

# Network Lightning / Surge Protector PoE Compatible

**P/N : KWS-10E**

## **Features :**

- ✧ Shielded RJ45 jack and metal housing for EMC noise suppression.
- ✧ CAT5 / CAT5e compatible.
- ✧ Cast aluminum construction.
- ✧ Integral mounting feet.
- ✧ Bi-Directional Protection.



## Specifications :

✧ Operating Voltage	Data 5V	PoE 48V
✧ Break Down Voltage	Data 90V	Power 90V
✧ <b>Max. Surge Discharge Current</b>	Data 10KA	Power 10KA (8/20uS)
✧ Peak Pulse Current	100A (10/1000uS)	
✧ Pin Protected (1)	All 8 pin protected	
✧ Protection Mode	Differential & Common mode	
✧ Insulation Impedance	> 1000Mohm	
✧ <b>Max. Shut Capacitance</b>	Power < 2.5pF	Data < 2.5pF
✧ <b>Data Rate</b>	1000Mbps	
✧ Impulse Protected Voltage	< 500V	
✧ Response Time	< 5nS	
✧ Operating Temperature	-40°C ~ +85°C	
✧ Storage Temperature	-40°C ~ +125°C	
✧ Operating Humidify	0 ~ 95% non condensing	
✧ Ground Lug Wire	16AWG	
✧ Dimensions	120 x 25.4 x 25.4 mm (include bracket)	
	111 x 25.4 x 25.4 mm (main body)	
✧ Weight	105g	

Note 1: Pin to Pin & Pin to Ground

4/5 pin to 7/8 pin & 4/5 pin to ground & 7/8 pin to ground.

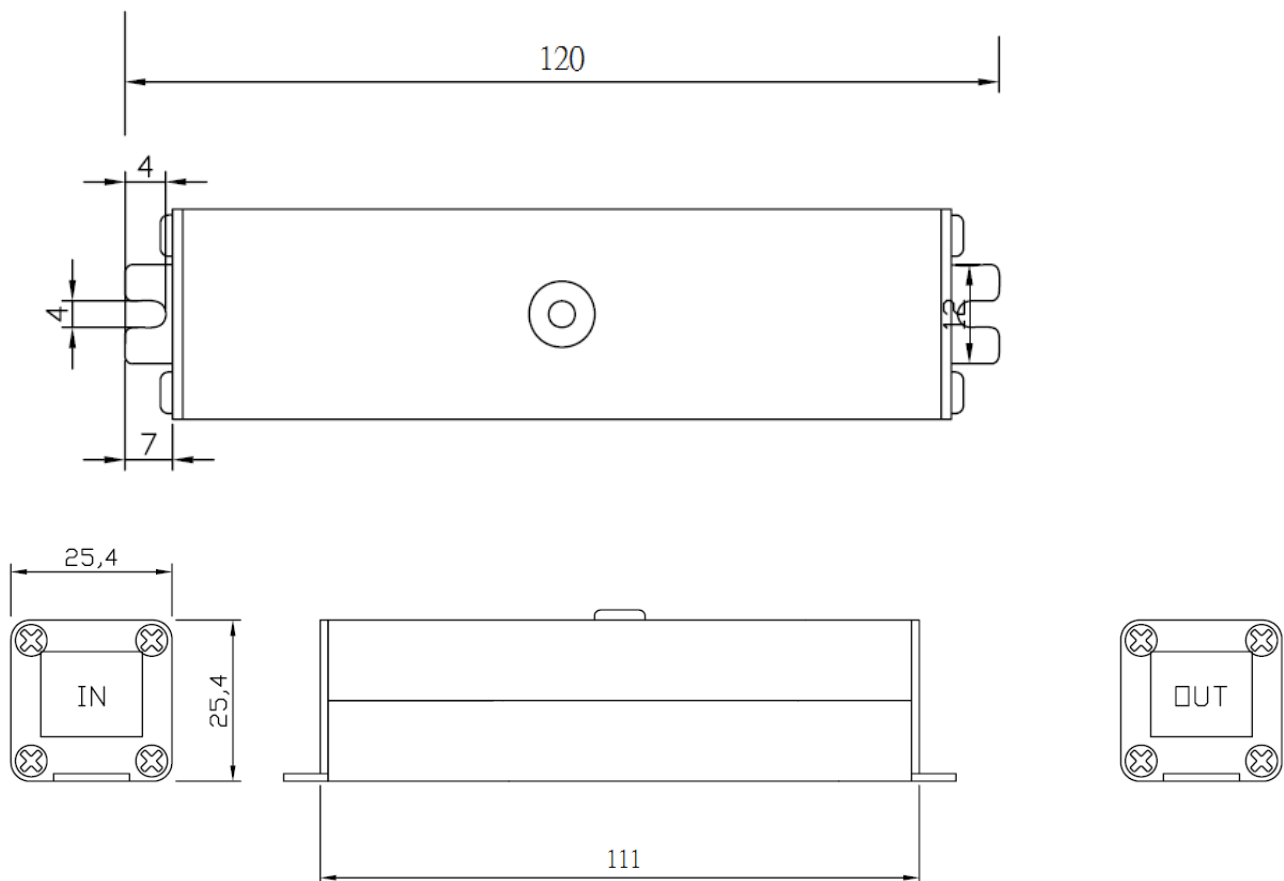
1/2 pin to ground & 3/6 pin to ground.

1 pin to 2 pin over current protection, 3 pin to 6 pin over current protection.

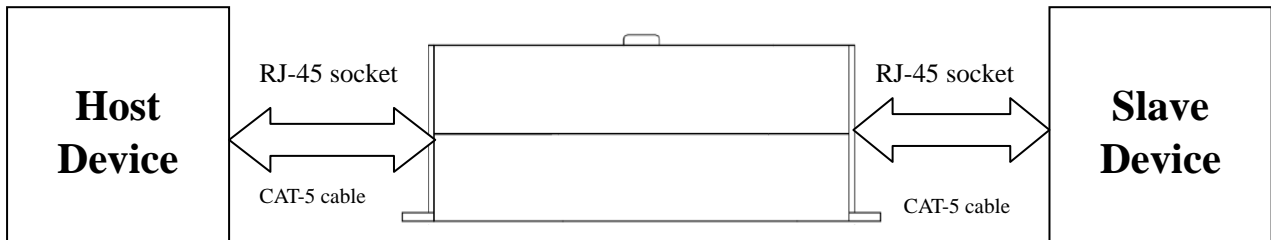
4 pin to 5 pin over current protection, 7 pin to 8 pin over current protection.

**Over current protection turn-off point 180mA ~ 360mA.**

## Mechanical Specifications :



## Installation / Application :



\*\* The Protector is Bi-Directional so it's no issue in connection between Host and slave devices.

### Protects all these ...



Ethernet I/O



Switch, Hub



PC



Printer



PLC



Workstation

and much more ...