LPH3100A

INDUSTRIAL POE SWITCH

24/7 TECHNICAL SUPPORT AT 877.877.2269 OR VISIT BLACKBOX.COM
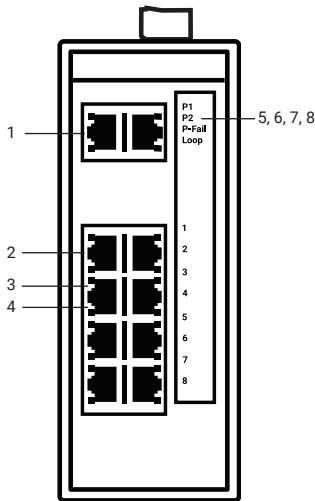
STEP 1 - Package Includes

- **(1) LPH3100A INDUSTRIAL POE SWITCH**
- **(2) WALLMOUNTING PLATES WITH SCREWS**
- **(1) DIN RAIL MOUNTING BRACKET WITH SCREWS**
- **THIS QUICK START GUIDE**

TABLE 1. LPH3100A COMPONENTS

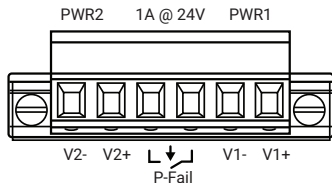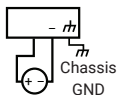| NUMBER	DESCRIPTION
1	(2) RJ-45 Ethernet ports
2	(8) RJ-45 Ethernet PoE ports
3	Link/Activity LED
4	Speed LED
5	Power 1 LED
6	Power 2 LED
7	Power Fail LED
8	Loop LED

STEP 2 - Connect the Power

POWER CONNECTION STEPS

The LPH3100A switch supports dual +12 to 24 VDC power inputs and changes relay status when the power fails.

1. Insert the positive and negative wires into the V+ and V- contacts on the terminal block connector.

2. Tighten the wire clamp screws to prevent the DC wires from loosening.

3. Link a closed-loop device (such as an alarm system) to P-Fail for transmit signals only,
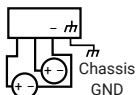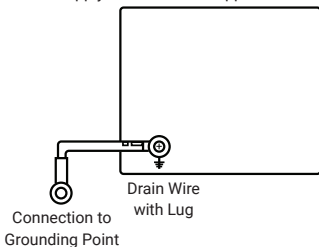
PWR2   1A @ 24V   PWR1

V2- V2+   P-Fail   V1- V1+

Single DC Power

Redundant DC Power

Chassis GND

Chassis GND

One DC Supply

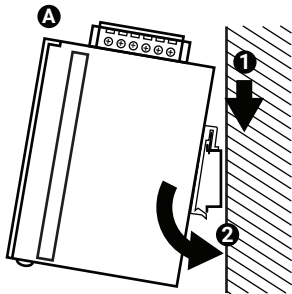Dual DC Supplies

Drain Wire with Lug

Connection to Grounding Point
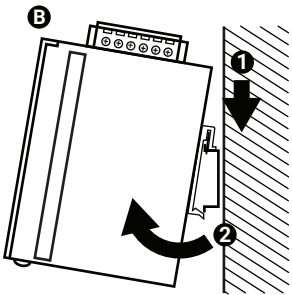
STEP 3A - DIN Rail Mounting

INSTALLING THE DIN RAIL KIT

Attach the DIN rail bracket to the DIN rail using the included screws. See Figure A.

REMOVING THE DIN RAIL KIT

1. Remove the screws from the DIN rail.
2. Lift the switch up and off from the DIN rail.
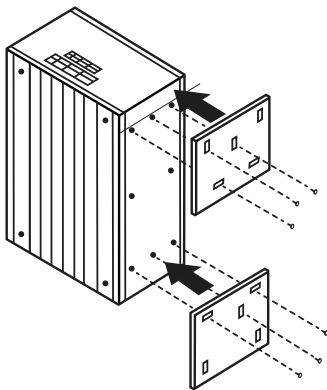See Figure B.

STEP 3B - Wallmounting

1. Using the included screws, attach the wallmounting plates to the wall.
2. Slide the switch onto the mounting plates.

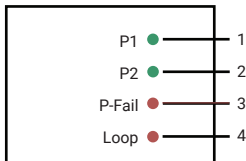**CAUTION: Do not block air ventilation holes!**

STEP 4 - System LED Indicators

TABLE 2. SYSTEM LED INDICATORS ON THE LPH3100A

NUMBER	LED NAME	LED COLOR	DESCRIPTION
1	PWR1 LED	Solid green	Powered ON
		OFF	Powered OFF or not installed
2	PWR 2 LED	Solid green	Powered ON
		OFF	Powered OFF or not installed
3	P-Fail	Solid red	Lights when PWR1 or PWR2 is disconnected
		OFF	OFF when PWR1 or PWR2 is connected
4	Loop	Solid red	Lights when a loop is detected
		OFF	No loop detected

LIVE 24/7 TECHNICAL SUPPORT

1.877.877.2269