18x16x10 Polycarbonate Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120 VAC MNT PLT, Mechanical Thermostat 85F Turn on Fan Black

NBBPC181610-10F-1

Features

- High-Impact, UV Resistant Polycarbonate (Black)
- 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 & thermostat controlled 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 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 black.

Mounting Plate

The aluminum mounting plate included with the NBBPC181610-10F-1 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 NBBPC181610-10F-1 model includes two thermostat-controlled 16.4W (32.8W total) fans. 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 actively pulls in outside air into the enclosure. Filters for both ports prevent foreign objects or debris from entering the enclosure. The fans turn on when the internal temperature rises to 85° F (29° C) ±5° and turn off at 67° F (19° C) ±10°. 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

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]

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, Mechanical Thermostat 85F Turn on Fan Black

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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

18x16x10 Polycarbonate Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120 VAC MNT PLT, Mechanical Thermostat 85F Turn on Fan Black 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. 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, Mechanical Thermostat 85F Turn on Fan Black NBBPC181610-10F-1

URL: https://www.l-com.com/18x16x10-polycarbonate-weatherproof-outdoor-ip24-nema-3r-enclosure-120-vac-mnt-plt-mechanical-thermostat-85f-turn-on-fan-black-p.aspx

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L-com CAD Drawing

Revisions

REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	02/10/2020	MMARTINEZ

THIRD-ANGLE PROJECTION

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SIZE A	CAGE CODE 43321	DRAWN BY DZINN	ITEM NO. NBBPC181610-10F-1	REV A

SCALE N/A   SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:
.X = ± .2 [5.08]
.XX = ± .02 [.51]
.XXX = ± .005 [.13]
FRACTIONS ± 1/32
ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:
L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

19.7 [500]
18.74 [476.0]
9.78 [248.4]
2X 316 SS LATCH
Ø3/8" PADLOCK EYE

.55 [13.9]
.30 [7.6]
DETAIL C
4X

9.0 [229]
8.2 [209]
THERMOSTAT
2X FAN
SECTION B-B
7.5 [192]

PLATE
18.91 [480.3]
16.88 [428.6]
16.91 [429.5]
14.88 [377.8]
COMPONENT ON BACKSIDE OF PLATE
DO NOT DRILL
4X Ø .31 [8.0]
LID NOT SHOWN IN THIS VIEW FOR CLARITY

2X 12.00 [304.8] MTG SLOTS
2X 10.00 [254.0] MTG HOLES

FILTER
2X VENT COVER
VIEW D-D

2X 15.3 [389] MTG BRKT
11.96 [303.7]
8.62 [218.9]
4.19 [106.3]
1.44 [36.5]
0

12.48 [317.0]
11.30 [287.0]
10.12 [257.0]
2X 5.74 [145.7]
4.38 [111.1]
3.38 [85.7]
1/2" CONDUIT CONNECTOR
GROUND LUG
0

DETAIL A
2X
Ø .63 [15.9]
.58 [14.7]

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