

Installation Instructions

Install the Digital Circuit Breaker close to the battery. Hold the Breaker in position and mark each of the three screw locations. Choose screws suitable for the installation location and drill holes appropriate for the screw chosen.

Connect the wires as shown in the illustration. Connect the battery positive wire to the "LINE" side of the Breaker (bottom left in illustration). Connect the positive wire from the Device to the "LOAD" side of the Breaker (bottom right in illustration).

ATTENTION: The Breaker's ground wire must be connected to the battery negative for the breaker to function.

Operating Instructions

Once the digital circuit breaker is connected, the Breaker LEDs will illuminate, allowing you to select the AMP and MODE that is appropriate for your application.

ATTENTION: Refer to the user manual or technical documentation for your device and locate the proper fuse or circuit breaker rating.

- **AMPS** – Press the node next to the word "AMPS" to cycle through four user-selectable current ratings (10, 15, 20, 25) or (30, 40, 50, 60).
- **MODE** – Press the node to choose:
 - **AUTO** – If excessive current is present, the breaker will interrupt (break) the circuit. In **AUTO** Mode, the breaker will automatically reset after 30 seconds. If excessive current remains present, the Breaker will continue to interrupt and **AUTO**-reset until the breaker is turned off or power is disconnected. While in **AUTO** Mode, the breaker may be manually reset by pressing the **RESET** button.
 - **MAN** – If excessive current is present, the breaker will interrupt (break) the circuit. In this mode, the circuit will remain interrupted until the breaker is manually reset. To reset, press the **RESET** button.
 - **ON/OFF** – The breaker may be turned **OFF** by holding the **MODE** button for a few seconds. To turn it back on, press and hold the **MODE** button for a few seconds. The circuit is interrupted when the breaker is **OFF**.

- **RESET** – Press the node to **RESET** the interrupted (broken) circuit. **LED** is illuminated when circuit is interrupted.

LED Display – models with **LED** numerical display indicate Voltage and Current in real time.

Specifications

Single-Pole Digital-type Circuit Breaker

Applications: Typically used in auxiliary and accessory circuits in Marine electrical systems, RV, truck, bus or performance automotive.

Locations: Fully sealed for bilge area and engine compartments

Rating: User selectable 10-25A or 30-60A, for 12-volt systems only, operating range 8-18Vdc

Operating Temperature Rating: –25°F (–32°C) to 180°F (82°C)

Display: LED

Materials: Thermoset plastic base, aluminum housing, thermoset plastic insulated brass nut, brass stud

Termination: 1/4-20 threaded studs

Compliance

SAE J1625, ABYC E-11, CE, SAE J1171 (ignition protected), RoHS (materials), WEEE (recycling)

Models

- T10160 12v Digital Circuit Breaker, 10-25 amps
- T10161 12v Digital Circuit Breaker, 30-60 amps
- T10170 12v Digital Circuit Breaker w/Display, 10-25 amps
- T10171 12v Digital Circuit Breaker w/Display, 30-60 amps

