

14x12x07 Fiberglass Polyester FRP Weatherproof Outdoor IP24 NEMA 3R
Enclosure, 120 VAC MNT PLT, User Adjustable Thermostat Heat & Fan Gray



TEF141207-1HFA

Features

- Heating and cooling system with user adjustable thermostat
- Molded Fiberglass Reinforced Polyester (FRP) enclosure with integral mounting flange
- Fully gasketed lid with stainless steel quick release latches with padlock hasps
- NEMA Type 3R / IP24 rated
- Features aluminum mounting plate with surge protected duplex 120 VAC outlets

Applications

- Remote wireless LAN WiFi equipment installations
- Indoor and outdoor installations
- Rapid deployment installations
- Corrosive environments & hotspot
- Security and surveillance equipment installations

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 mounting flange allows it to be wall mounted as well as on a flat surface. The raised lid features a stainless steel continuous hinge and stainless steel quick release latches with padlock hasps. Includes fully gasketed raised vented lid with filters & integral mounting flange. The enclosure material is UV stabilized and comes in machine tool gray.

120 VAC Mounting Plate with Lightning Protection

The aluminum mounting plate features standard surge protected duplex 120 VAC outlets and a terminal block for easy hook up to the externally provided line power. In addition, the unit can accept up to two optional bulkhead mount N-type lightning protectors to protect the coaxial cable runs.

To help ensure trouble-free operation of electronic equipment, proper operating temperatures inside an enclosure needs to be maintained. With the built-in heater and cooling system, internal temperatures can be better maintained. This model is ideal in hot and cold environments.

For cooling, the thermostat-controlled 12W high airflow, low noise fan 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. 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 1HFA 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 +32°F to +140°F for both the heating and cooling systems.

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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
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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	15.3 lbs	[6.94 kg]
Enclosure Material and Plating	Fiberglass Reinforced Polyester (FRP)	

Mechanical Specification Notes:

Warning recommended temperature setting for the heater portion of the thermostat should only be between 32° to 50°F.

Recommended temperature setting for the fan portion of the thermostat should only be between 80° to 120°F. Placing the heater setting too high and the fan setting too low can result in a conflict between the two halves wherein the unit might try to continue to heat while simultaneously trying to cool it.

Environmental Specifications

Temperature Continuous	-50 to +150 deg C
NEMA Rating	3R
Ingress Protection (IP) Rating	IP24

Environmental Specification Notes:

Adjustable Thermostat: Heat Open on Rise, Fan close on Rise. Enclosure material is halogen-free, self-extinguishing FRP.

Compliance Certifications

UL Listed	No
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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.

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URL: <https://www.transtector.com/14x12x07-fiberglass-polyester-frp-weatherproof-outdoor-ip24-tef141207-1hfa-p.aspx>

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TEF141207-1HFA CAD Drawing

