



MSTronic Co.,Ltd.

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MIT 77N-18BNNN

PoE Injector

1. INPUT :

- 1.1 Input Voltage: 100Vac to 240Vac
- 1.2 Input Frequency: 47-63 hz
- 1.3 Input Current: 0.36A at 120Vac
0.21A at 230Vac

2. OUTPUT :

2.1 Output Voltage & Current:

OUTPUT	18V
Max. load	1A
Power	18W
Min. Load	0A
Load reg. %	5%
Line reg. %	1%
Ripple %	1%
Noise %	1%

TOTAL POWER :18W

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

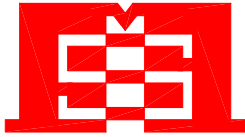
Output Short GND Terminal will not damage the Power Supply and will Auto-Reset.

4.2 Input with Fuse Protection.

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

5. GENERAL DESCRIPTION

- 5.1 Operation Temperature: -25 - +50 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



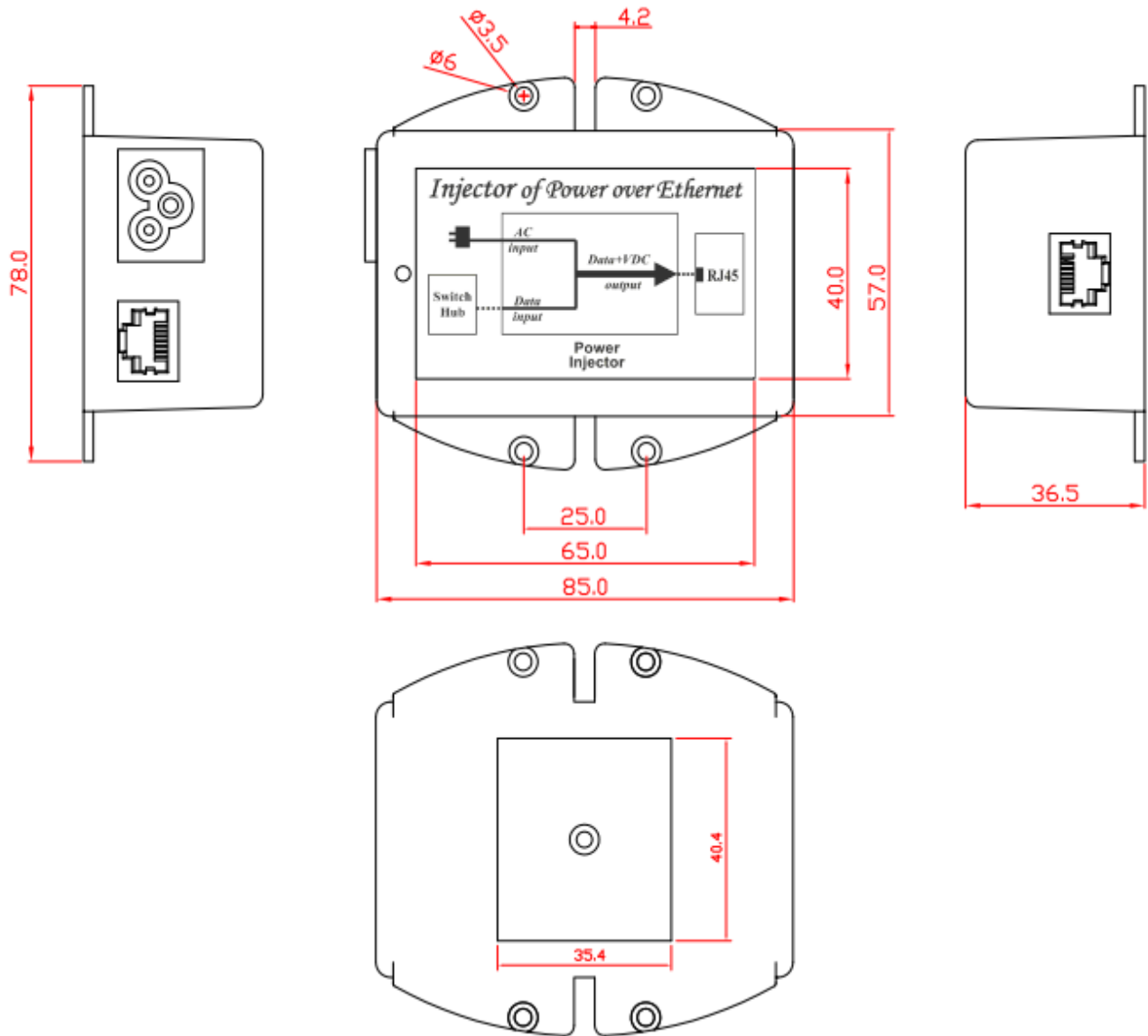
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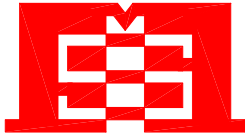
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6. SPEC. of SURGE/LIGHTNING PROTECTION

	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)

7. Indicator :

7.1 LED (GREEN) indicates PWR – OK

8 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)

