

TRAC 12v Digital Circuit Breakers

Models

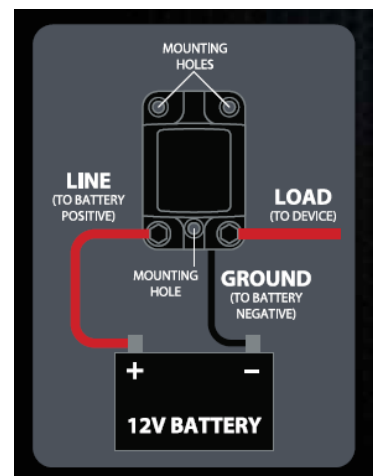
- T10160 12v Digital Circuit Breaker, 10-25 amps
- T10161 12v Digital Circuit Breaker, 30-60 amps
- T10170 12v Digital Circuit Breaker w/Display, 10-25 amps
- T10171 12v Digital Circuit Breaker w/Display, 30-60 amps

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.

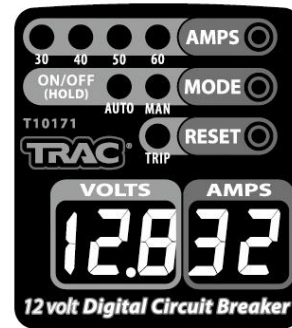
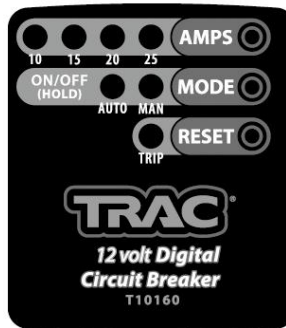


Operating Instructions

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

Compliances

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

TRAC Limited Warranty

This limited warranty is provided by TRAC Outdoor Products Co (TRAC) to the original consumer purchaser (purchaser) of this TRAC product. This limited warranty is not transferable to any other party. TRAC will at its option repair or replace any part(s) of the TRAC product which may be found by TRAC to be defective within two (2) years of purchase. TRAC will pay the shipping charge to the purchaser for any part(s) which may be shipped by TRAC. For warranty repair or replacement, the purchaser must provide dated proof of purchase and notify TRAC of the request for warranty service. The purchaser will notify TRAC by email at info@TRAC-Outdoor.com or by phone at 615-462-6224 for warranty service. TRAC will attempt to provide parts needed. If the product is to be returned, purchaser will be provided a Return Goods Authorization (RGA) number to include with any return for warranty service which will be shipped at the purchaser's expense to the address provided. The purchaser must use reasonable care in maintenance and operation of the product in accordance with this manual. Failure to follow the instructions in the manual will void the warranty. This warranty covers defects in material or workmanship of the TRAC product. This warranty does not cover failure that results from misuse, improper installation, accident, abuse, neglect, modification, or improper maintenance. There is no other express warranty. Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to two (2) years from the date of purchase. Costs of installation or repair by service centers or marine repair facilities are not covered by this warranty. This is the exclusive remedy and any liability for any and all incidental or consequential damages or expenses whatsoever is excluded. Some states do not allow limitations on how long an implied warranty lasts, or do not allow exclusion or limitation of incidental or consequential damages, the above limitations may not apply to you. This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state.