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If It's Critical, It's L-com

18x16x08 Fiberglass Polyester FRP Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120 VAC MNT PLT, SS Therm. Power Saver Controlled Fans Gray

NB181608-10FSX

Features

- Molded Fiberglass Reinforced Polyester (FRP) industrial enclosure
- Stainless steel quick release latches with padlock hasps
- NEMA Type 3R / IP24 rated

- Fully gasketed vented lid with filters & integral mounting flange
- 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 molded fiberglass reinforced polyester, it is well suited for high temperature or corrosive environments. The integrated mounting flange allows it to be mounted directly to any flat wall surface provided proper screws are used into secure studs. The enclosure can also be mounted to a wide diameter range of poles with one of our optional pole mounting hardware kits. The lid features a stainless steel continuous hinge and stainless steel quick release latches with padlock hasps. Includes fully gasketed vented lid with filters & integral mounting flange. The enclosure material is UV stabilized and comes in machine tool gray.

Mounting Plate

The modified aluminum mounting plate included with the NB181608-10FSX 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 a cable conduit connector.

Cooling

To help ensure trouble-free operation of electronic equipment, proper operating temperatures inside an enclosure need to be controlled. 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 NB181608-10FSX comes with two independently controlled 120 VAC 16.4W (32.8W total) 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

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Mechanical Specifications

Size

Outer Height	19.5 in	[495.3 mm]
Outer Width	17.5 in	[444.5 mm]
Outer Depth	10 in	[254 mm]
Inner Height	17.7 in	[449.58 mm]
Inner Width	15.7 in	[398.78 mm]
Inner Depth	8.4 in	[213.36 mm]
Weight	19.8 lbs	[8.98 kg]
Enclosure Material	Fiberglass Reinforced Polyester (FRP)	

Environmental Specifications

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

Compliance Certifications

UL Listed	No

18x16x08 Fiberglass Polyester FRP Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120 VAC MNT PLT, SS Therm. Power Saver Controlled Fans Gray from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active
components.

URL: https://www.l-com.com/nema-enclosures-18x16x8-inch-120-vac-weatherproof-enclosure-with-power-saver-solid-state-fan-controller-p.aspx

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NB181608-10FSX CAD Drawing

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MOUNTING HOLES
18.75 [476.3]

316 SS PADLOCKABLE LATCHES
Ø .375 PADLOCK EYE

.625

.578

DETAIL "A"

8X Ø .32 [8.13] MOUNTING HOLES

HIDDEN LINES REPRESENT COMPONENTS ON BACK OF PLATE -DO NOT DRILL-

304 SS PIANO HINGE

18.75 [476.2]
15.7 [399]
17.7 [450]
12.00 [304.8]
10.00 [254]
19.3 [491]

2X SEE DETAIL "A"

1/2" CONDUIT CONNECTOR

GROUND LUG

6.8 [173]
16.7 [425]
14.19 [360.36]
10.52 [267.21]
7.18 [182.37]
2.75 [69.85]
0 [0.00]
1.75 [44.45]
0 [0.00]
4.48 [13.89]
3.49 [88.68]
5.86 [148.87]
8.6 [218.5]
17.3 [440]
1.7 [44]
.9 [23]

REVISION

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A3	ECO-14985	9/29/2025	Admin	MMARTINEZ

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