14x12x07 Fiberglass Polyester FRP Weatherproof Outdoor IP66 NEMA 4 Insulated Enclosure, PoE MNT PLT, Pwr Supply Incl, Thermostat Heat Gray

TEF141207-4H0N

Features

- Molded Fiberglass Reinforced Polyester (FRP) industrial enclosure with foam insulation to minimize heat loss in sub-zero installations
- Stainless steel quick release latches with padlock hasps
- NEMA Type 4 / IP66 rated*
- Fully gasketed raised lid & integral mounting flange
- Features aluminum mounting plate & thermostat-controlled heating system
- Power provided to the heating system from remote mounted DC injector and power supply (included)

Applications

- Remote wireless LAN WiFi equipment installations
- Indoor/outdoor installations
- 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 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 lid & integral mounting flange.

The enclosure material is UV stabilized and comes in machine tool gray.

Mounting Plate

The modified aluminum mounting plate included with the TEF141207-4H0N comes pre-drilled and cut holes to use as needed to mount WLAN equipment or whatever equipment you may require. The drawing displays the hidden lines indicating the location of components mounted on the back of the plate and should be avoided when drilling into the plate.The enclosure also features holes for two N-Bulkhead lightning protectors or connectors, a grounding lug, and a cable conduit connector.

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

*Note: Enclosure ports (cable conduit connector and N-type holes for lightning protectors or connectors) must be properly sealed to maintain NEMA Type 4 / IP66 rating.

Sub-zero Applications

The TEF141207-4H0N enclosure is designed for use in sub-zero environments down to -30°F (-34°C). It features a 48 VDC 50W thermostat controlled heating system that will, along with the heat generated by an internal device such as an access point, maintain a nominal internal ambient temperature of +40°F (4°C). A single CAT5 cable provides power to the heating system from a remote mounted DC Injector and Power Supply which are included with the enclosure. An additional CAT5 cable would then be used to supply data and power to installed PoE equipment.

This enclosure includes:

(1) TEF14-C5-TE2 - DC Injector: used to supply heating system power to a single TEF141207-4H0N Sub-Zero Heated Enclosure.

(1) PS4870-25R - 70W Power Supply for TEF14-C5-TE2 DC Injector: 48VDC@70W, 110/220 VAC, 2.5mm DC Plug

Additional Applications

For applications requiring multiple enclosure installations we recommend purchasing the TEF14-C5-TE12. This rack mount DC injector can supply power for up to 12 TEF141207-4H0N heated enclosures.

Application Diagram

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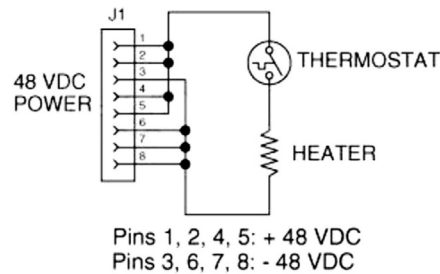
TEF141207-4H0N

Application Note:

The Transtector TEF141207-4H0N sub-zero NEMA enclosure uses a proprietary wiring pin out. The RJ-45 connectors on the TEF141207-4H0N sub-zero NEMA enclosure or the Transtector sub-zero DC power injector, should never be connected to any other manufacturers equipment. Transtector Systems Inc. is not liable for any damage done to incompatible equipment due to misuse of the Transtector sub-zero NEMA equipment

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	10.81 lbs	[4.9 kg]
Enclosure Material	Fiberglass Reinforced Polyester (FRP)	

MOUNTING PLATE DIAGRAM-TEF141207-4H0N

Pins 1, 2, 4, 5: + 48 VDC
Pins 3, 6, 7, 8: - 48 VDC

Environmental Specifications

Temperature Continuous	-50 to 150ºC
NEMA Rating	4
Ingress Protection (IP) Rating	IP66

Compliance Certifications

UL Listed	No

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TEF141207-4H0N

Additional Data

DC Injector Specifications

Enclosure Material	Cast Aluminum Alloy
Weight	.28 lbs (.13 kg)
Dimensions	3.6 x 1.4 x 1.2 in. (91.4 x 35.5 x 30.4 mm)

TEF14-C5-TE2

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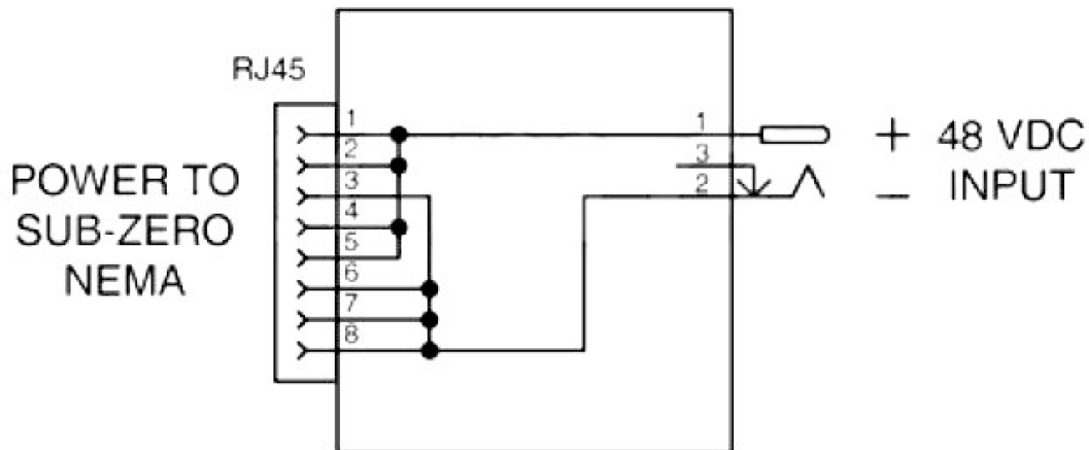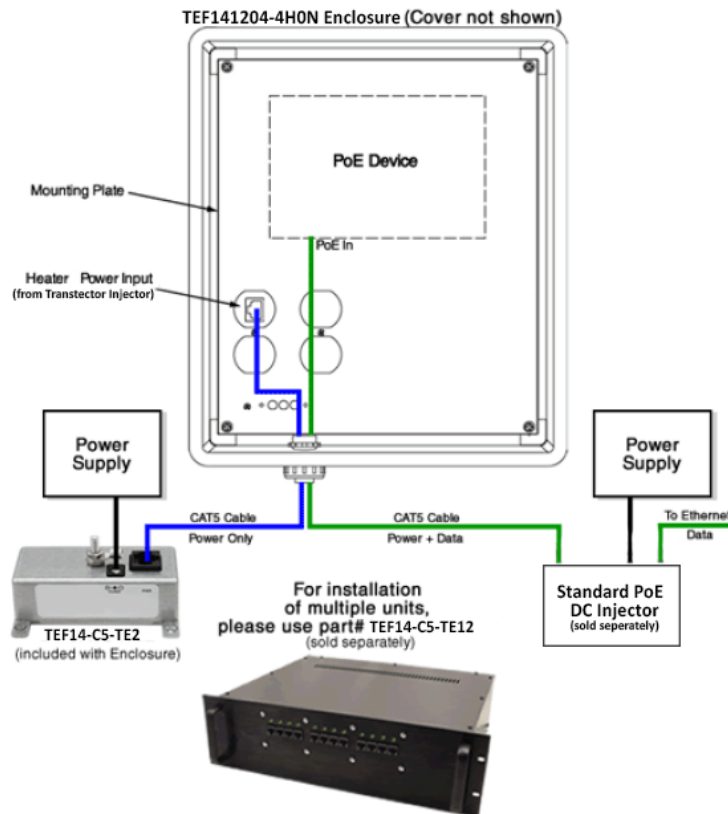
TEF141207-4H0N

Application Diagram

TEF141204-4H0N Enclosure (Cover not shown)

PoE Device

Mounting Plate

PoE In

Heater Power Input
(from Transtector Injector)

Power Supply

Power Supply

CAT5 Cable
Power Only

CAT5 Cable
Power + Data

To Ethernet
Data

TEF14-C5-TE2
(included with Enclosure)

For installation
of multiple units,
please use part# TEF14-C5-TE12
(sold separately)

Standard PoE
DC Injector
(sold seperately)

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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 IP66 NEMA 4 Insulated Enclosure, PoE MNT PLT, Pwr Supply Incl, Thermostat Heat Gray TEF141207-4H0N

URL: https://www.transtector.com/14x12x07-fiberglass-polyester-frp-weatherproof-outdoor-ip66-tef141207-4h0n-p.aspx

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TEF141207-4H0N CAD Drawing

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