



MSTronic Co.,Ltd.

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MIT-07N-48BDNN

PoE Injector

AC/DC, 10/100M, 802.3af

1. INPUT :

- 1.1 Input Voltage: 100Vac to 240Vac
- 1.2 Input Frequency: 50/60 hz
- 1.3 Input Current: 0.49A at 100Vac
0.27A at 240Vac

2. OUTPUT :

2.1 Output Voltage & Current:

OUTPUT	48V
Max. load	0.35A
Power	17W
Min. Load	0A
Load reg. %	5%
Line reg. %	1%
Ripple %	1%
Noise %	1%

TOTAL POWER : 17W

Note 1: Noise bandwidth is from DC to 20Mhz. Ripple & Noise is measured by
Paralleling a 0.1Uf metalized capacitor on the test point.

3. EFFICIENCY : 87% min at Full Load , 100Vac & 240Vac Input Voltage

4. PROTECTION

4.1 Short Circuit Protection

Output Short GND Terminal will not damage the Power Supply and will Auto-Reset.

4.2 Input with Fuse Protection.

4.3 High Pot: 4242Vdc, 60Sec, Input Terminal to output Terminal.

4.4 Meet Level 6 (USA DOE VI)

4.5 EMC: meet IEC55032 class B, FCC class B

4.6 Safety: meet IEC62368-1



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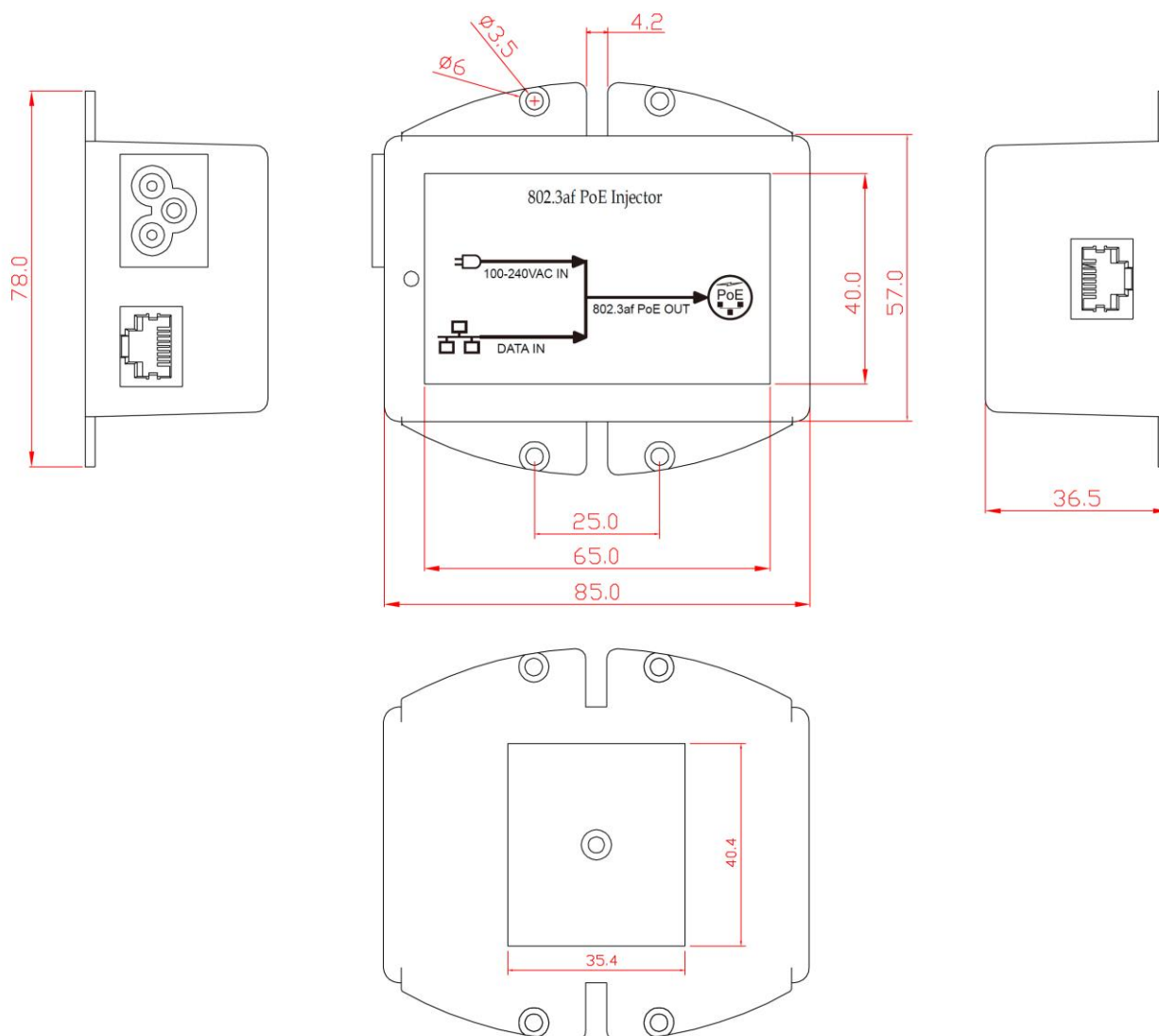
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5. GENERAL DESCRIPTION

- 5.1 Operation Temperature: -40 - +40 Degree
- 5.2 Storage Temperature: -40 - +85 Degree
- 5.3 Operation Humidity: 5% - 90%
- 5.4 Cooling: Free air cooling
- 5.5 SIZE : 86*78*36 (L)*(W)*(H) unit: m/m
- 5.6 DIN rail mountable by clip kit (option)



6. Indicator :

- 6.1 LED (GREEN) Indicate 802.3af PD detected, POE Output normal.
- 6.2 LED (RED) Indicate no valid detection, no POE Output.



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7. CONNECTION :

RJ-45 Input (Data Only)			RJ-45 Output (Data & Power)	
Pin	Symbol	Description	Symbol	Description
1	RX+	Data Receive	RX+	Data Receive
2	RX-	Data Receive	RX-	Data Receive
3	TX+	Data Transmit	TX+	Data Transmit
4	NC	Not Connector	+Vdc	Feeding power(+)
5	NC	Not Connector	+Vdc	Feeding power(+)
6	TX-	Data Transmit	TX-	Data Transmit
7	NC	Not Connector	-Vdc	Feeding power(-)
8	NC	Not Connector	-Vdc	Feeding power(-)

Installation

8. Installation

To install the Gigabit PoE Injector, please follow the steps below.

8.1 Connect the DATA IN port on the Gigabit PoE Injector to a switch or HUB with an RJ-45 cable.

8.2 Using an RJ-45 cable, connect the DATA OUT port on the Gigabit PoE Injector to a PoE splitter, PoE device (such as a router, access Point, etc.) or a PoE Hub.

8.3 Plug in the power connector of the Injector to a connect dc power outlet.

8.4 The product fixed installation, please refer to the figure 1.

8.5 Before starting, ensure all connections are correct.

- The Gigabit PoE Injector connects to the Splitter, PoE Hub or POE device through the DATA OUT port.
- The Gigabit PoE Injector connects to the switch through the DATA IN port.
- The POWER IN port is receiving power from the dc power outlet.

Start connecting the operating voltage solely if all the above requirements are fulfilled.



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9. Safety Instructions

- 9.1 This product is for build-in use only
- 9.2 This product is only used by instructed person
- 9.3 The application equipment should provide basic safeguard
- 9.4 Do not place the device on any unstable surface
- 9.5 Do not use the device near water
- 9.6 Do not place the device near, or over, radiators or heat registers
- 9.7 Do not place the device on any locations where children

Figure 1.

