



# MSTronic Co.,Ltd.

2F, 12, Gongshang Rd., Wugu Dist., New Taipei City, 248, Taiwan

TEL:886-2-2293-0159 FAX:886-2-2292-8851

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## MIT 77N-48BNNNH

### AC/DC PoE Injector

#### 1. INPUT :

- 1.1 Input Voltage: 100Vac to 240Vac
- 1.2 Input Frequency: 47-63 hz
- 1.3 Input Current: 0.46A at 120Vac  
0.26A at 230Vac

#### 2. OUTPUT :

##### 2.1 Output Voltage & Current:

OUTPUT	48V
Max. load	0.5A
Power	24W
Min. Load	0A
Load reg. %	5%
Line reg. %	1%
Ripple %	1%
Noise %	1%

TOTAL POWER :24W

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 , 120Vac & 230Vac 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.

#### 5. GENERAL DESCRIPTION

- 5.1 Operation Temperature: -40 - +70 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



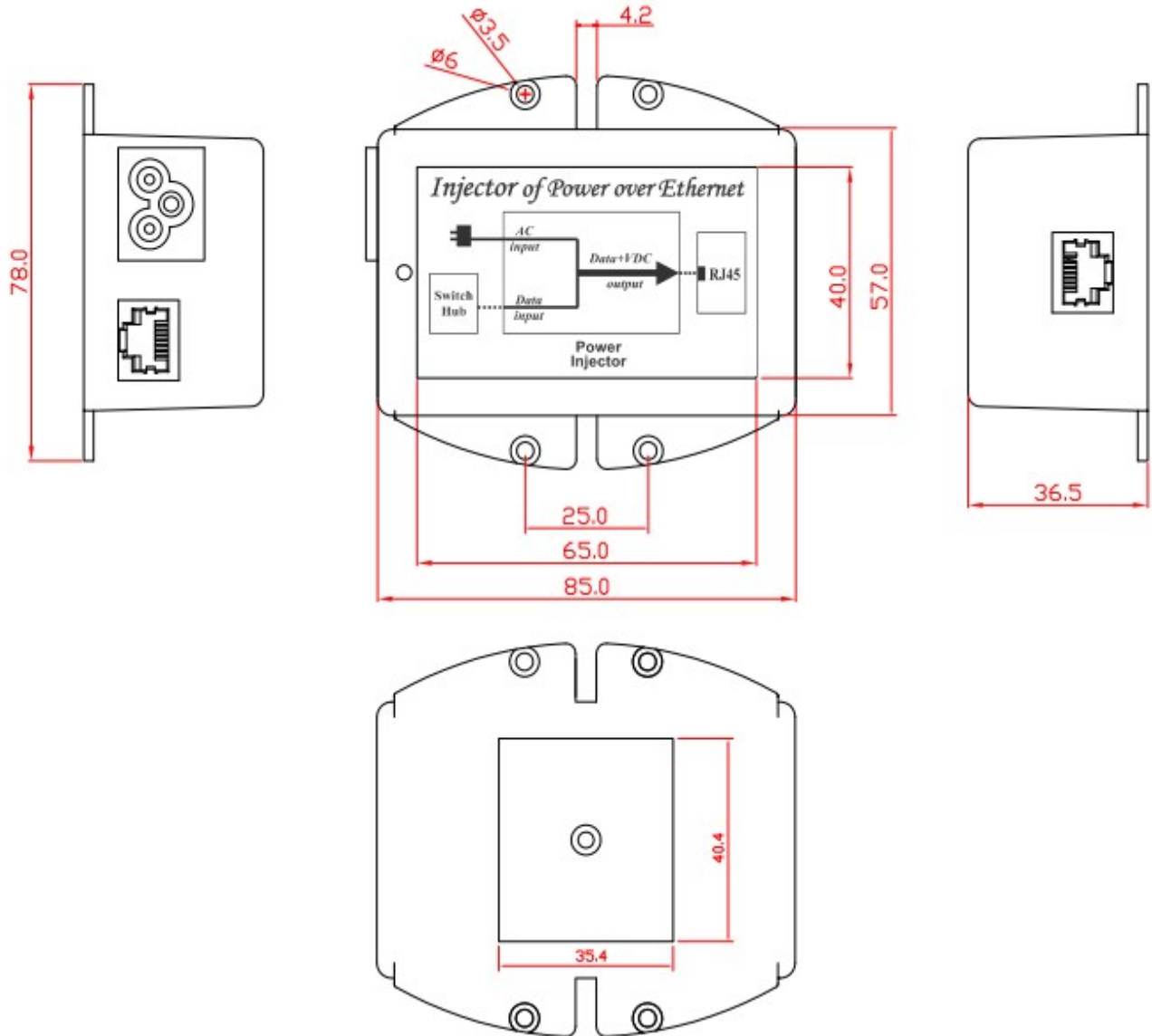
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## 6. SPEC. of SURGE/LIGHTNING PROTECTION

	Signal
Operating Voltage	Data 5V
Clamping Voltage	Data 16.5V (@I PP =5A, t p =8/20μs, I/O pin to GND)
Peak Pulse Current	20A (tp=8/20μs)
Pin Protected	All 8 pin protected
Max. Shut Capacitance	<3pF (VR = 0V, f = 1MHz, I/O pin to GND) < 1.5 pF (VR = 0V, f = 1MHz, Between I/O pins)
IEC COMPATIBILITY (EN61000-4)	IEC61000-4-2 (ESD) ±15kV (air), ±8kV (contact) IEC61000-4-4 (EFT) 40A (5/50ns) IEC61000-4-5 (Lightning) 20A (8/20μs)

## 8. Indicator :

8.1 LED (GREEN) indicates PWR – OK

## 9 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(-)

Note : the model is isolated design, the output +/- or input +/- can be shorted to ground (FG).



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## Application of POE (Power over Ethernet)

