



## D1800-P34 Single Port (up to 35 watts) PoE Injector Installation Manual

This guide provides information and procedures for the product installation and operation of the Single Port Power over Ethernet Injector D1800-P34. This document is intended for technical personnel responsible for installing and operating Power over Ethernet products in a Local Area Network (LAN) environment. To use this document effectively, you should have a working knowledge of Local Area Networking (LAN) concepts and hardware installation. In addition, you should be familiar with the following: connection of patch cables with RJ45 connectors and the LAN addressing map for your particular network, mounting of network hardware in a 19" equipment rack and local practices for power cord connections.

### Important safety instructions

Read and keep these instructions. Follow all instructions and heed all warnings. Do not use this equipment near water and clean only with a dry cloth. Do not block any equipment ventilation openings. Install in accordance with manufacturer's instructions. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Unplug this equipment during lightning storms or when unused for long periods of time. Refer all servicing to qualified service personnel. Servicing is required when the equipment has been damaged in any way, such as power cord or plug damaged, liquid has been spilled, or object has fallen into the equipment, the equipment has been exposed to rain or moisture, does not operate normally, or has been dropped.

The AC mains outlet, or appliance coupler shall be readily available to the operator as a means of power disconnection.

The means of connection to the mains power supply is the detachable power cord of the equipment. The equipment disconnect device is the appliance inlet. The AC socket outlet shall be installed near the equipment and shall be easily accessible.

**WARNING** - Only connect equipment to mains power outlet having protective earthing or grounding connection. To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture.

**CAUTION** - These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are-qualified to do so.

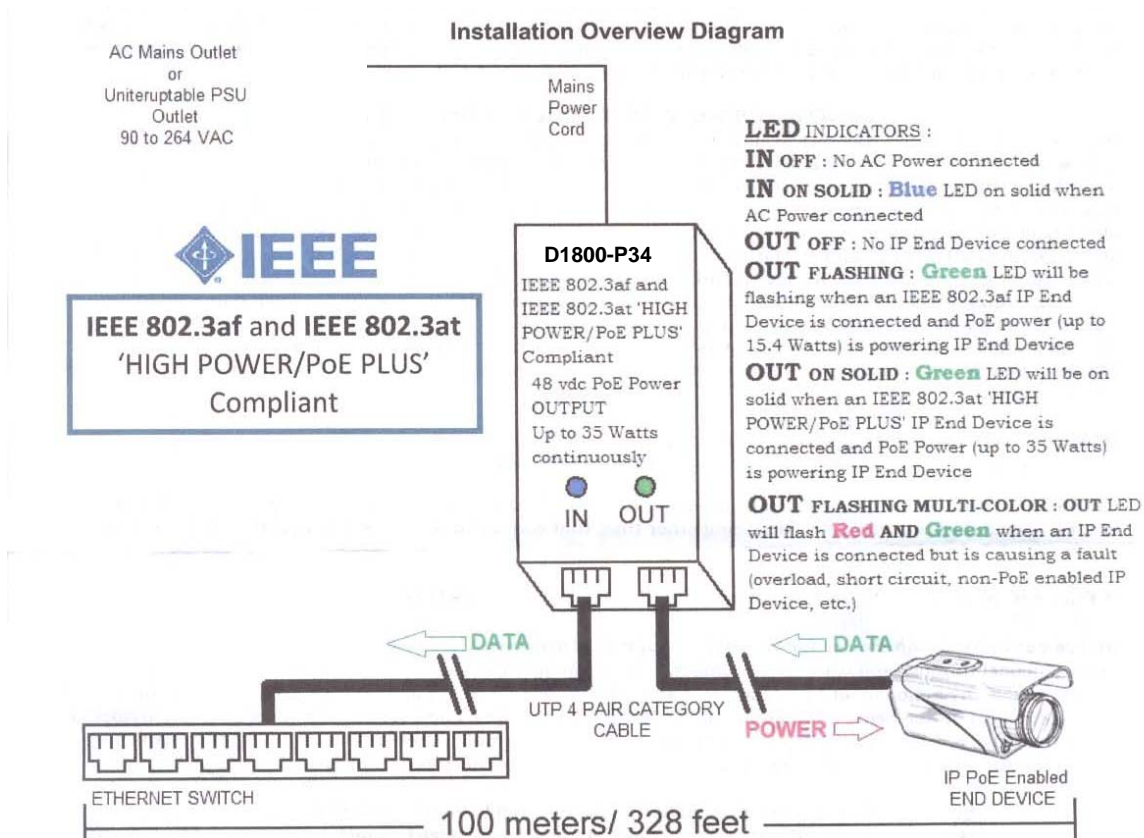
**Verifying Contents of Package** - Unpack the PoE injector and verify that you have all of the following items: single port Power over Ethernet injector, IEC320 inlet 2Pin-C8 mains power cord and mounting bracket with screws.

**Technical Considerations** - Before you mount the PoE injector to a fixed location, consider all of the following: determine optimal placement; check patch cord routing and AC outlet location; collect and document network information as required; ensure the cable length from the Ethernet network switch to the powered end device does not exceed 328 feet/100m total length.

**Note:** The PoE injector is not a repeater and does not amplify the Ethernet data signal. The injector must be used in conjunction with an Ethernet switch.

### Powering Up and Installing the Injector

Plug the mains power cord supplied with the single port unit into a mains AC power source. Units are typically connected to a power strip or other power outlet that may be cycled on and off. An uninterruptible power supply (UPS) may be used. This assures uninterrupted power to the end device should there be a loss of building power. Next, attach a LAN data cable (such as a patch cord) of minimum Cat5 cable grade from the Ethernet switch port to the RJ45 connector on PoE injector marked "IN" (bottom left RJ45 port of unit). Then attach a second LAN data cable from the "OUT" (bottom right RJ45 port of unit) on the PoE injector to the structured wiring connection leading to the device to be powered. Turn power source on. See below diagram for STATUS LED indicators



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In case of problems, telephone Dycon Technical Support on +44 (0)1443 471 900 or email [technical@dyconpower.com](mailto:technical@dyconpower.com).

**Before contacting Dycon for technical support,** please have the following information ready: your product model number and unit serial number; a description of the failure or symptoms of problem; a description of any action(s) already taken to resolve the problem (e.g ., changing ports, rebooting the unit...); the type of end device being powered including manufacturer name and part number; powering requirements of the end device; a description of your network environment (layout, Ethernet switch description, cable type, etc...).

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