![TRANSTECTOR an INFINITE brand]

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

TESS141207-1HFS

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 & solid state thermostat controlled heating and cooling system

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 TESS141207-1HFS 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 needs 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 TESS141207-1HFS includes our exclusive solid state temperature controller that utilizes a 200W heater. The controller features improved temperature set point accuracy. The heater turns on when the internal temperature drops to 16° F (-9° C) ±5° and turns off when the temperature hits 25° F (-4° C) ±5°. 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 TESS141207-1HFS model includes our exclusive solid state temperature controller connected to a 16.4W fan. The high airflow, low noise fan used allows warm air to be actively pushed out 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

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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°. Like the heater, the cooling fan does 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

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	21.8 lbs	[9.89 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

Compliance Certifications

UL Listed	No

Transstector 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 Stainless Steel Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120VAC Mount Plate Solid State Thermostat Heat & Fan TESS141207-1HFS

URL: https://www.transtector.com/14x12x07-stainless-steel-weatherproof-nema-3r-enclosure-tess141207-1hfs-p.aspx

14x12x07 Stainless Steel Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120VAC Mount Plate Solid State Thermostat Heat & Fan
TESS141207-1HFS CAD Drawing

STAINLESS STEEL LATCH

.75[19.1]

16.00[406.4]

14.50[368.3]

SOLID STATE CONTROLLER

15.20 [381.0]

10.000[254.00]

4X Ø.32[8.1] THRU

HEATER

2X 12.00[304.8]

LID NOT SHOWN FOR CLARITY

13.00[330.2]

14.50[368.3]

2X SCREEN

2X VENT COVER

VIEW A-A

5.98[151.9]

5.16[130.9]

.10[2.5]

MTG PLATE ASSY

FAN

13.01[330.5] BASE OPENING

(.060[1.52])

(.075[1.91])

SECTION B-B

9.08[230.5]

11.18[284.0] BASE OPENING

1/2" CONDUIT CONNECTOR

GND LUG

7.83[98.8]

C

DETAIL C 2X

.625[5.88]

.578[14.68]

THIRD-ANGLE PROJECTION

SHEET 1 OF 1

SCALE N/A

REV A

TRANSTECTOR
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SIZE	CAGE CODE	DRAWN BY	ITEM NO.	
A	30992	DZINN	TESS141207-1HFS	

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:
X = ± 2 [5.08]   FRACTIONS
.XX = ± .02 [.51]   ± 1/32
.XXX = ±.005 [.13]   ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:
L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5% L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

T-Rev.D

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