

14x12x07 Fiberglass Reinforced Polyester FRP Weatherproof  
 Outdoor IP24 NEMA 3R Enclosure, 120 VAC MNT  
 PLT, Power Saver Controlled Dual Fans Gray



## TEF141207-10FSD

### Features

- Molded Fiberglass Reinforced Polyester (FRP) industrial enclosure with two high flow electronically controlled cooling fans
- 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 surge protected duplex 120 VAC outlets & solid state controlled cooling system
- Power saver version: dual-fan control, each fan set to different temperature settings

### Applications

- Remote wireless LAN WiFi equipment installations
- Indoor and outdoor installations
- Hot temperature environments
- Corrosive environments & 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 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 TEF141207-10FSD features standard surge protected duplex 120 VAC outlets and a terminal block for easy hook up to the externally provided line power. The enclosure also features holes for two N-Bulkhead Lightning Protectors or Connectors, a grounding lug and 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 "Power Saver" feature is designed to reduce electrical usage as well as extend the life of the fans which are controlled by our exclusive dual fan solid state controller. The relays provide independent control for each of the fans with two different turn-on temperatures. The relays also feature Zero Cross Detection for EMI reduction.

For cooling, the TEF141207-10FSD comes with two independently controlled 120 VAC 16.4W (32.8W total) cooling fans installed. 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 when it turns on 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 top fan has a turn-on temperature of 90° F (32° C). If the temperature continues to climb to 100°F (38°C), the lower fan turns on. When the temperature drops back to 91° F (33° C), the lower fan turns off. When the temperature drops to 81°F (27°C), the top fan turns off. The dual fan design offers energy efficiency. The cooling fans do not require the use of any of the AC outlets, leaving them all available for your equipment.

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  
 Outer Width

15.5 in [393.7 mm]  
 13.32 in [338.33 mm]

14x12x07 Fiberglass Reinf Polyester FRP Weatherproof  
Outdoor IP24 NEMA 3R Enclosure, 120 VAC MNT  
PLT, Power Saver Controlled Dual Fans Gray



## TEF141207-10FSD

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	12.5 lbs	[5.67 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
-----------	----

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 Reinf Polyester FRP Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120 VAC MNT PLT, Power Saver Controlled Dual Fans Gray TEF141207-10FSD](https://www.transtector.com/14x12x07-fiberglass-reinf-polyester-frp-weatherproof-outdoor-tef141207-10fsd-p.aspx)

URL: <https://www.transtector.com/14x12x07-fiberglass-reinf-polyester-frp-weatherproof-outdoor-tef141207-10fsd-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Transtector reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Transtector does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Transtector does not assume liability arising out of the use of any part or document.

# TEF141207-10FSD CAD Drawing

14x12x07 Fiberglass Reinforced Polyester FRP Weatherproof Outdoor IP24 NEMA 3R  
Enclosure, 120 VAC MNT PLT, Power Saver Controlled Dual Fans Gray

