XPD Power Device

AGILE-CORE™
Distributed Edge Architecture

PROJECT:	QTY:
TYPE:	CATALOG:

XPD-P2H-G   XPD-T2P-G   XPD-T1P-G

SYSTEM OVERVIEW

The AGILE-CORE™ Distributed Edge Architecture solution is an intelligent power distribution and control system that leverages safe DC power to reduce the total installed and operating cost of a project while providing the best IT and OT networks possible.

OVERVIEW

The powered device serves as an intermediary between the Ethernet port of the LUUM XS DC LIGHTING & POWER CONTROLLER (DCLP) and the connected LED lights or other devices, enabling power transmission and providing support for high power outputs. The XPD-P2H and XPD-T2P takes the RJ45 connection and converts it to two separate channels with a pair of positive (+) and negative (-) conductors while the XPD-T1P converts it to a single channel.

FEATURES:

- Power output of up to 120W
- May be pre-terminated to a luminaire or installed in the field
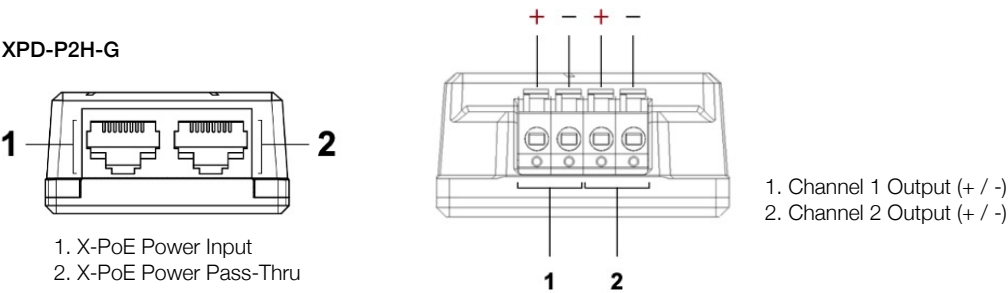- RJ45 input

SPECIFICATIONS:

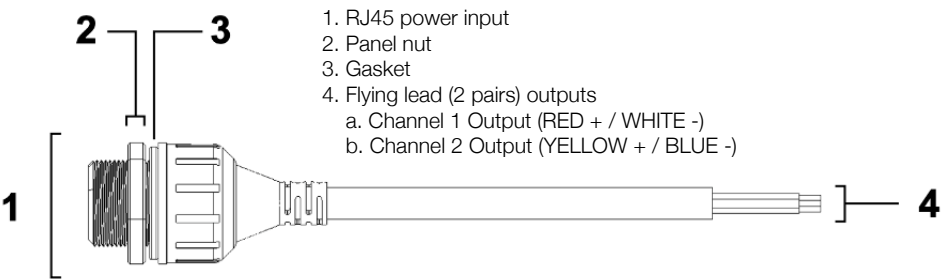|	
Electrical	• Power Input: 48VDC to 57VDC from the LUUM XS DC LIGHTING & POWER CONTROLLER • Max Power: 120W (at 57VDC) fully loaded at 100%
Mechanical	• Dimensions: - XPD-P2H-G: 45.5 mm x 22.3 mm x 40.7 mm (1.8 in x 0.9 in x 1.6 in) - XPD-T2P-G: 56.3 mm x 28 mm x 28 mm (2.2 in x 1.1 in x 1.1 in) *Not including wires - XPD-T1P-G: 56.3 mm x 28 mm x 28 mm (2.2 in x 1.1 in x 1.1 in) *Not including wires • Interfaces: XPD-P2H-G: - (1) RJ45 X-PoE Input Port, (1) RJ45 X-PoE Pass-Thru Port & (2) Individually Controlled LED +/- Terminal Pairs. - Output connectors: 14 - 26 AWG XPD-T2P-G: - (1) RJ45 X-PoE Input Port & (2) Individually Controlled LED +/- Outputs - Channel 1 Output (RED + / WHITE -); Channel 2 Output (YELLOW + / BLUE -) XPD-T2P-G: - (1) RJ45 X-PoE Input Port & (1) LED +/-; Output (RED + / WHITE -)
Environmental	• Operating Temp: 0°C to +40°C (32 to 104°F) • Storage Temp: -20 to +40°C (-4 to +158°F) • Humidity: 10% to 90% (non-condensing) • XPD-T2P-G and XPD-T1P-G have an IP 68 Waterproof Rating
Listings	• XPD-P2H-G: ETL • XPD-T2P-G / XPD-T1P-G: UL 1863, CSA-C22.2 No. 182.4-M90, IP67 (when used with cap)
Warranty	5-year limited warranty

SINCLAIR
D I G I T A L

ORDERING GUIDE:

Catalog Number	Description
XPD-P2H-G	AGILE-CORE™ PD w/ (2) RJ45 & (1) 2 CH terminal block
XPD-T2P-G	AGILE-CORE™ PD w/ (1) RJ45 & 2 CH flying leads
XPD-T1P-G	AGILE-CORE™ PD w/ (1) RJ45 & 1 CH flying leads

DIAGRAMS

XPD-P2H-G

1. X-PoE Power Input
2. X-PoE Power Pass-Thru

1. Channel 1 Output (+ / -)
2. Channel 2 Output (+ / -)

XPD-T2P-G

1. RJ45 power input
2. Panel nut
3. Gasket
4. Flying lead (2 pairs) outputs
   a. Channel 1 Output (RED + / WHITE -)
   b. Channel 2 Output (YELLOW + / BLUE -)

XPD-T1P-G

1. RJ45 power input
2. Panel nut
3. Gasket
4. Flying lead (1 pair) output (RED+ / WHITE -)