

14x12x07 Fiberglass Polyester FRP Weatherproof
Outdoor IP24 NEMA 3R Enclosure, 802.3af PoE MNT
PLT, Solid State Thermostat 48 VDC Fan Gray



TEF141207-40FSAF

Features

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

Applications

- Remote network appliance equipment using 802.3af compatible Power-Over-Ethernet
- Wireless Access Points and bridges in indoor and outdoor installations
- Upstream PoE switches
- Hotspot
- 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 be also be mounted to a wide diameter range of poles with one of our optional pole mounting hardware kits.

The raised 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 TEF141207-40FSAF 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 cooling fan, 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 TEF141207-40FSAF model includes our exclusive solid state temperature controller connected to a 5.3W fan. The high airflow, low noise fan used allows warm air to be actively pushed out the top vent while the lower vent passively 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 fan turns on when the internal temperature rises to 90° F (32° C) ±5° and turns 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

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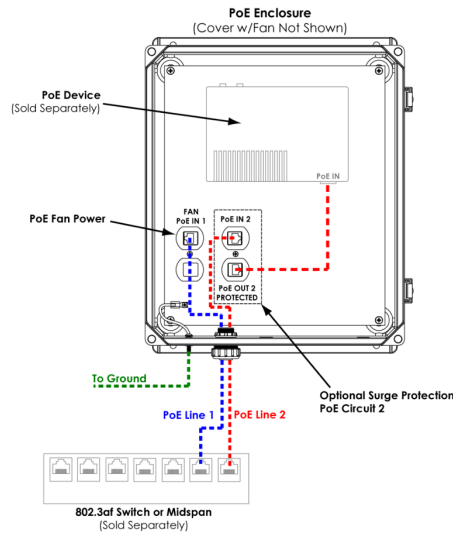


TEF141207-40FSAF

Mechanical Specifications

Size

Outer Height	15.5 in	[393.7 mm]
Outer Width	13.32 in	[338.33 mm]
Outer Depth	8.26 in	[209.8 mm]
Inner Height	14 in	[355.6 mm]
Inner Width	12 in	[304.8 mm]
Inner Depth	7.95 in	[201.93 mm]
Weight	12.3 lbs	[5.58 kg]
Enclosure Material	Fiberglass Reinforced Polyester (FRP)	



Environmental Specifications

Temperature Continuous	-50 to +150°C
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: [14x12x07 Fiberglass Polyester FRP Weatherproof Outdoor IP24 NEMA 3R Enclosure, 802.3af PoE MNT PLT, Solid State Thermostat 48 VDC Fan Gray TEF141207-40FSAF](https://www.transtector.com/14x12x07-fiberglass-polyester-frp-weatherproof-outdoor-ip24-tef141207-40fsaf-p.aspx)

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TEF141207-40FSAF CAD Drawing

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