

18x16x10 Polycarbonate Weatherproof Outdoor IP24 NEMA 3R Enclosure,  
120 VAC MNT PLT, User Adjustable Thermostat Heat & Fan DKGY



## TEPC181610-1HFA2

### Features

- High-Impact, UV Resistant Polycarbonate (Dark Gray)
- Stainless steel latches with padlock eye
- NEMA Type 3R / IP24 rated
- Fully gasketed vented lid with filters & user installed wall mounting brackets
- Features aluminum mounting plate with surge protected duplex 120 VAC outlets & adjustable thermostat controlled heating & cooling system

### Applications

- Remote Wireless LAN WiFi equipment installations
- Indoor and outdoor installations
- Rapid Deployment Installations
- Corrosive environments & hotspot applications
- 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 High-Impact, UV Resistant Polycarbonate material that provides superior durability to impacts and ease of modification while maintaining minimum weight. It is well suited for high temperature or corrosive environments. The lid includes two vents with installed rain guards and filters. The included wall mount brackets come uninstalled and bagged with their hardware inside of the enclosure. Once the brackets are installed the enclosure can be mounted directly to any flat wall surface provided proper screws are used into secure studs. The brackets, once installed, also allow you to use our TEF-PMT pole mount kits. The lid features a non-metallic hinge system that allows for quick removal & can be reattached just as quickly without the need for any tools. The enclosure comes with a pair of stainless-steel latches with padlock eyes allowing you to secure the enclosure from tampering. The enclosure comes in a Dark Gray (Pantone 422C)

#### Mounting Plate

The aluminum mounting plate included with the TEPC181610-1HFA2 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 needs to be controlled. With the built-in heaters & dual cooling fans, internal temperatures can be better maintained. This model is ideal in hot and/or cold environments.

For Heating the TEPC181610-1HFA2 includes two thermostat-controlled 200W (400W total) heaters. The heaters do not require the use of any of the AC outlets, leaving them all available for your equipment. No extra room for the heaters is required since they are mounted underneath the plate.

For Cooling the TEPC181610-1HFA2 includes two thermostat-controlled 16.4W (32.8W total) fans. The high airflow, low noise fans allow warm air to be actively pushed out the top vent while the second fan on the lower vent actively pulls in outside air into the enclosure. Filters for both ports prevent foreign objects or debris from entering the enclosure. The cooling fans do 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: [18x16x10 Polycarbonate Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120 VAC MNT PLT, User Adjustable Thermostat Heat & Fan DKGY TEPC181610-1HFA2](#)

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The 1HFA2 series features two separate thermostats, allowing the independent control of heating and cooling. The adjustable 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 heaters. When the temperature falls below the temperature set on the heat adjustment dial the circuit closes which turns on the heaters.

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 fans. When the temperature falls below the temperature set on the cooling adjustment dial the circuit opens which turns off the cooling fans.

### < 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	18.9 in	[480.06 mm]
Outer Width	16.8 in	[426.72 mm]
Outer Depth	11.3 in	[287.02 mm]
Inner Height	18.2 in	[462.28 mm]
Inner Width	16.2 in	[411.48 mm]
Inner Depth	9.7 in	[246.38 mm]
Weight	19 lbs	[8.62 kg]
Enclosure Material	Polycarbonate	

## Environmental Specifications

Temperature Rating

-40° to 265° F [-40° to 129° C]

NEMA Rating

3R

Ingress Protection (IP) Rating

IP24

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## TEPC181610-1HFA2

### 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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URL: <https://www.transtector.com/18x16x10-polycarbonate-weatherproof-outdoor-ip24-nema-3r-tepc181610-1hfa2-p.aspx>

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TEPC181610-1HFA2 CAD Drawing

