Klixon® 7851 and 7854 Series
12.5 to 60 Amp Commercial, Sealed, Ignition Protected Thermal Breakers

- Ignition protected

Similar in construction to the C Series device. Incorporation of the standard stud type terminals affords the design engineer additional design flexibility beyond the screw type terminals found in the C series breaker.

Using a bimetal, snap–acting disc as the sensing and actuating element, this thermal circuit breaker provides trouble free over–current protection for harsh environments.

This device is available in two configurations:
- **7851**: Sealed construction, manual reset (pushbutton)
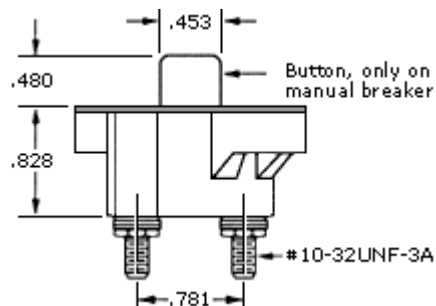- **7854**: Sealed construction, automatic reset

Applications

- Accessory and equipment protection for stern–drive marine engines and other marine applications requiring ignition protected devices
- Battery protection in electric vehicles

General Envelope Dimensions

Nominal dimensions provided for reference only.

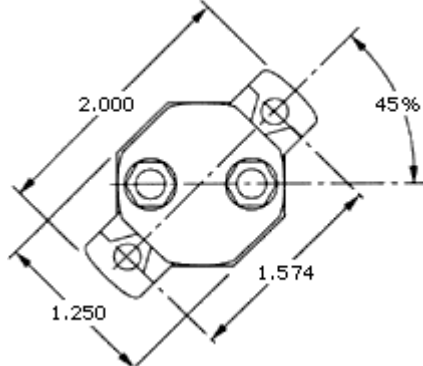**Side View of 7851** (pushbutton omitted for 7854):
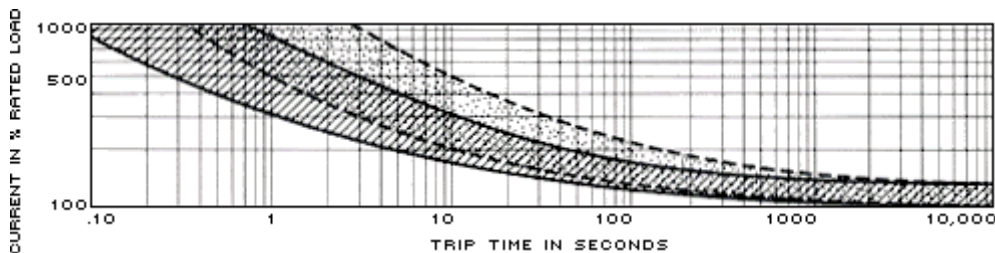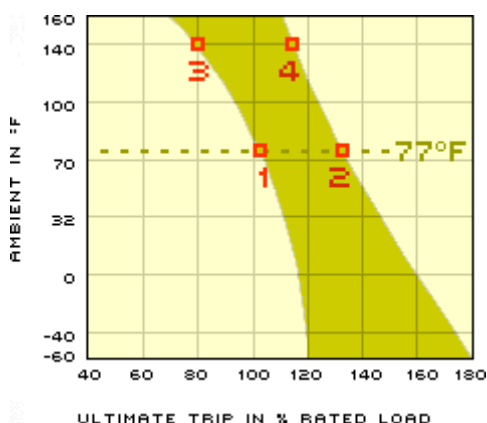

Bottom View of 7851 and 7854:

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

Solid Lines: 7851 and 7854 (above 10 Amps), C series, 6790 Series (above 20 Amps)
Dotted Lines: C series (10 Amps and below), 6790 series (20 Amps and below)

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).