Install Guide

ACC-POE-90W-E
Outdoor 90W Gigabit PoE++ Injector

DATA + PWR OUT   DATA IN   LINE IN
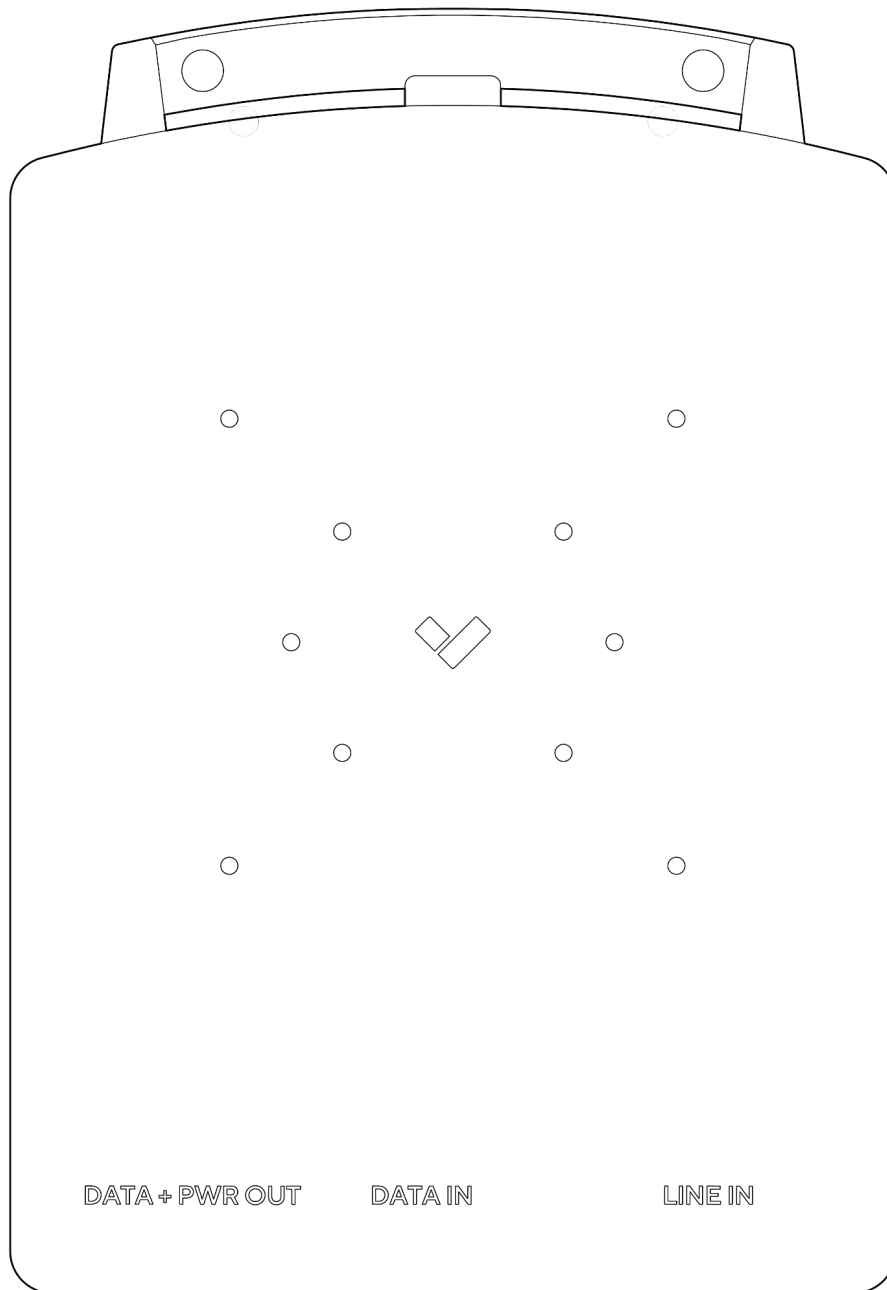
Document
Document Details

V1.1 (20240402)

(V1.0 first published 20240311)

Introduction

What's in the box

Injector
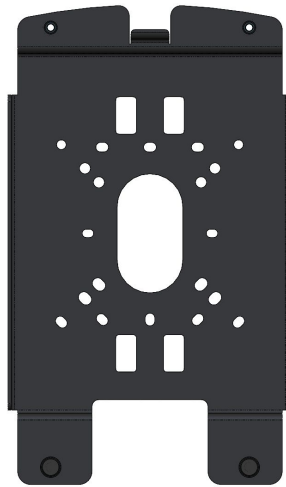
Mount Plate
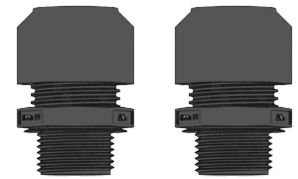
Cable Glands for Ethernet (2 pcs)
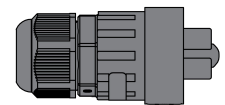
AC Input Connector
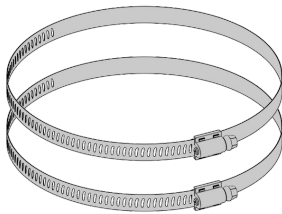
Pole Straps (2 pcs)
For Pole Diameter: 76.2-101.6mm (3-4")
Drive: Phillips Screwdriver
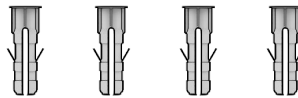
#8 Wall Anchors (4 pcs)
Drill Size: 3/16"
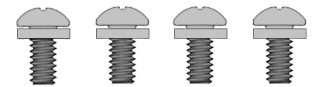
M4x0.7 Machine Screw (4 pcs)
Length: 8mm **Drive:** #2 Phillips

AC Power Cable
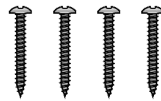
#8 Wall Screws (4 pcs)
Length: 1.5" **Drive:** #2 Phillips
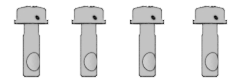
M4x0.7 Machine Screw (4 pcs)
Length: 14mm **Drive:** #2 Phillips

What you'll need

- A compatible Verkada device
- A #2 Phillips screwdriver or
  power drill with a #2 Phillips driver bit
- A 3/16" (4.76mm) drill bit for pilot holes

Overview

Injector Locking Screws

DATA + PWR OUT   DATA IN   LINE IN
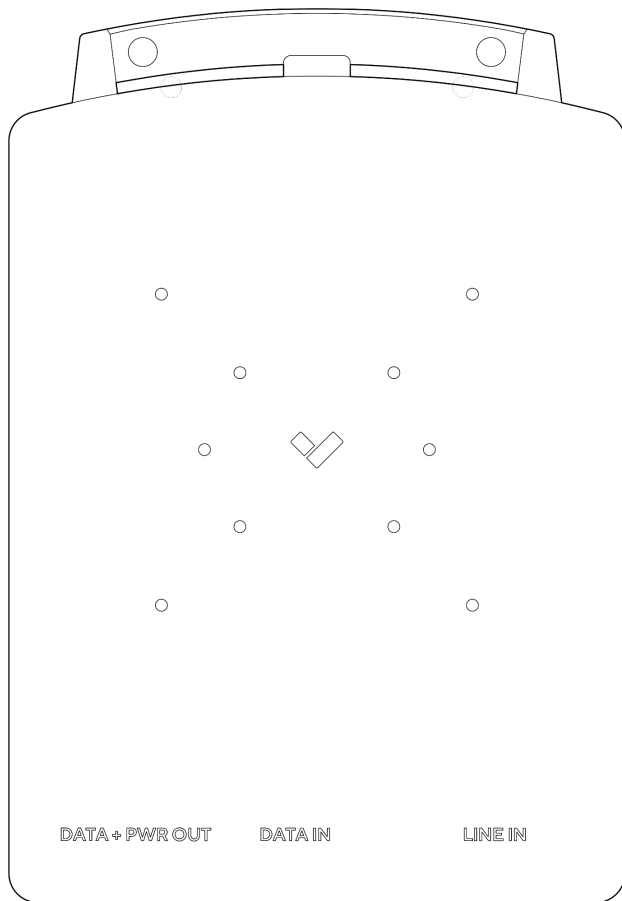
Mount Pattern aligns with the Mount Plate patterns A, C, and E..

Standoffs

Data +
Power Out

Data In

Line In

Weatherized
Vent Cap

Grounding Lug
(Optional)
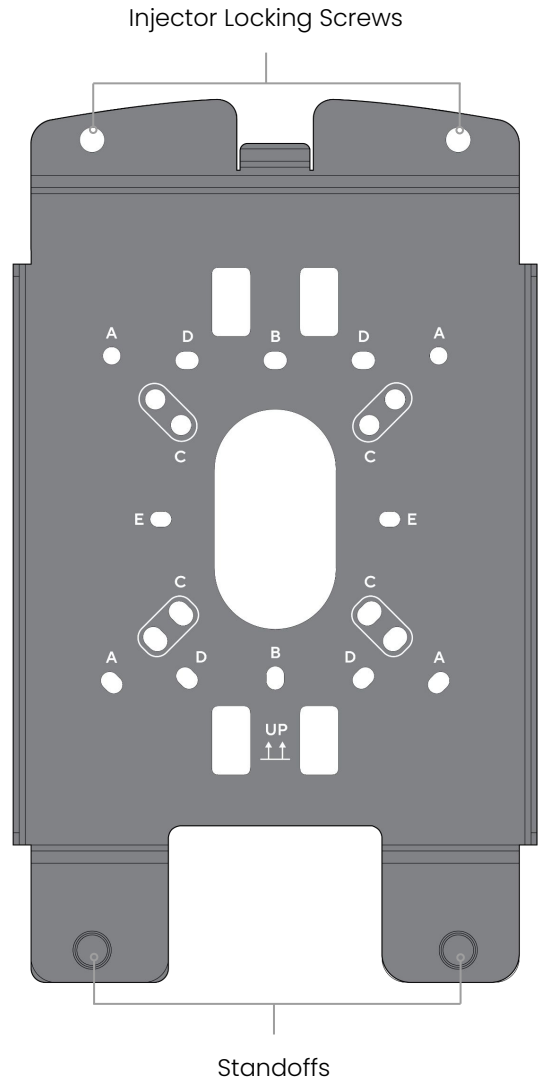
Mount plate details

A Wall/Ceiling/Square Junction Box
(4 inches / 101.6 mm)
B Single Gang Junction Box
C Round Junction Box
(4 inches / 101.6 mm) and (3½ inches / 88.9 mm)
D Double Gang Junction Box
E European Junction Box
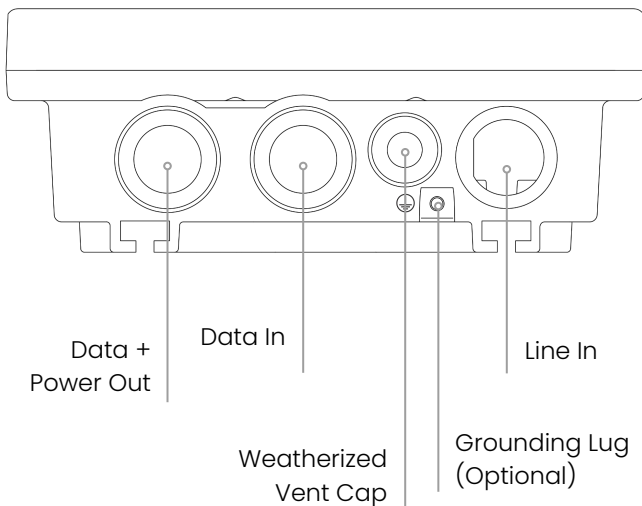
Mounting

Separate the mount plate from the injector by undoing the screws with a #2 Phillips head screwdriver and lifting the injector up.
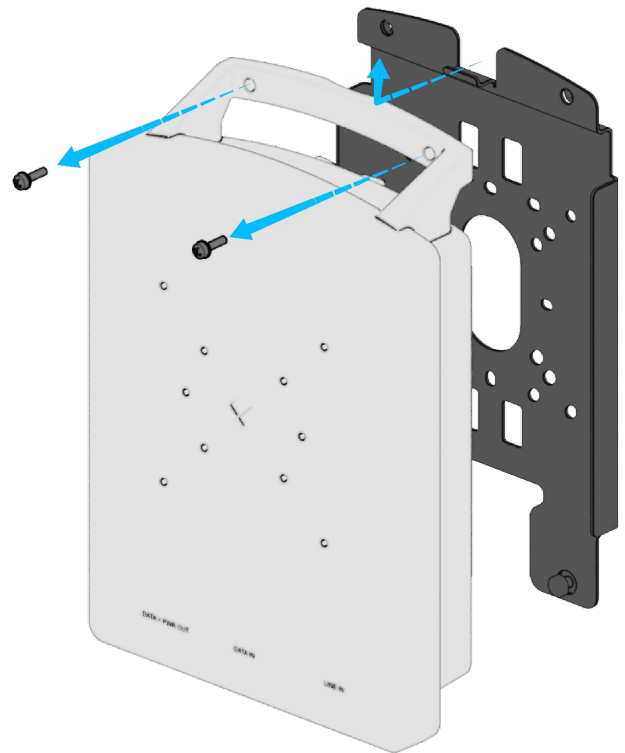
Insert the included pole straps into the dual pole strap openings on the mount plate, at the top and bottom, in opposing directions.
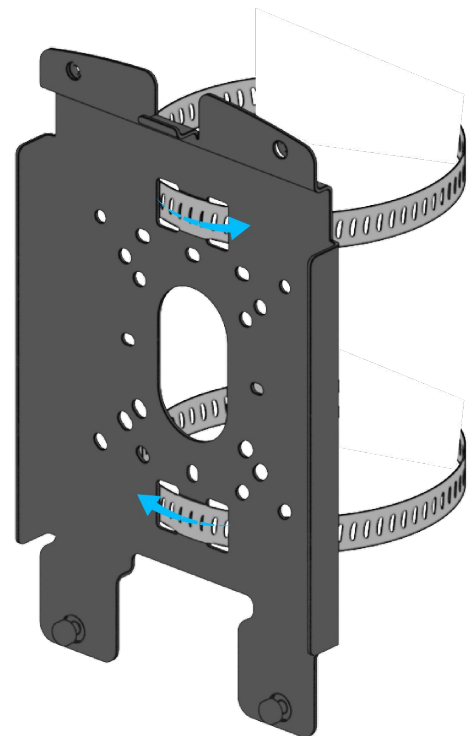
Mounting

Wrap the pole straps around pole, inserting the ends into the tightening mechanisms.
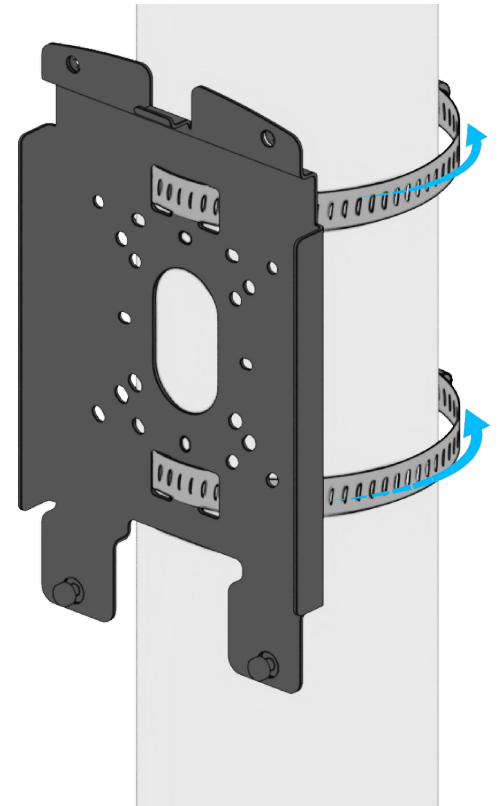
Tighten the pole straps with a #2 Phillips head screwdriver. A power drill is recommended to achieve a tighter grip on the pole.

Flat Surface Mounting

For drywall use the provided wall anchors. For masonry use appropriate anchors. Use the relevant hole pattern on the injector mount plate and the provided fasteners to attach the mount plate to a flat surface.
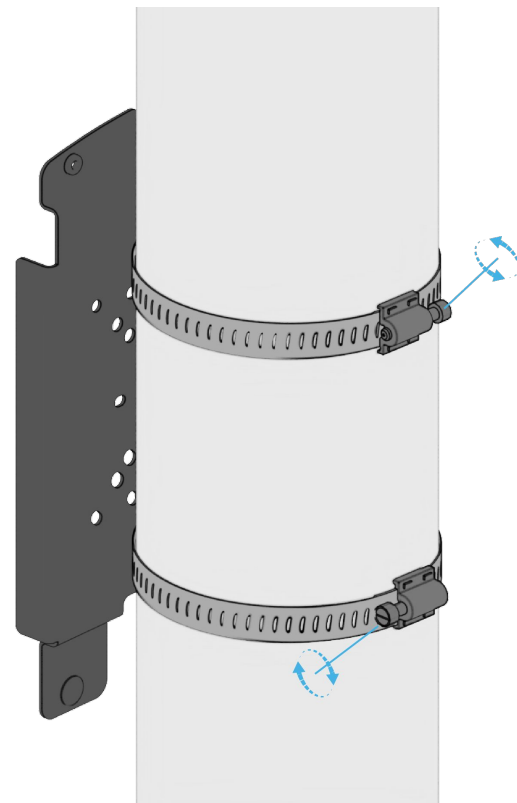
Attaching Injector to Mount Plate

Align the post features at the bottom of the mount plate to the corresponding slots on the injector.

Making sure that the features align, gently slide the device downwards onto the mount plate.

To secure the injector to the mount plate, use the provided 14mm M4 screws and tighten with a #2 Phillips screwdriver.

Installation

Cable Sealing: PoE

Prepare two Ethernet cables, one to provide data into the injector, and one to provide power over Ethernet to your Verkada device. The injector does not need to be provided data if used to power to a Verkada gateway.

RJ45 (Ethernet) Cable   Body   Rubber Seal   Cap

1. Disassemble the cable glands for Ethernet. Ensure that the rubber seal is fully removed from the body.
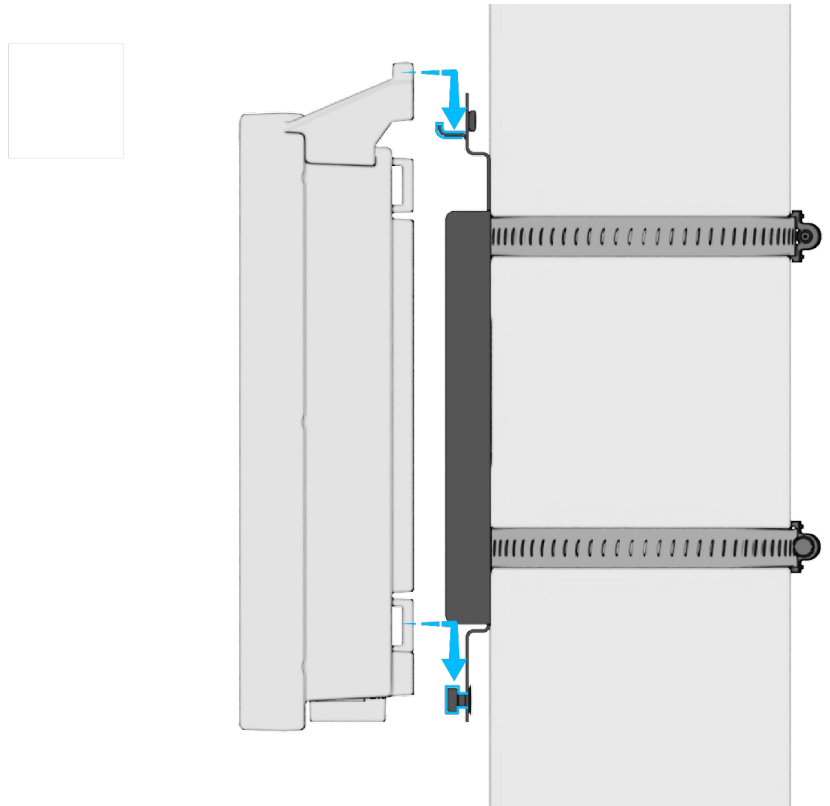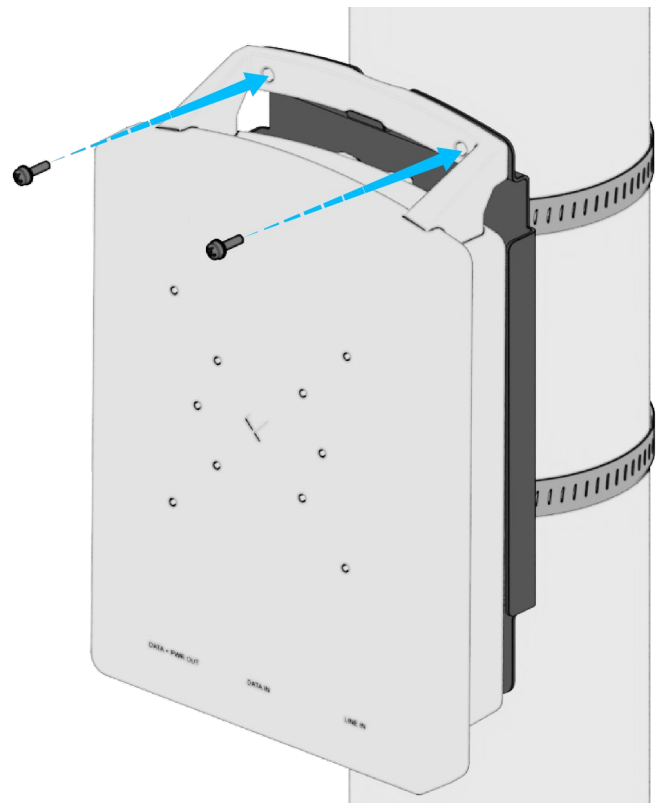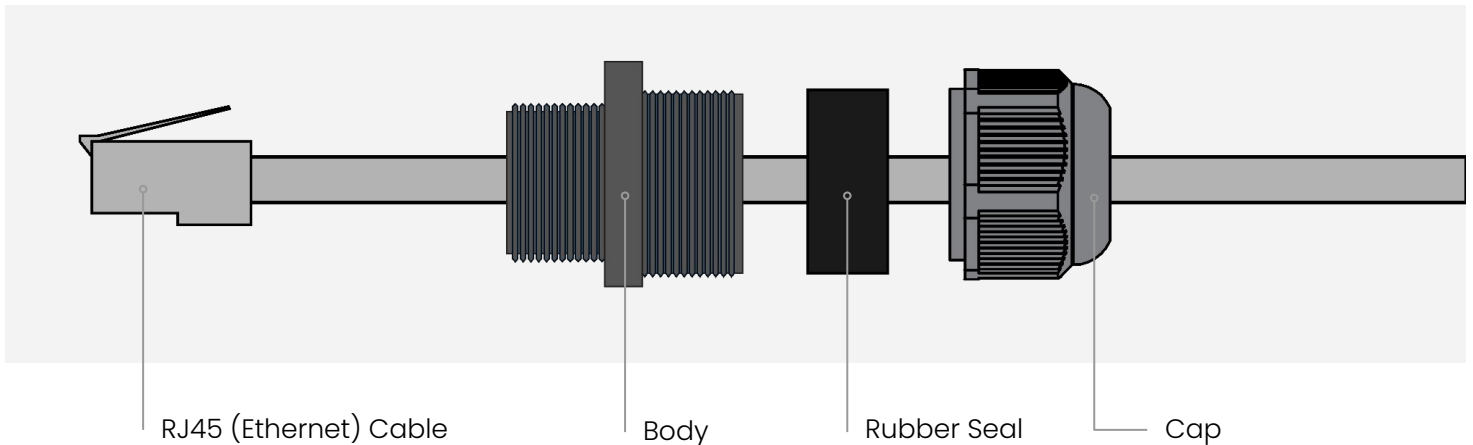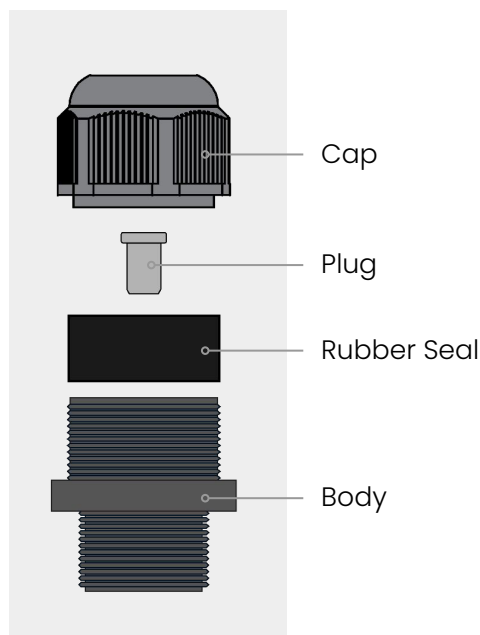2. Thread cable-sealing components onto RJ45 (Ethernet) cable in the order shown above.
3. Connect RJ45 (Ethernet) cable into the appropriate port on the injector.
4. Screw the body onto the threads in the injector.
5. Insert the rubber seal into the body.
6. Screw the sealing cap onto the body.
7. Repeat process for other RJ45 (Ethernet) cables.

Cap

Plug

Rubber Seal

Body

Sealing without Ethernet Cable

If a cable is not needed, use the following steps to plug the cable gland:

1. Disassemble the cable glands for Ethernet. Ensure that the rubber seal is fully removed from the body.
2. Thread cable-sealing components onto RJ45 (Ethernet) cable in the order shown to the left.
3. Screw the body onto the threads in the injector.
4. Insert the rubber seal into the body, and the rubber stopper into the seal.
5. Screw the sealing cap onto the body, tightening it around the rubber components.
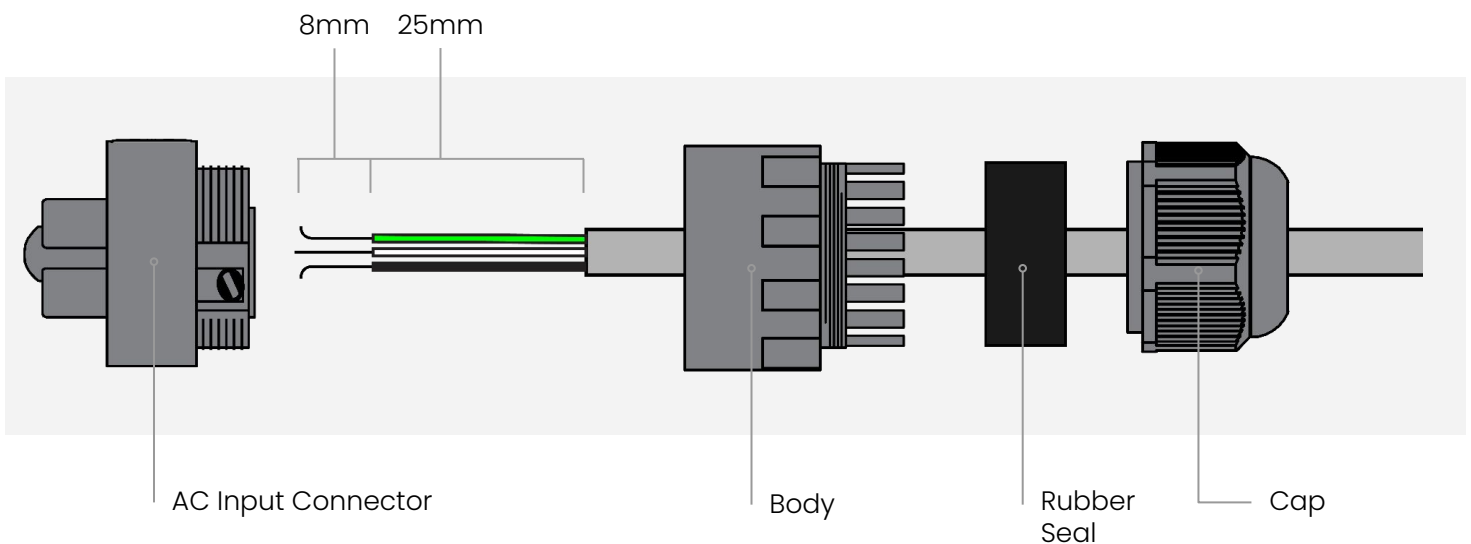
Cable Sealing: AC Power
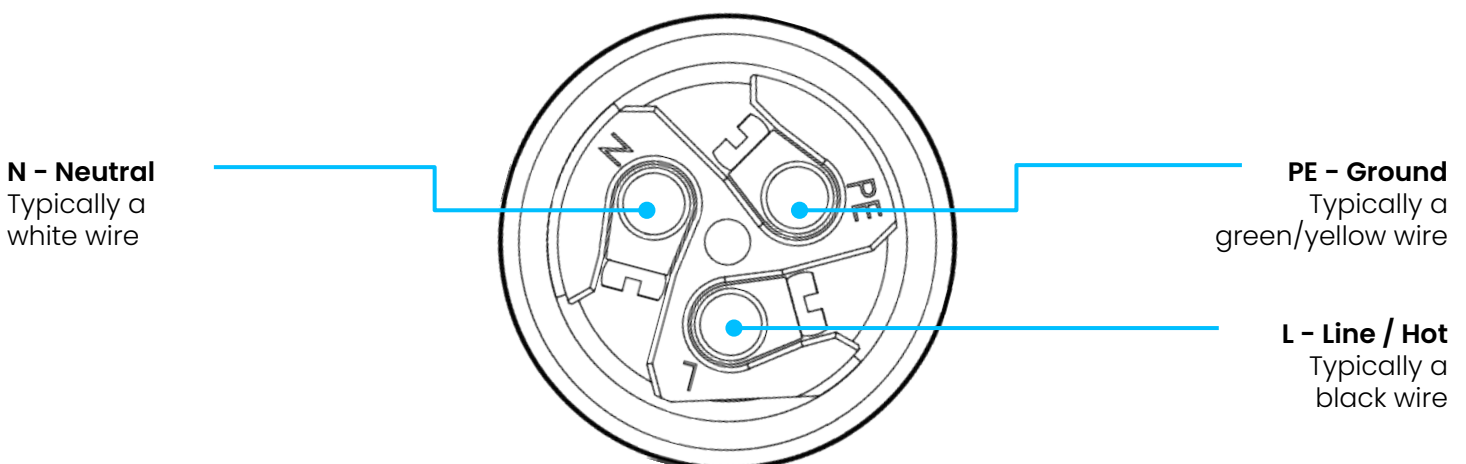
Using the provided AC Power Cable
Connect the the provided AC cable to the injector, and secure it by screwing the cap down.

Using your own AC Power Cable
1. Strip the outer cable shielding to 25mm from cable end.
2. Strip the inner shielding to 8mm from wire end.
3. Disassemble the cable gland. Ensure that the rubber seal is fully removed from the body.
4. Thread cable gland components onto the cable in the order shown below.
5. Refer to the wiring diagram below to connect the wires to the connector terminals.
6. Use a flathead screwdriver to secure the wires.
7. Connect the AC Input Connector to the Injector, and secure it by screwing the cap down.
8. Screw the body onto the threads in the AC Input Connector.
9. Insert the rubber seal into the body.
10. Screw the sealing the cap onto the body.

8mm   25mm

AC Input Connector   Body   Rubber Seal   Cap

AC Input Connector Diagram

N – Neutral
Typically a white wire

PE – Ground
Typically a green/yellow wire

L – Line / Hot
Typically a black wire

Appendix

Support

Thank you for purchasing this Verkada product. If for any reason you're experiencing issues or need assistance, please contact our 24/7 Technical Support Team immediately.

Sincerely,
The Verkada Team
verkada.com/support

Verkada Inc. 405 E 4th Ave, San Mateo, CA 94401
sales@verkada.com