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## Klixon® PS Series: PSA, PSM and PSM-N 2 to 35 Amp Precision Thermal Breakers

Using a bimetal, snap acting disc as the sensing and actuating element, the Klixon® PS Series thermal circuit breaker provides trouble free over current protection for harsh environments. The PS Series is used in applications such as military vehicles and equipment where precise ultimate trip characteristics are required.

The PS series is available in three configurations:

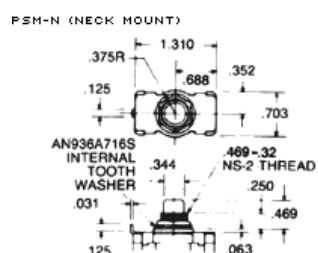
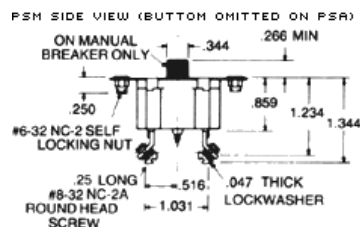
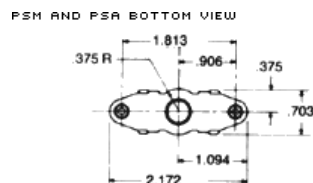
- **PSA:** Open construction, automatic reset
- **PSM:** Sealed construction, manual reset
- **PSM-N:** Sealed construction, manual reset, neck mount

### Applications

- Military vehicles and other equipment where precise ultimate trip characteristics are required

### General Envelope Dimensions

Nominal dimensions provided for reference only.



Above: PSM-N high amp



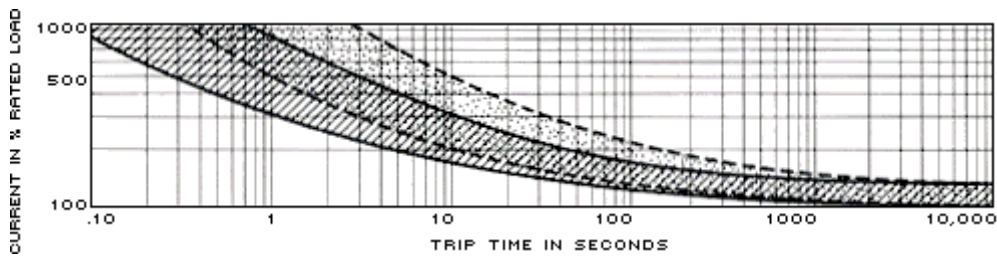
Above: PSA low amp

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### Trip Curve

Approximate Time — Current Characteristics at 77°F (25°C)

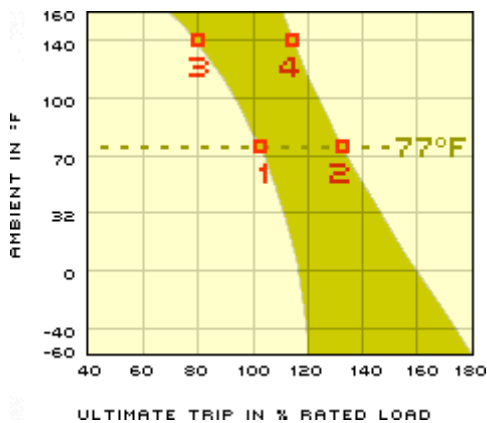


*Dotted Lines: PSA, PSM, PSM-N series (10 amps and below)*

*Solid Lines: PSA, PSM, PSM-N series (above 10 amps)*

### Derating Curve

Approximate Effect of Ambient Temperature on Ultimate Trip



Performance characteristics are based on room temperature (77°F). Consult derating curve at left for ambient temperatures significantly higher or lower than standard room temperature.

Example: At 77°F the device is calibrated to hold at 100% of rated current (1) and trip at 135% of rated current (2). At 140°F, the same device will hold at approximately 78% of rated current (3), and trip at approximately 115% of rated current (4).