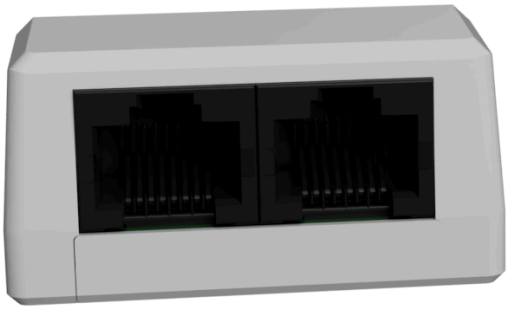
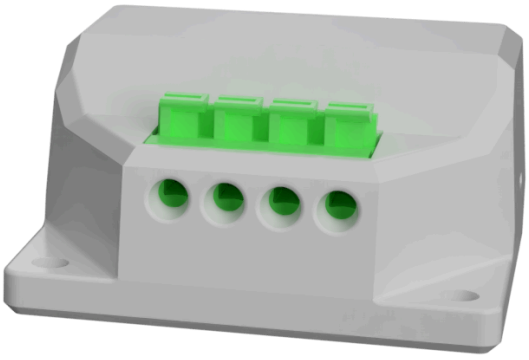
Installation Guide

XPD-P2H

2-channel X-PoE® powered device housing module





INTRODUCTION

About This Guide

This guide provides complete instructions for installing and setting up the XPD-P2H module. It includes details on mounting, wiring, power connection, commissioning, and basic troubleshooting.

Cautions and Warnings

When installing hardware, it is important to follow safety precautions to avoid potential injuries or damage to the equipment. Failure to follow safety guidelines can result in electric shock, fire, or other hazards.

Definitions

> **NOTE**
>
> A note is typically used to provide additional information or clarification that is relevant to the installation process. It may include recommendations, tips, or other useful information that can help ensure a successful installation.

> **CAUTION**
>
> A caution statement indicates a potential hazard that could result in minor or moderate injury, or cause damage to the product if appropriate precautions are not taken. They are used to alert the reader to a potential risk and provide instructions on how to avoid it.

DANGER

A danger statement indicates a potential hazard that could result in serious injury or death if appropriate precautions are not taken. They are used to alert the reader to a potential risk that is critical and requires immediate attention to prevent harm. It may provide instructions on how to avoid the hazard or recommend seeking professional assistance.

Safety Precautions

CAUTION

- Follow all applicable local and national electrical codes and regulations. While a licensed electrician is not required, the installer should be familiar with Class 2 low-voltage wiring practices.
- Do not install or service the device while it is connected to an X-PoE switch.
- Use only with X-PoE switches or ports. The XPD-P2H is not compatible with traditional PoE sources.
- Do not connect external power supplies to output terminals.
- Ensure all wiring is de-energized before connecting or disconnecting any terminals.
- Ensure all wiring connections are secure and properly terminated.
- This equipment is not suitable for use in locations where children are likely to be present.

NOTE

- Do not exceed the rated output power for any channel.
- For indoor use only.

PRODUCT OVERVIEW

The XPD-P2H is a passive, Class 2 X-PoE powered device that converts RJ45 input power to wire terminals for direct DC output. It provides up to 65W per channel at 57VDC total output power for connected loads. The device includes signature resistors that allow the connected X-PoE switch to detect the unit and automatically determine the appropriate power level to supply.

Key features:

- Dual-channel outputs supporting up to 65W per channel at 57VDC
- X-PoE Class 2 input for power delivery and device detection via signature resistors
- Surface-mount installation with integrated mounting holes

ORDERING INFORMATION

XPDs

Part Number	Description
XPD-P2H	Standard XPD-P2H Module

See the XPD Specification Table for full specification and class information.

INSTALLATION

Parts List

Before getting started with the installation process, it's important to make sure all the necessary components are included. Here's what should be found inside the box:

- (1) XPD-P2H Module

> **NOTE**
> Mounting hardware is not included. Use hardware that is appropriate for the surface and material to which the device will be mounted.

Surface-Mount Installation

> **NOTE**
> The hardware and devices shown in these instructions are meant for guidance purposes and may not accurately represent the specific device or environment you're installing into.

Perform the following steps to install the device on a surface:

1. Review all cautions and warnings to ensure safe installation practices are followed.
2. Select a location near the fixture or junction box.

3. Secure the XPD-P2H using the provided mounting holes for surface installation (fig. 1).

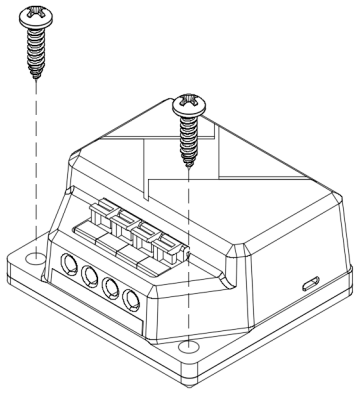


Fig. 1 — Attaching to a Surface

> **NOTE**
> The device does not need to be mounted directly to a surface. It may be placed loosely within an enclosure, such as a junction box, provided it is supported and not left suspended in free air.

Output Wiring

Perform the following steps to wire the output to a light fixture:

1. Review all cautions and warnings to ensure safe wiring practices are followed.
2. Connect low-voltage lighting channels to the CH1 and CH2 terminal blocks.
3. Ensure correct polarity for each output connection (V+ to V+, V– to V–) (fig. 2).

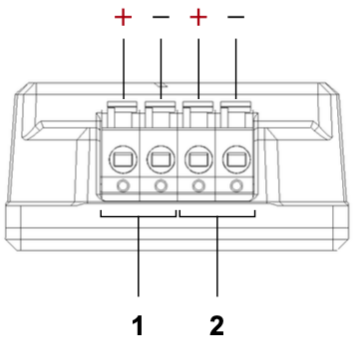


Fig. 2 — Output Wiring Connections

Input Wiring

Perform the following steps to wire the input to the XPD unit:

1. Review all cautions and warnings to ensure safe wiring practices are followed.
2. Connect an Ethernet cable from an X-PoE switch to either of the two RJ45 ports on the unit.
3. If the X-PoE port has not yet been configured, the device will power on at default output levels once connected.
4. Use the second RJ45 port to daisy-chain power to additional XPD units.

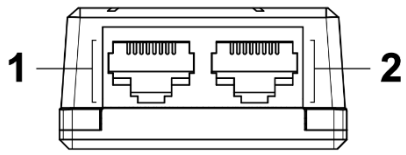


Fig. 3 — Input Wiring Connections

> **CAUTION**
> When connecting to a live X-PoE switch, complete all output wiring before plugging in the input connection.

INITIAL SETUP

The XPD unit itself does not require configuration. Configure the associated X-PoE port using the Channel Configuration and Load Profiling guides.

RELATED INFORMATION

Basic Troubleshooting

Basic troubleshooting can be performed by observing the port status LEDs on the X-PoE switch. Refer to the Port Status LED Table in the X-PoE switch installation guide for detailed diagnostic information.

Technical Support

If you experience any issues during installation or operation of this product, contact our technical-support team via email at support@luum.io. Please provide a detailed description of the issue, including any error messages or other relevant information.

Warranty

All Luum.io lighting products and controls come with a 5-year parts warranty. We warrant that our products will be free from defects in material and workmanship for a 5-year period from the date of purchase. Defective products under warranty will be replaced with an equal or higher-quality product.

If you experience any issues during the warranty period, we will repair or replace the product at no charge. To initiate a warranty claim, contact our customer-service team at support@luum.io. For additional support options, visit luum.io.

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Document Feedback

While we have taken great care to ensure the accuracy and completeness of this document, we welcome your feedback and suggestions. If you notice any errors or omissions, or feel a topic could benefit from further explanation, please email your feedback to support@luum.io.

Revision History

Date	Revision	Notes
11/11/2025	A	Initial XPD-P2H install guide release
6/15/2026	B	Port to PDF

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