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1. Features

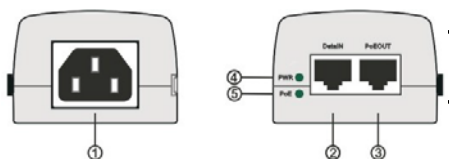
Features of 30W Injector:

- Power over Ethernet Injector for 10/100/1000BaseT
- Full IEEE802.3af compliant
- Automatically detects and protects PoE equipment from being damaged by incorrect installation
- Internal AC/DC converter
- Overload and short circuit protection
- Mixes Ethernet and power into RJ-45 port
- Remote power feeding
- Delivers power up to 100 meters
- Light weight and compact size
- Wall-Mountable design
- Easy Plug-and-Play installation
- Power over Ethernet output power of 52V@0.6A

Features of 60W injector:

- Power over Ethernet Injector for 10/100/1000BaseT
- Full IEEE802.3bt compliant
- Automatically detects and protects PoE equipment from being damaged by incorrect installation
- Internal AC/DC converter
- Overload and short circuit protection
- Mixes Ethernet and power into RJ-45 port
- Remote power feeding
- Delivers power up to 100 meters
- Light weight and compact size
- Wall-Mountable design
- Easy Plug-and-Play installation
- Power over Ethernet output power of [52V@1.15A](#)

2. Hardware Description



- AC Power Input Connector: This connector, shown in ①, connects the AC power source to the PoE Injector.
- Data IN: This port, shown in ②, is an RJ-45 Ethernet connector where data is received and transmitted through the PoE Injector.
- PoE OUT: This port, shown in ③, is an RJ-45 Ethernet connector where data is received and transmitted through the PoE Injector and provides PoE power along with the Ethernet data to a PoE device.

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- PWR LED: This LED, shown in ④, indicate the AC power is being provided to the unit.
- PoE LED: This LED, shown in ⑤, indicate the unit is providing power to the PoE OUT port.

3. Installation

Before placing the Unit:

- Do not to cover PoE Injector or block the airflow to the PoE with any foreign objects. Keep the PoE Injector away from excessive heat and humidity and free from vibration and dust.
- Ensure that the cable length from Ethernet network source to the terminal does not exceed 100 meters (330 feet). The PoE is not a repeater and does not amplify the Ethernet data signal.
- Use a splitter if desired; ensure that the splitter is connected close to the terminal and not on the PoE Injector.
- No “on-off” switch exists. Simply plug the PoE Injector into an AC power source. Installing the Unit:
- Connect the PoE Injector to an AC outlet (100-240VAC), using a standard power cord.
- Connect the Data IN jack (input) to the remote Ethernet network switch’s Patch panel and the PoE OUT jack (output) to the terminal.

4 Troubleshooting

PoE Injector does not power up:

- Verify that a reliable power cord is used.
- Verify that the voltage at the power inlet is between 100 and 240 VAC.
- Remove and re-apply power to the device and check the indicators during power up sequence.

The PD does not operate:

- Verify that the PoE Injector detects a PD.
- Verify that the PD is designed for PoE operation.
- Verify that you are using a standard Category 5/5e/6, straight-wired cable, with four pairs.
- If an external power splitter is in use, replace it with a known-good splitter.
- Ensure input Ethernet cable is connected to the DATA IN port.
- Verify that the PD is connected to the Data & Power port.
- Try to reconnect the same PD into a different PoE Injector. If it works, there is probably a faulty port or RJ45 connection.
- Verify that there is no short in any of the twisted pair cables or in the RJ45 connectors.

The end device operates, but there is no data link:

- Verify that the port indicator on the front panel is continuously lit.
- If an external power splitter is in use, replace it with a known-good splitter.
- Verify that for this link, you are using standard UTP/FTP Category 5 straight (Non-crossover) cabling, with all four pairs.
- Verify that the Ethernet cable length is less than 100 meters from the Ethernet source to the load/remote terminal.
- Try to reconnect the same PD into a different PoE Injector If it works, there is probably a faulty port or RJ45 connection.