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14"x12"x7" 120 VAC Industrial Enclosure with User Adjustable Cooling Fan & Heater

Model: NB141207-1HFA2

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
- Heating and cooling system with user adjustable thermostat



Description

The NB141207-1HFA2 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 NB141207-1HFA2 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.

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.



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The NB141207-1HFA2 includes a thermostat-controlled 200W heating system. The heater does not require the use of any of the AC outlets, leaving them all available for your equipment. No extra room for the heater is required since it is mounted underneath the plate.

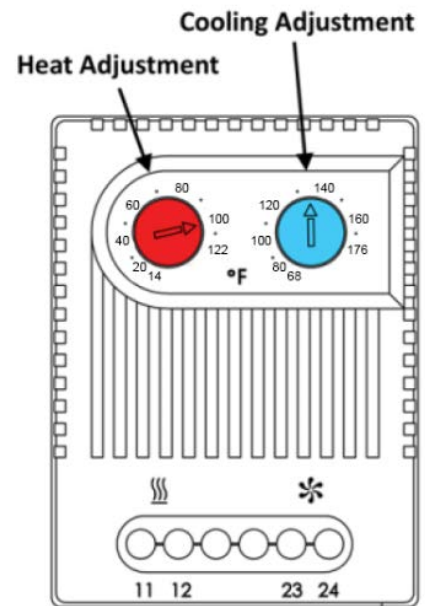
For cooling, the thermostat-controlled 12W high airflow, low noise fan allows air to be pushed or pulled through the enclosure. Filters for both ports are easily removable for cleaning and replacement. Like the heater, the cooling fan does not require the use of any of the AC outlets, leaving them all available for your equipment.

User Adjustable Thermostat

The 1HFA2 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 +14°F to +122°F for the heating and +68°F to +176°F for the 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.



HEATER SETTING RANGE		COOLING FAN SETTING RANGE	
NC – OPEN ON RISE	+14°F TO +122°F	NO – CLOSE ON RISE	+68°F TO +176°F
Switching Difference: 12°F ±7°F tolerance			

<<<<<< Warning >>>>>>

Recommended Temperature Setting for the Heater Portion of the thermostat should only be between 14° to 40°F

Recommended Temperature Setting for the Fan Portion of the thermostat should only be between 80° to 120°F

Setting 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 heat while simultaneously trying to cool it.



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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
Heater Power	200 Watt
Weight	12.5 lbs (5.6 kg)
Mounting Plate Material	.10" (2.5mm) Thick Anodized Aluminum
Mounting Plate Dimensions	12.7 x 10.8 in. (322 x 274 mm)
Outside Dimensions (max)	15.5 x 13.3 x 8.3 in. (393 x 338 x 201 mm)
Inside Dimensions	14.0 x 12.0 x 5.8 in. (356 x 305 x 147 mm)
Flame Rating	UL 94-5V
RoHS Compliant	Yes
Cable Feed	1/2" Cable Conduit Connector
Ratings	NEMA 3R, 3RX / IP24

