



Specifications and Information Sheet

518432-1TCA Capacitive Trip Device

P/N 1100-7001

PRODUCT DESCRIPTION

The 518432-1TCA capacitor trip device is designed for 120 VAC input. It is used to energize a shunt trip when the trip contacts are closed, completing an electrical connection between terminals 6 and 8. When charged, the device's capacitors can provide current to energize the shunt trip should the 120V source be removed.

When the capacitors are fully charged the Trip Power lamp will illuminate, and the UVR (between terminals 2 and 5) will be energized. The UVR may be temporarily de-energized for test purposes by pressing the UVR Test button.

The Trip Circuit Complete lamp indicates that a shunt coil is in place between terminals 3 and 6.

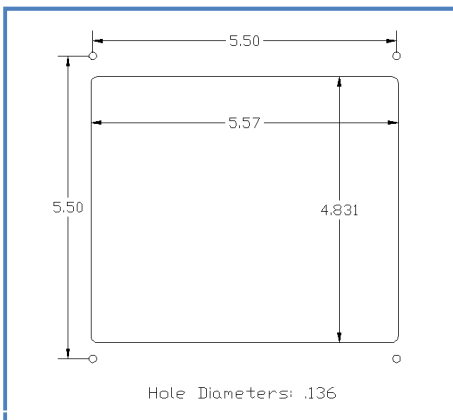
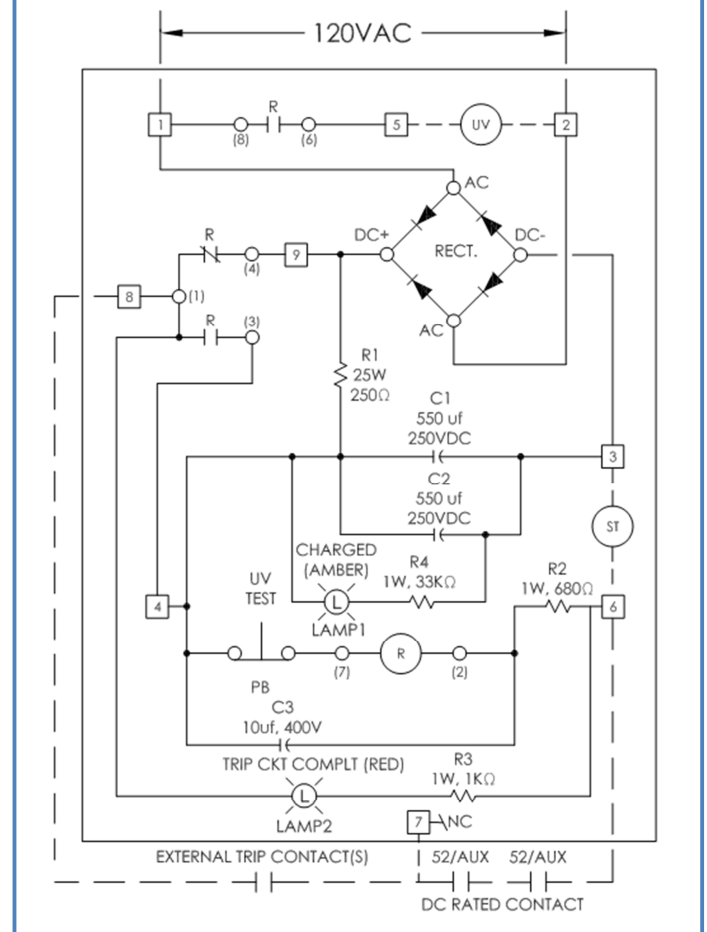
Terminal 7 is not used by the device, and is available for external use, such as shown in the schematic diagram.

The 518432-1TCA is used for high-Z shunt coils, such as are used in the IE175VB circuit breaker. For low-Z shunt coils (e.g. 15 ohms), use the 518432-1TC.

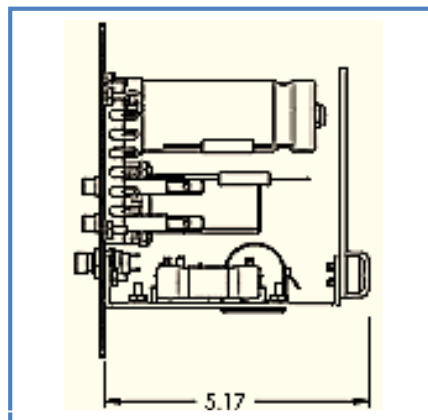
Input / Output Voltage: 120 VAC / 150VDC

Trip Contacts: 10 Amps at 240 VAC Resistive

ELECTRICAL SCHEMATIC



Panel Cutout



Side Detail



Front Panel