



INPUT TYPE	DIP-switch	1	2	3
CURRENT 4 - 20 mA				
CURRENT 0 - 20 mA				
VOLTAGE 1 - 5 Vdc				
VOLTAGE 0 - 5 Vdc				
VOLTAGE 2 - 10 Vdc				
VOLTAGE 0 - 10 Vdc				

**1 DIP-switch to select input type:**

**2 green LED “RETE”** : on if equipment is powered.

**3 red LED “ALLARME”** :

- off : if input signal is lower than the threshold;
- on : if input signal is upper than the threshold, during operating delay time, if relays don't work yet.

**4 Potentiometer “SOGLIA”** : for regulation of the operating value between 1% and 100% of input signal.

**5 Potentiometer “RITARDO”** : for regulation of the time delay between 0 e 45 seconds.

## **CONNECTIONS :**

### **1 POWER :**

S113 - 1 - ST	Type 115-230 Vac	115 Vac Clamps 17 / 18	230 Vac Clamps 16 / 18
---------------	------------------	---------------------------	---------------------------

**2 ANALOG INPUT :** Clamps 1 - 2  
negative ( - ) at clamp 1  
positive ( + ) at clamp 2

**ATTENTION :** You must control in the table you have select correctly input's type by DIP-switches.

### **CALIBRATION OF THRESHOLD VALUE :**

Calibration of threshold value is easy using a common digital tester that has 10Vdc input and connected by negative to clamp 3 and by positive to clamp 4.

**EXAMPLE :** To calibrate alarm's threshold to 35% input signal, trim potentiometer "SOGLIA" till 3,5 Vdc.

### **3 OUTPUT RELAY**

Alarm's output gives a SPDT switch 5 A 250 Vac (resistive load).

Output relay's contacts are on clamps :

- 10 Common
- 11 Contact N.C.
- 12 Contact N.O.

Relay is normally excited and it deexcitate when threshold's overflow after the time delay.

### **FEATURES**

- Power : 115 / 230 Vac +/- 10% 50 / 60 Hz adjustable
- Consumption : 1,5 VA
- Threshold : adjustable between 1% and 100% of controlling quantity
- Hysteresis : fixed, 2% approx. of operating value
- Operating delay : adjustable between 0 and 45 seconds
- Temperature : 0° / + 60 °C
- Humidity : 90 % at 40 °C (not condensing)
- Size : 52,5 x 94 x 58,5 mm
- Weight : 290 g approx.
- Box : 3 modules to couple on 35 mm bar