CE-PS195 Install Guide

⚠ CAUTION ⚠

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT DISASSEMBLE. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICE TO QUALIFIED PERSONNEL.

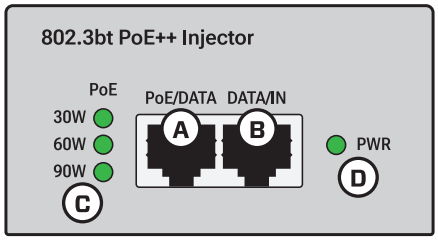
WARNING:

- To reduce the risk of fire or electric shock, do not expose the unit to rain or moisture. Do not install power supplies in places with high moisture or near water.
- This installation should be made by qualified service personnel and should conform to all local codes and in accordance with the National Electrical Code.
- For Indoor Use Only!
- Risk of electrical shock and/or equipment damage. Disconnect power before servicing this appliance.
- Do NOT use a cross-over cable between the PoE++/DATA port and the connected device! Use only matching type Straight Through cabling.

The CE-PS195 is a IEEE 802.3 bt PoE++ Injector that is capable of powering a single network device, delivering up to 95W @ 54VDC power to connected device. This is an ACTIVE PoE Injector, meaning it negotiates the IEEE 802.3af/at/bt standard before delivering power.

HARDWARE DESCRIPTION

Front



A. **PoE++/DATA:** PoE power and Data Output (Connection to Powered Device). Max 95W @ 54VDC Output.

B. **DATA:** Data Input (Connection from Switch).

C. **Status LEDs:** Illuminate Green when a Powered Device is connected.

D. **Power Status LED:** Illuminate Green when AC Power is applied.

PoE LED Status:

PoE	
30W	Illuminated when power output is up to 30W
60W	Illuminated when power output is 31W ~ 60W
90W	Illuminated when power output is 61W ~ 90W

NOTE: The LED may fluctuate between two statuses if the device is requesting power close to the range. Ex: A device with max power consumption may require 65W max, but when not under load it only requires 59W— therefore the LED will change from 90W to 60W depending on power draw.

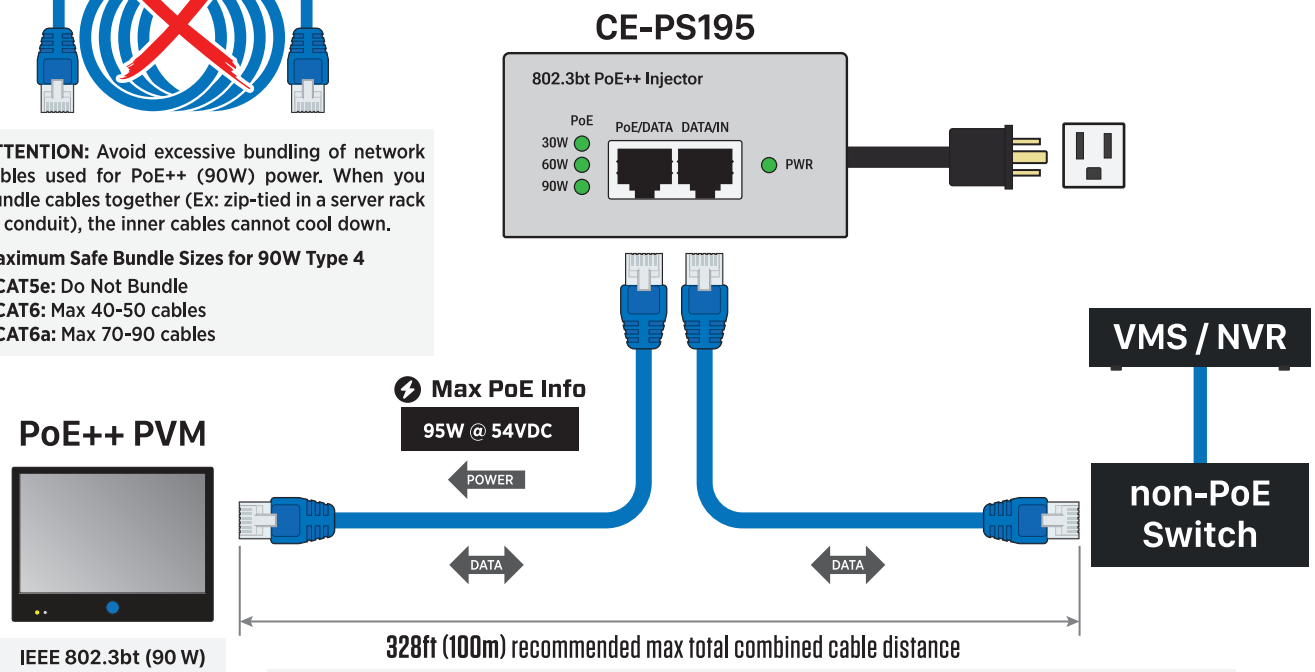
INSTALLATION:

1. Connect CAT6/CAT6A cable from switch/hub to connector on CE-PS195 marked **Data IN**.
2. Connect CAT6/CAT6A cable from IP camera or other network device to connector on CE-PS195 marked **PoE OUT**.
3. Connect AC power cord from PoE Injector to main power source.
   - During boot-up the LEDs should illuminate GREEN if proper power and PoE connections have been made. If LED indicators are not illuminated check that cables are connected and properly terminated.

ATTENTION: Avoid excessive bundling of network cables used for PoE++ (90W) power. When you bundle cables together (Ex: zip-tied in a server rack or conduit), the inner cables cannot cool down.

Maximum Safe Bundle Sizes for 90W Type 4

CAT5e: Do Not Bundle
CAT6: Max 40-50 cables
CAT6a: Max 70-90 cables



IEEE 802.3bt (90 W)
PoE++ PVM

Use quality CAT6 or CAT6A cable. Cable splices, couplers and severe kinks will reduce the overall possible distance.