

18x16x08 Fiberglass Polyester FRP Weatherproof Outdoor IP24 NEMA 3R Enclosure, 802.3af PoE MNT PLT, Solid State Thermostat 48 VDC Fan Gray



TEF181608-40FSAF

Features

- Molded Fiberglass Reinforced Polyester (FRP) industrial enclosure
- Stainless steel quick release latches with padlock hasps
- NEMA Type 3R / IP24 rated
- Fully gasketed vented lid with filters & integral mounting flange
- Features aluminum mounting plate with 802.3af compatible PoE interface & solid state thermostat controlled cooling system

Applications

- Remote Wireless LAN WiFi equipment installations
- Indoor and outdoor installations
- Rapid Deployment Installations
- Corrosive environments & hotspot applications
- Protection of equipment from theft or damage

Description

The box is a rugged weatherproof enclosure that is ideal for both indoor and outdoor applications. Constructed from molded fiberglass reinforced polyester, it is well suited for high temperature or corrosive environments. The integrated mounting flange allows it to be mounted directly to any flat wall surface provided proper screws are used into secure studs. The enclosure can also be mounted to a wide diameter range of poles with one of our optional pole mounting hardware kits. The lid features a stainless steel continuous hinge and stainless steel quick release latches with padlock hasps. Includes fully gasketed vented lid with filters & integral mounting flange. The enclosure material is UV stabilized and comes in machine tool gray.

Mounting Plate

The aluminum mounting plate included with the TEF181608-40FSAF features an 802.3af compatible PoE interface to power the thermostatically controlled cooling fan. The fan can be powered by the majority of 802.3af compliant switches, midspans or injectors operating in Mode A or B with normal or inverted polarity. The caveat is the fan requires its own PoE interface, usually from a spare port on the switch or midspan. At least two ethernet cables must be pulled to the enclosure, one to power the fan, and one or more for the equipment. This eliminates the need for a separate PoE injector as required by other of our PoE enclosures. The enclosure also features holes for two N-Bulkhead lightning protectors or connectors, a grounding lug, and a cable conduit connector.

Cooling

To help ensure trouble-free operation of electronic equipment, proper operating temperatures inside an enclosure need to be controlled. With the built-in dual cooling fans, internal temperatures can be better maintained. This model is ideal in hot environments. The fans are controlled by an integral high current solid state AC relay. The relay features Zero Cross Detection for EMI reduction.

For cooling the TEF181608-40FSAF model includes our exclusive solid state temperature controller connected to dual 5.3W (10.6W total) fans. The high airflow, low noise fans used allow warm air to be actively pushed out the top vent while the second fan on the lower vent actively pulls in outside air into the enclosure. Filters for both ports prevent foreign objects or debris from entering the enclosure. The controller features improved temperature set point accuracy. The fans turn on when the internal temperature rises to 90° F (32° C) ±5° and turn off at 81° F (27° C) ±5°. No extra room for the controller is required since it is mounted underneath the plate.

The TEF-PMT series of pole mounting kits allow the populated enclosure to be securely mounted to a variety of different size poles.

Compatible versions include TEF-PMT13, TEF-PMT16, TEF-PMT28, TEF-PMT29, TEF-PMT30 & TEF-PMT33

Mechanical Specifications

Size

Outer Height	19.5 in	[495.3 mm]
Outer Width	17.5 in	[444.5 mm]
Outer Depth	10 in	[254 mm]
Inner Height	17.7 in	[449.58 mm]
Inner Width	15.7 in	[398.78 mm]
Inner Depth	8.4 in	[213.36 mm]

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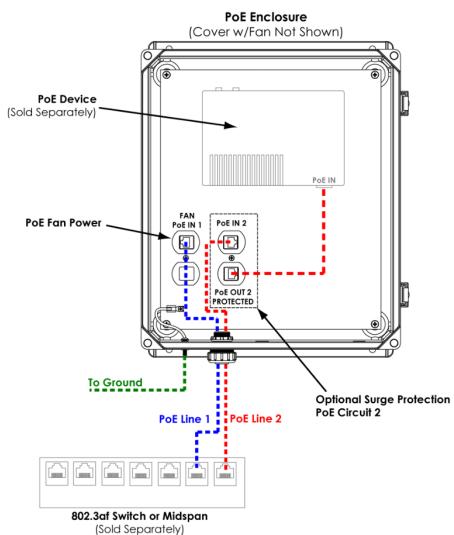
TEF181608-40FSAF

Weight

Enclosure Material

19.8 lbs [8.98 kg]

Fiberglass Reinforced Polyester (FRP)



Environmental Specifications

Temperature Rating
 NEMA Rating
 Ingress Protection (IP) Rating

-50 to +150 degC
 3R
 IP24

Compliance Certifications

UL Listed

No

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Additional Data

Transtector Systems specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [18x16x08 Fiberglass Polyester FRP Weatherproof Outdoor IP24 NEMA 3R Enclosure, 802.3af PoE MNT PLT, Solid State Thermostat 48 VDC Fan Gray TEF181608-40FSAF](#)

URL: <https://www.transtector.com/18x16x08-fiberglass-polyester-frp-weatherproof-outdoor-ip24-tef181608-40fsaf-p.aspx>

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TEF181608-40FSAF CAD Drawing

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