

iluminar

IL-PoE35 Series

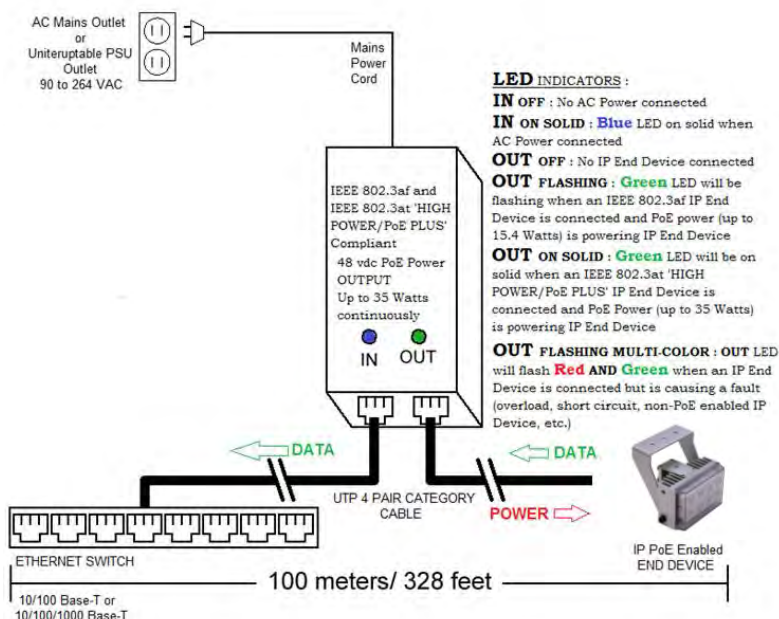
Product Features

- High Power/PoE PlusMidspan Injector
- Power over Ethernet (PoE)
- Single Port
- Compatible with iluminar PoE illuminators
- Output up to 35 Watts PoE continuous power
- IEEE 802.3at and 802.3af compliant
- Class detection
- 2years warranty



Functionality

The LAN Power Model **IL-PoE35** Single Port High Power/PoE PlusMidspan Injector supports powering IP End Devices such as iluminar PoE powered illuminators over an Ethernet cable. The Single Port High Power/PoE PlusMidspan Injector adds up to 35 watts continuously at ~48 VDC to unused (non-data) wires in a standard Category 5, 5e, or 6 Ethernet cable. The IL-PoE35 delivers both data and power over a single standard Ethernet cable to a PoE enabled End device designed to receive both Data and Power through its RJ45 connector. The second RJ45 passes data only through to the Ethernet Switch. The maximum cable distance from the Ethernet Switch to the end IP Device is 328 feet/100 meters.



Models

| Model Number | Power Cord |
|--------------|----------------|
| IL-PoE35NA | North American |
| IL-PoE35EU | European |
| IL-PoE35UK | UK |

General

| | |
|----------------------|---|
| Output | Wattage 35 Watts continuous |
| Data Links Supported | 10Mbps, 100Mbps or 1000Mbps (Gigabit Compatible) |
| LED indicators | Display powerstatus |
| Surge Protection | Over voltage current & short circuit protected |
| Bracket | Wall mounting bracket |
| Power Cord | IEC320 inlet 2-pin C8 Cord |
| Compatible Devices | Any PoE Compliant Device |
| Warranty | Full 2 Year Product Warranty |
| Weight | 6.3 oz. (0.18 Kg) |
| Dimensions | 5.04" x 2" x 1.38" (128 x 51 x 35mm) |

Environmental

| | |
|------------------------|--|
| Operating Temperature: | -4° to 104°F (-20° to 40°C) @35W -4° to 131°F (-20° to 55°C) @25W -4° to 140°F (-20° to 60°C) @20W |
| Relative Humidity: | 5% to 90% non-condensing |

Ethernet Data Throughput

| | |
|------------------|---|
| Throughput Speed | 10 Mbs Ethernet, 100 Mbs Fast Ethernet or 1000 Mbs (Gigabit compatible) |
| Connector Type | Non-Shielded RJ-45 meets EIA 568A and 568B |

Electrical

AC Power Input

| | |
|-----------------------|--|
| Power Cord type: | Removable with IEC 320-C8 2 pin connector |
| Power Supply: | Single, Internal |
| Voltage Range: | 90 - 264VAC autosensing |
| Voltage Rating: | 100 - 240VAC |
| Frequency Range: | 47 - 63Hz |
| Frequency Rating: | 50 - 60Hz |
| Max. In-rush Current: | 60A Max. @ 240VAC |

DC Power Output

| | |
|-------------------------|---|
| PoE Protocol: | IEEE 802.3af & 802.3at with Class Detection |
| Power on Data Pins: | 3 & 6 (+), 1 & 2 (-) |
| Output Voltage: | +56VDC (+1V/-2V) |
| Max. Power on Port: | 35 Watts-Class 4 @ 40°C (exceeds PoE Standard) |
| Load: | 10mA (Min.) 0.35A (Max.) |
| Regulation (Line/Load): | ± 5% |
| Efficiency: | 80% (typical) at Max. load, & 120VAC 60Hz, class 4 |
| Hold-up Time: | 10mS |

Certifications

Safety Approvals

- FCC
- CE
- UL/cUL



Compliant and exceeds IEEE 802.3at and 802.3af 'High Power/PoE Plus' Power over Ethernet Standards