

18"x16"x8" 120 VAC Industrial Enclosure with Mounting Plate, Heater & 85° Turn On Cooling Fans - Model: NB181608-1HF-1

Applications

- Remote Wireless LAN WiFi equipment installations
- Indoor and outdoor installations
- Rapid Deployment installations
- Corrosive environments
- Security and surveillance equipment installations

Features

- Molded fiberglass reinforced polyester (FRP) enclosure with integral mounting flanges
- Fully gasketed lid with stainless steel quick release latches with padlock hasps
- NEMA Type 3R, 3RX / IP24 rated
- Features aluminum mounting plate with surge protected duplex 120 VAC outlets & thermostat controlled heating and cooling system



Description

The NB181608-1HF-1 is a rugged weatherproof enclosure that is ideal for both indoor and outdoor applications. Constructed from molded halogen free self extinguishing fiberglass reinforced polyester (FRP), it is well suited for high temperature or corrosive environments. The integral mounting flange allows it to be wall mounted as well as on a flat surface without the need for extra mounting hardware. The fully gasketed lid features a stainless steel continuous hinge and stainless steel quick release latches with padlock hasps. The light grey color of the NB181608-1HF-1 is cleaner, cooler and aesthetically pleasing. Users can enjoy the physical benefits of better heat reflection and better UV resistance due to the lighter color. The contoured body provides an attractive and contemporary appearance. Due to the large size of this enclosure, it can accommodate dual sets of most access points.

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.

Hot and Cold Environments

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.

The NB181608-1HF-1 model includes two thermostat-controlled 200W (400W total) heaters. Each 200W heater is controlled by its own thermostat. The heaters turns on when the internal temperature drops to 40° F (4° C) ±7° and turns off at 60° F (15° C) ±5°. 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 it is mounted underneath the plate.

For cooling, the two thermostat-controlled 12W (24W total) high airflow, low noise fans used allows air to be pushed or pulled through the enclosure. Filters for both ports are easily removable for cleaning and replacement. The fans turn on when the internal temperature rises to 85° F (29° C) ±5° and turns off at 67° F (19° C) ±10°. Like the heaters, the cooling fans do not require the use of any of the AC outlets, leaving them all available for your equipment.

Optional Pole Mounting Kits

Available on the L-com web site, these optional kits allows the enclosure to be mounted on poles ranging from 1.2 to 11 inches in diameter.

Specifications

Enclosure Material	Halogen free, self-extinguishing fiberglass reinforced polyester (FRP)
Enclosure Color	Light Grey (RAL7035)
Voltage	120 VAC
Fan Power	12 Watt (24 Watts total)
Heater Power	200 Watt (400 Watts total)
Weight	21.8 lbs (9.9 kg)
Mounting Plate Material	.10" (2.5mm) Thick Anodized Aluminum
Mounting Plate Dimensions	16.8 x 14.8 in. (426 x 375 mm)
Outside Dimensions (max)	19.5 x 17.5 x 10 in. (495 x 444 x 254 mm)
Inside Dimensions	17.7 x 15.7 x 8.5 in. (449 x 399 x 216 mm)
Flame Rating	UL 94-5V
RoHS Compliant	Yes
Cable Feed	1/2" Cable Conduit Connector
Ratings	NEMA 3R, 3RX / IP24

Temperature Controller Specifications	
Cooling Fans Turn-on Temperature	+85° F (29° C) ±5°
Cooling Fans Turn-off Temperature	+67° F (19° C) ±10°
Heaters Turn-On Temperature	+40° F (4° C) ±7°
Heaters Turn-Off Temperature	+60° F (15° C) ±5°

