



an INFINIT® brand

18x16x10 Polycarbonate Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120VAC Mount Plate Solid State Power Saver Controlled Fans Dark Gray



NEMA Enclosures Technical Data Sheet

NBPC181610-10FSX

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 & solid state power saver controlled Dual-Fan Control, each fan set to different temperature settings

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 HGX-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 NBPC181610-10FSX 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.

Cooling

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

The "Power Saver" feature is designed to reduce electrical usage as well as extend the life of the fans which are controlled by our exclusive dual fan solid state controller. The relays provide independent control for each of the fans with two different turn-on temperatures. The relays also feature Zero Cross Detection for EMI reduction.

For Cooling the NBPC181610-10FSX comes with two independently controlled 120 VAC 16.4W (32.8W total) cooling fans installed. The high airflow, low noise fans used allow warm air to be actively pushed out the top vent while the second fan on the lower vent (when it turns on) actively 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 accuracy. The top fan has a turn-on temperature of 90° F (32° C). If the temperature continues to climb to 100° F (38° C), the lower fan turns on. When the temperature drops back to 91° F (33° C), the lower fan turns off. When the temperature drops to 81° F (27° C), the top fan turns off. The dual fan power saver design offers energy efficiency. The cooling fans do not require the use of any of the AC outlets, leaving them all available for your equipment.

The HGX-PMT series of pole mounting kits allow the populated enclosure to be securely mounted to a variety of different size poles.

Compatible versions include HGX-PMT13, HGX-PMT16, HGX-PMT28, HGX-PMT29, HGX-PMT30 & HGX-PMT33

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, 120VAC Mount Plate Solid State Power Saver Controlled Fans Dark Gray NBPC181610-10FSX](#)



an INFINITE® brand

18x16x10 Polycarbonate Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120VAC Mount Plate Solid State Power Saver Controlled Fans Dark Gray



NEMA Enclosures Technical Data Sheet

NBPC181610-10FSX

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	17.8 lbs	[8.07 kg]
Enclosure Material	Polycarbonate	

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
-----------	----

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, 120VAC Mount Plate Solid State Power Saver Controlled Fans Dark Gray NBPC181610-10FSX](https://www.l-com.com/nema-enclosures-18x16x10-polycarb-weatherproof-nema-3r-encl-120vac-mnt-plate-solid-state-pwr-svr-cntrl-fans-drk-gry-p.aspx)

URL: <https://www.l-com.com/nema-enclosures-18x16x10-polycarb-weatherproof-nema-3r-encl-120vac-mnt-plate-solid-state-pwr-svr-cntrl-fans-drk-gry-p.aspx>

