

14x12x07 Stainless Steel Weatherproof Outdoor IP24 NEMA 3R Enclosure,
120VAC Mount Plate User Adjustable Thermostat Heat & Fan

TESS141207-1HFA2



Features

- 16ga. Brushed 304 Stainless Steel
- 304 Stainless steel latch with padlock eye
- NEMA Type 3R / IP24 rated
- Fully gasketed vented lid with filters, integral welded mounting flange & 316 Stainless steel hinge and removable pin
- Features aluminum mounting plate with surge protected duplex 120 VAC outlets & heating and cooling system with user adjustable thermostat

Applications

- Electrical & Electronics Instruments, Controls & Components, Wireless LAN WiFi equipment
- Indoor and outdoor installations
- Rapid Deployment Installations
- EMI/RFI Sensitive environments/equipment
- 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 16ga. Brushed 304 Stainless Steel that provides superior protection against corrosion, chemicals and wet conditions. The enclosure is constructed with UV protected and impact resistant material to ensure protection in any environment. The lid includes two vents with installed rain guards and filters. The integrated welded mounting flange allows the enclosure 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 range of pole diameters with one of our optional pole mounting hardware kits. The fully gasketed lid features a 316 stainless steel removable hinge pin that allows for quick removal & reattachment with only a pair of pliers. The enclosure comes with a 304 stainless steel latch with padlock eye allowing you to secure the enclosure from tampering.

Mounting Plate

The aluminum mounting plate included with the TESS141207-1HFA2 features standard surge protected duplex 120 VAC outlets and a terminal block for easy hook up to externally provided line power. The enclosure also features holes for two N-Bulkhead Lightning Protectors or Connectors, a grounding lug and cable conduit connector.

Heating & Cooling

To help ensure trouble-free operation of electronic equipment, proper operating temperatures inside an enclosure need to be controlled. With the built-in Heater and Cooling fan, internal temperatures can be better maintained. This model is ideal in hot and/or cold environments.

For Heating the TESS141207-1HFA2 includes a thermostat-controlled 200W heater. The heater does not require the use of any of the AC outlets, leaving them all available for your equipment. No extra room for the heater is required since it is mounted underneath the plate.

For Cooling the TESS141207-1HFA2 model includes a thermostat-controlled 16.4W 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. Like the heater, the cooling fan does not require the use of any of the AC outlets, leaving them all available for your equipment.

User Adjustable Thermostat

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [14x12x07 Stainless Steel Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120VAC Mount Plate User Adjustable Thermostat Heat & Fan TESS141207-1HFA2](#)

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The 1HFA2 series features an adjustable thermostat that incorporates two separate thermostats, allowing the independent control of heating and cooling. The thermostat provides a temperature range of +14°F to +122°F for the heating and +68°F to +176°F for the cooling systems with a switching difference of 12°F ±7°F tolerance.

The heat thermostat features a Normally Closed (NC) circuit. When the temperature rises to the temperature set on the heat adjustment dial the circuit opens which turns off the heater. When the temperature falls below the temperature set on the heat adjustment dial the circuit closes which turns on the heater.

The cooling thermostat features a Normally Open (NO) circuit. When the temperature rises to the temperature set on the cooling adjustment dial the circuit closes which turns on the cooling fan. When the temperature falls below the temperature set on the cooling adjustment dial the circuit opens which turns off the cooling fan.

< WARNING >

Recommended Temperature Setting for the Heater should only be between 14° to 40°F

Recommended Temperature Setting for the Fan should only be between 80° to 120°F

Setting the Heater too high and the Fan too low can result in a conflict wherein the unit might try to continue to heat while simultaneously trying to cool it.

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

Size

Outer Height	14.5 in	[368.3 mm]
Outer Width	13 in	[330.2 mm]
Outer Depth	7.83 in	[198.88 mm]
Inner Height	14.4 in	[365.76 mm]
Inner Width	12 in	[304.8 mm]
Inner Depth	7.69 in	[195.33 mm]
Weight	23.8 lbs	[10.8 kg]
Enclosure Material	304 Stainless Steel	

Environmental Specifications

Temperature Rating	-40° to 265° F [-40° to 129° C]
NEMA Rating	3R
Ingress Protection (IP) Rating	IP24

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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.

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TESS141207-1HFA2 CAD Drawing

