

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



## TEF181608-40FAF

### 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 & 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 TEF181608-40FAF 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.

For cooling the TEF181608-40FAF model includes two thermostat-controlled 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 fans turn on when the internal temperature rises to 120° F (49° C) ±5° and turn off at 90° F (32° C) ±10°.

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

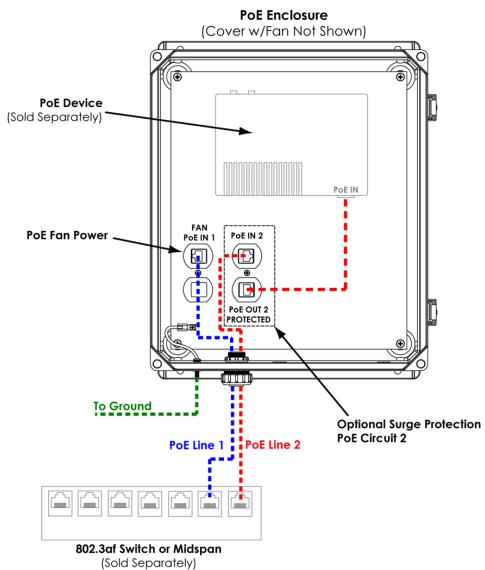
#### Size

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]
Weight	lbs [0 g]	
Enclosure Material	Fiberglass Reinforced Polyester (FRP)	

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## Environmental Specifications

Temperature Rating	-50 to +150 degC
NEMA Rating	3R
Ingress Protection (IP) Rating	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 Reinf Polyester FRP Weatherproof Outdoor IP24 NEMA 3R Enclosure, 802.3af PoE MNT PLT, MECH Thermostat 48 VDC Fan Gray TEF181608-40FAF](#)

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

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# TEF181608-40FAF CAD Drawing

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