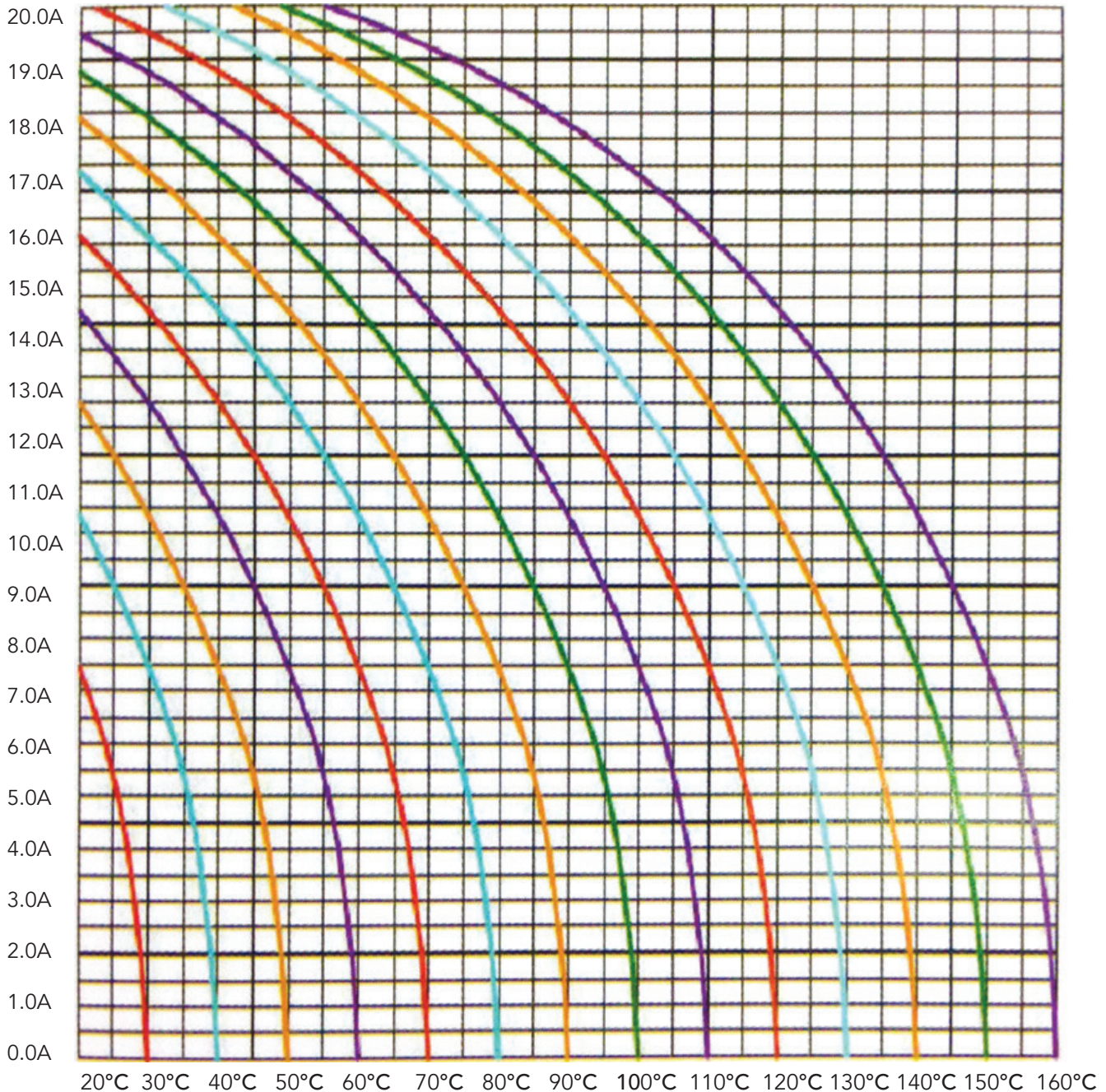


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Temperature Current Curve:



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Open Temp & Reset Temp

30	30+/-3.5°C	≥20°C
35	35+/-4°C	≥25°C
40	40+/-4.5°C	≥30°C
45	45+/-5°C	≥33°C
50	50+/-5°C	≥35°C
55	55+/-5°C	42+/-6°C
60	60+/-5°C	45+/-8°C
65	65+/-5°C	48+/-10°C
70	70+/-5°C	50+/-12°C
75	75+/-5°C	53+/-14°C
80	80+/-5°C	55+/-15°C
85	85+/-5°C	60+/-15°C
90	90+/-5°C	65+/-15°C
95	95+/-5°C	70+/-15°C
100	100+/-5°C	70+/-15°C
105	105+/-5°C	75+/-15°C
110	110+/-5°C	75+/-15°C
115	115+/-5°C	80+/-15°C
120	120+/-5°C	85+/-15°C
125	125+/-5°C	85+/-15°C
130	130+/-5°C	90+/-15°C
135	135+/-5°C	95+/-15°C
140	140+/-5°C	100+/-15°C
145	145+/-5°C	100+/-15°C
150	150+/-5°C	105+/-15°C
155	155+/-5°C	110+/-15°C
160	160+/-5°C	115+/-15°C
165	165+/-5°C	120+/-15°C



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