

PoE mode: **A+B mode, all 8 wires injected**
B mode, 4 & 5 / 7 & 8
A mode, 1 & 2 / 3 & 6

- ASPI** surge protector
- 2** stages tvs-gdt
- 15** kA peak surge current
- A-B** PoE modes
- CMD** remote management
- LAN** galvanic isolated
- 1 ms** short circuit protection



9.
 Power Protection
 for PoE

Active Surge Protector Injector

Gigabit Surge Protector Injector with Active Protections

Gigabit PoE multi-mode

PoE method can be selected through simple switches. It can power both Mode A and Mode B PoE devices and both strict or reverse polarity devices.

Galvanic isolation

Galvanic isolation protects circuits and people against surge between input side and output side. This results in the best protection for your devices and for you.

Surge Protection

Devices connected are protected against electrostatic surge and electric shocks. The combination of different types of dischargers maximizes efficiency and reduces action time.

Active Protection

The microprocessor controls each life parameters of the injector and protects against overvoltage, overload and short circuit. In alarm mode the injection is disabled for 10 seconds and enabled again automatically.

Remote Control

Connect the Injector to the Controller Unit in order to switch it on and off remotely and monitor load and alarm state via web or SNMP

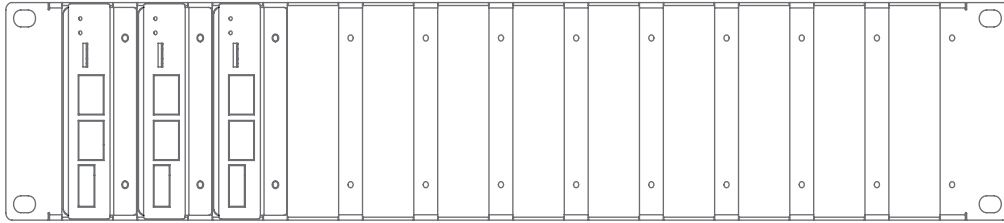
Electrical Specifications

Operating Voltage	10 - 60 Volts AC/DC
Max Current	1 A (2A in High Power Version)
Power Connector	1.5 mm ² wires terminal blocks
Ethernet Connectors	Shielded RJ45 Jacks
GND Connector	4 mm lug
Power Lines (Mode B)	+ VDC: Pins 4 & 5 (7 & 8 with inverse polarity) - VDC: Pins 7 & 8 (4 & 5 with inverse polarity)
Power Lines (Mode A)	+ VDC: Pins 1 & 2 (3 & 6 with inverse polarity) - VDC: Pins 3 & 6 (1 & 2 with inverse polarity)
Transmission Speeds	10BaseT; 100BaseT; 1000BaseT
Leds	Status led (blinks if no charge connected), Alarm led (on if injection is disabled), BUS led
Active Protection	Overvoltage control, Overload control, Short Circuit Protection (1ms reaction time)

Active Surge Protector Injector

Rack Mount Panel

Each module can be placed in a 2U rack mount panel. The panel can handle up to 12 units.



SPD Specifications

Spark Over Voltage	90 Volts
Peak Surge Current	15kA
Modes of Protection	All Lines (1-8) Protected (L-L) and (L-G)
SPD Technology	2 stages: TVS, GDT

Environmental

Operating Temperature	-40°C to +80°C
Humidity	0 - 95% non condensing

Mechanical Specifications

Dimensions (LxWxD)	88 x 78 x 24 (36 with flange) mm
Weight	75g
Enclosure Material	Varnished Iron

Compliance and Warranty

EMC	EN55022 Class B, EN61000-4
Rohs Compliant	Yes
Warranty	Standard: 2 years from date of purchase

TERMS OF USE: This device must be professionally installed. Shielded ethernet cable and earth grounding must be used as conditions of product warranty. All specifications in this document are subject to change without notice.

For further information please visit www.9dot.it.

Remote control

Connect each module to the Command Module to remote on/off switch and monitor through web interface and SNMP current level, input voltage and alarm status.

