

59 Rue Emile Deschanel
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Klixon® Small Frame P Series: PDA and PDM 2 to 40 Amp Precision, Sealed, Ignition Protected Thermal Breakers

- Ignition protected

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

The P series is available in two configurations:

- **PDA:** Sealed construction, automatic reset
- **PDM:** Sealed construction, manual reset

Applications

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

General Envelope Dimensions

Nominal dimensions provided for reference only.

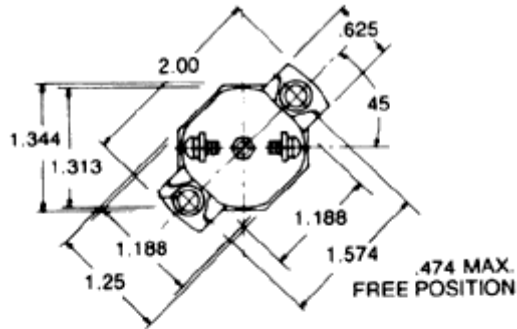


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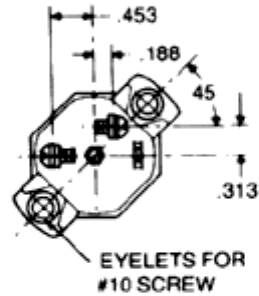
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PDM AND PDR BOTTOM VIEW

12.5-35 AMP DEVICE

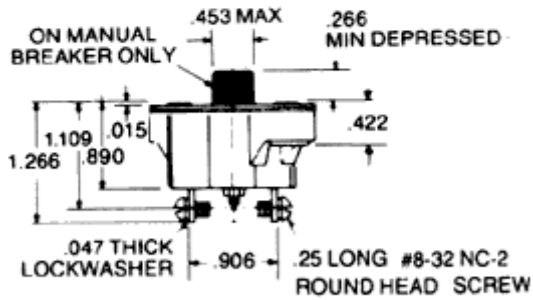


2-10 AMP DEVICE



PDM SIDE VIEW

(BOTTOM OMITTED ON PDR)



#8-32 THREADED MOUNTING BUSHINGS
(FURNISHED UPON REQUEST)

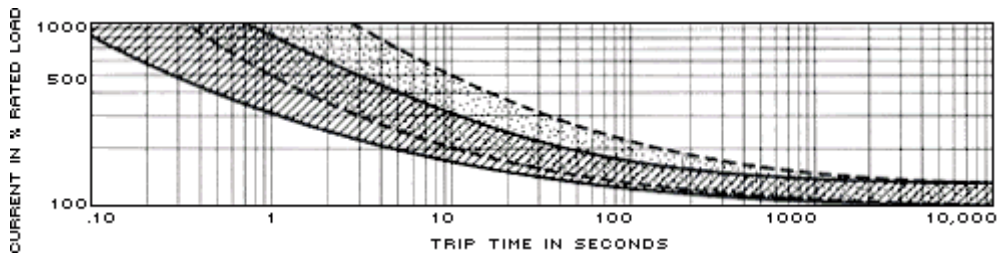


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Trip Curve

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

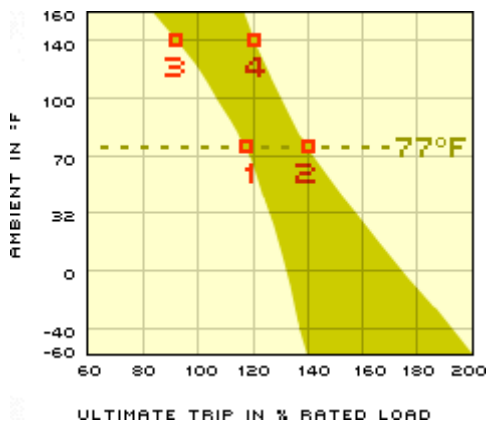


Dotted Lines: Small Frame P series PDA, PDM (10 amps and below)

Solid Lines: Small Frame P series PDA, PDM (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).