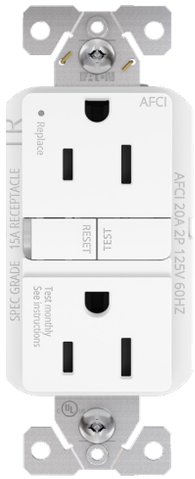
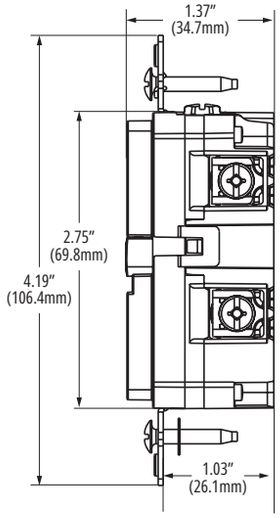
Technical Data
Tamper resistant
Slim AFCI receptacles

Arrow Hart

July 2024

Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:





TRAF15W

AVAILABLE IN THESE COLORS

**For ordering devices, include Cat. no. followed by the color suffix, for example: TRAF15W*

B	BK	GY	LA	V	W
Brown	Black	Gray	Light Almond	Ivory	White

MATERIALS

Housing	Top: Thermoplastic, polycarbonate Bottom: Thermoplastic, PVC
Strap	0.042" thick steel, zinc-plated
Line contacts	0.030" thick brass
Terminal	Brass/nickel-plated steel

SPECIFICATIONS

Electrical	**Dielectric voltage:** Withstands 2000V per UL 498 **Current interrupting:** Yes, at full-rated current **Temperature rise:** Max. 30°C (86°F) after 100 cycles of overload @ 150% of rated current (DC) **Trip time:** Less than 110ms @ Series Arcs above 30A **Frequency:** 60 Hz; Voltage: 125V; **Amperage:** 15A/20A, 20A feed-through **Short circuit testing:** Meets and exceeds 10 kA **Maximum interrupting capacity:** 20 Amps
Testing & code compliance	cULus Listed to UL1699/A and UL498, File no. E341748 Meets all UL1699/A (AFCI) and UL498 (Receptacles) requirements and cULus to CEC part II and CSA C22.2 No.270 and C22.2, No.42. Federal Specification W-C-596H for 20A models
Environmental	**Flammability:** Meets UL 94 requirements; V2 rated **Temperature rating:** -35°C to 66°C (-31°F to 150.8°F) **Operating Areas:** Indoor use Relative Humidity: 98% RH; non-condensing
Mechanical	**Terminal accommodation:** #14 - 10 AWG **Voltage ratings:** Permanently marked on device

Arrow Hart Website
Buyer's Guide Product page

TR TAMPER RESISTANT

DESCRIPTION

2-pole, 3-wire grounding
15A, 125V/AC
20A, 125V/AC

5-15R 5-20R

TAMPER RESISTANT AFCI RECEPTACLES, BACK & SIDE WIRE

Rating A	V/AC	NEMA	Catalog no.	Color suffix
15	125	5-15R	☐**TRAF15__**	B, BK, GY, LA, V, W
20	125	5-20R	☐**TRAF20__***	B, BK, GY, LA, V, W

*Wallplate not included unless specifically stated; *FedSpec certification on 20A only.*

APPLICATIONS

- AFCI receptacles provide protection against unseen arc faults that can result in electrical fires.
- National Electric Code (NEC) mandates AFCI protection in dwelling units areas such as sunrooms, parlors, libraries, dens, rec rooms and closets.
- Other Occupancy types where AFCIs are required:
  - Dormitories
  - Guest rooms and guest suites of hotels and motels
  - Areas used exclusively as patient sleeping rooms in nursing homes and limited care facilities
  - Areas designed for use exclusively as sleeping quarters in fire stations, police stations, ambulance stations, rescue stations, ranger stations, and similar locations

DESIGN FEATURES

- Slimmer design for easy installation, leaving more room for wires in the box
- Child-safety black tamper resistant shutters help prevent improper insertion of foreign objects
- AFCI Receptacles incorporate lock-out functionality to protect against mis-wired line-load connections and AFCI circuitry damage
- Wider button wells for easy TEST and RESET
- Intuitive LED status indicators for trip and end of life states
- Clean, modern industrial design with reduced top housing markings and neutral text direction on buttons
- Meets and exceeds 10kA short circuit testing and Underwriters Laboratories UL 1699A and UL 498 Safety standards
- Automatic grounding system eliminates need for bonding jumper in grounded metal enclosure, provides redundant measure of ground continuity where jumper is used
- External backwire clamps provide visual confirmation of secure termination
- Line side terminals are backed out and staked for fast installation

COMPLEMENTARY PRODUCTS

Wallplates	PJS26, PJS262

SEE TRIP INDICATOR CHART ON PAGE 2

ADDITIONAL RESOURCES

Scan QR code for additional marketing collateral

Powering Business Worldwide

TRIP INDICATORS

RESET Indicator LED	EOL Indicator Light	Diagnosis	Actions
OFF	OFF	Device is functioning properly, OR branch circuit has no power	Manually press the TEST button to trip device. RESET indicator light should come on. • If RESET indicator light does not come ON, check if there is power to the branch • If RESET indicator light does come ON, manually press the RESET button to restore power to the device • If AFCI receptacle does not reset, contact an electrician to replace the device • If AFCI receptacle does reset, device is functioning properly
ON	OFF	Device is in tripped state	Manually press the RESET button to restore power to the device • If AFCI receptacle does not reset, contact an electrician replace the receptacle
1 Blink/2sec	OFF	Series Arc	Manually press the RESET button to restore power to the device • If AFCI receptacle continues to trip, contact an electrician to locate and repair the series arc fault
2 Blinks/2sec	OFF	Parallel Arc	Manually press the RESET button to restore power to the device • If AFCI receptacle continues to trip, contact an electrician to locate and repair the parallel arc fault
4 Blinks/3sec	OFF	Overvoltage	Manually press the RESET button to restore power to the device • If AFCI receptacle continues to trip, contact an electrician to locate and repair the overvoltage condition
ON or OFF	Blinking continuously or Solid ON	Device is in “end of life” state and must be replaced	Manually press the RESET button to restore power to the device • If AFCI receptacle continues to trip, contact an electrician to replace the device

Powering Business Worldwide

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