Ins-40155-US 12V DC PoE+ power supply in cabinet - UL

Paxton

The PoE (Power over Ethernet) supply is designed to draw power from a network cable that is provided with a remote PSE. (Power source equipment)

This unit splits Ethernet data from the DC voltage. The voltage is available at two power connectors as 12V DC and the data is passed unaltered to the Ethernet Out port.

High power mode

The PoE+ power supply can be used in the high power mode (see specification table) if the power source equipment can detect this request for additional power.
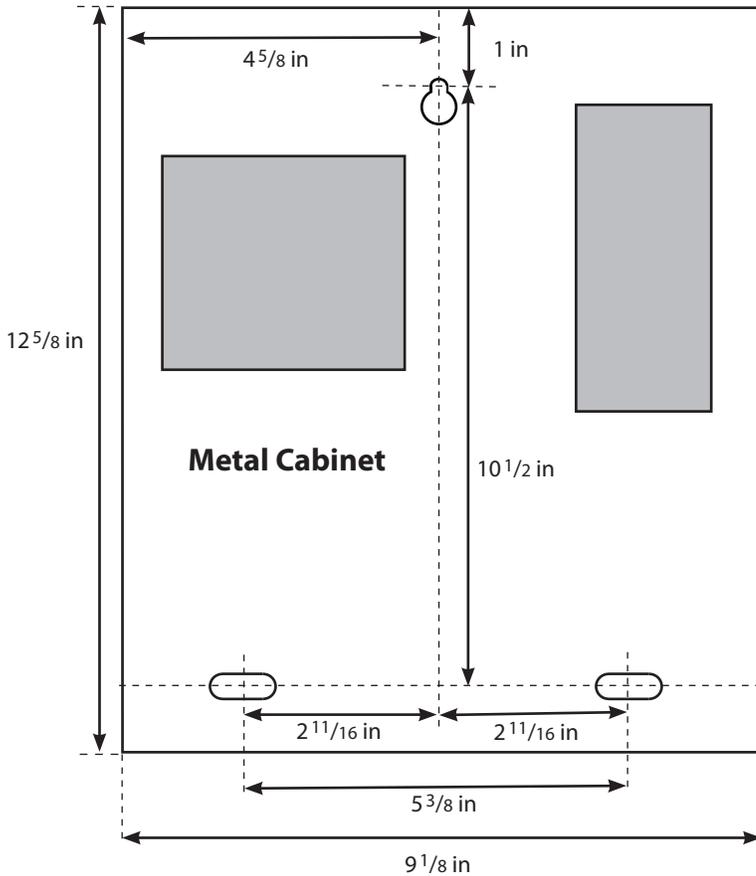
This is achieved by the Paxton supply through a hardware indication (capacitance). It is not able to provide this confirmation through software (DLL classification).

Layout

+12V DC

PoE+ splitter power supply

Tamper switch

Ethernet data

Combined data and power

PSE (Power source equipment)
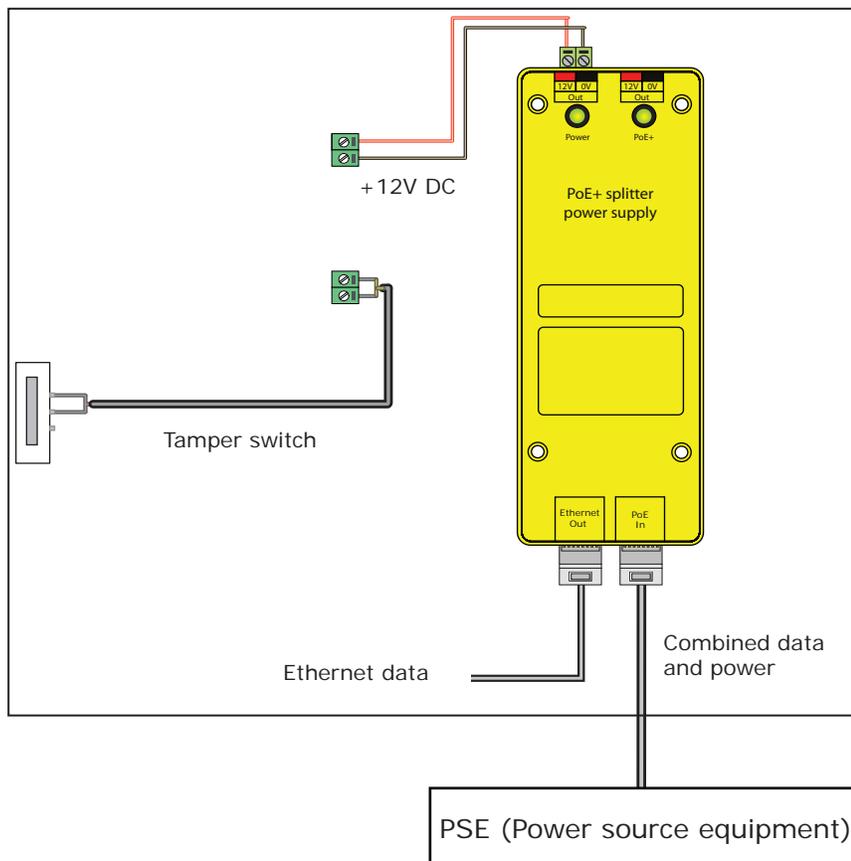
Installation

1. Connect the network cable to PoE In.
2. The Power LED will illuminate if power is available on this data line.
3. The PoE+ LED will illuminate if the high power rating is available.
4. 12V DC power is available at the two output connectors.
5. Network data is available at 'Ethernet Out'

Metal Cabinet

4 5/8 in

1 in

12 5/8 in

10 1/2 in

Metal Cabinet

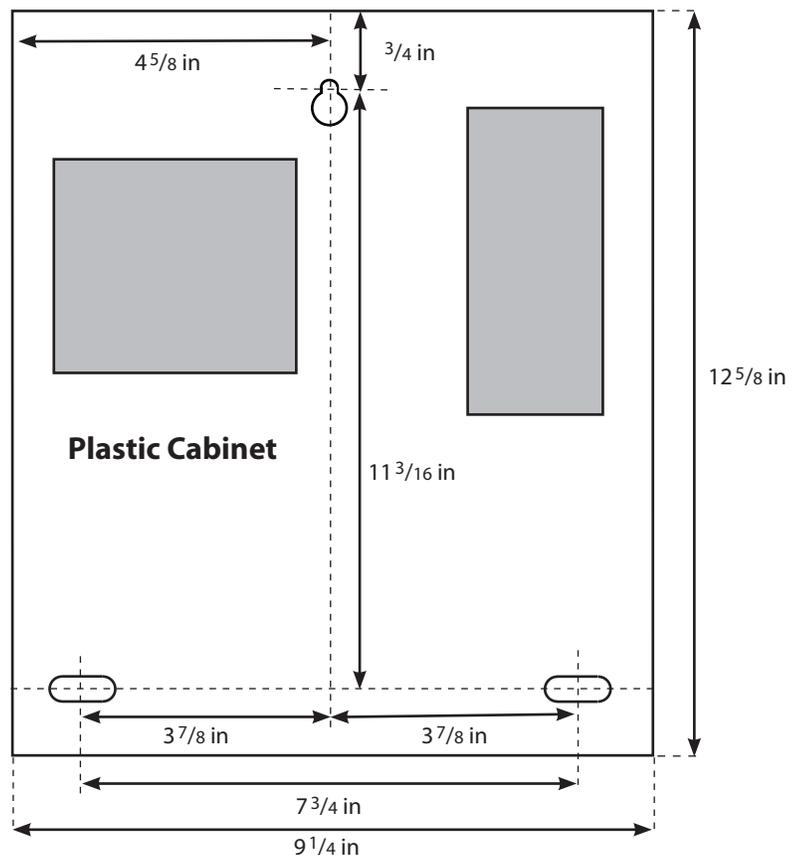2 11/16 in   2 11/16 in

5 3/8 in

9 1/8 in

Mounting

1. Screws and wall plugs are provided in a parts kit. With reference to the diagrams, determine where the top, central mounting hole is required and drill a hole suitable for a No 8 wall plug.

2. Tap in one of the wall plugs.

3. Put in one of the long screws, leaving a suitable gap to the wall surface in order to slot the cabinet over it.

4. Mark the hole positions for the lower 2 screws.

5. Remove the cabinet and drill the additional holes.

6. Tap in the 2 wall plugs and hang the cabinet back onto the top screw.

7. Secure the cabinet with the 2 lower screws.

8. Tighten the top screw.

Maintenance

Following the completed installation of this equipment, no further maintenance or testing is required.

It is advisable to ensure that any third party backup power supplies or recovery procedures are checked regularly to ensure that the operation of the Paxton system is not compromised.

This product is not suitable for retail sale. All warranties are invalid if this product is not installed by a trained technician.

Plastic Cabinet

4 5/8 in

3/4 in

Plastic Cabinet

12 5/8 in

11 3/16 in

3 7/8 in   3 7/8 in

7 3/4 in

9 1/4 in

Status Lights	
Power	This LED is on when the input supply is healthy.
PoE+	This LED is on when the unit is operating in high power mode

Specifications

PSU Electrical	Min	Max	
12V Output voltage		13.35V DC	
Load output current (PoE+ High power)		1.5 A	
Load output power (PoE+ High power)		20.4 W	
Load output current (802.3af - 802.3at type 1)		0.8 A	
Load output power (802.3af - 802.3at type 1)		10.36 W	
Input supply voltage	36V DC	57V DC	
Input supply current		0.83 A	
Environment	Min	Max	
Operating temperatures - all items	0°C (32°F)	+49 °C (120°F)	
Waterproof			No
Dimensions	Width	Height	Depth
Metal Cabinet	9 $^1/_8$ in	12 $^5/_8$ in	3 $^1/_8$ in
Plastic Cabinet	9 $^1/_4$ in	12 $^5/_8$ in	3 $^1/_8$ in

WARNINGS

The following warnings and instructions MUST be adhered to. Read the instructions before installing and powering the equipment. Keep the instructions in a safe place for future reference.

RECEIVING INSPECTION- Remove any traces of packing material from the unit as such debris may create a fire or shock hazard. Unpack the unit with care and inspect for transit damage. If damage is suspected, the unit must not be used or tested, but should be returned to Paxton for investigation and the damage reported to the carrier.

INSTALLATION- Only qualified and trained personnel, familiar with this type of product and who fully understand these instructions should install, connect or test this equipment. There are no user serviceable parts within the PSU unit.

- The equipment is intended for indoor use only in dry locations.

- This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Product compliance and limitations

Wiring methods shall be in accordance with the National Electrical Code (ANSI/NFPA70), local codes, and the authorities having jurisdiction.

For CAN/ULC-S319 installations, terminals, leads and wiring methods must comply with CSA, C22.1, Canadian electrical code, Part 1, safety standards for electrical installations.

The use of any add-on, expansion, memory or other module manufactured or supplied by the manufacturer's representative will invalidate the CAN/ULC-S319 certification.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
 (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.