Alarm's threshold for analog signals with two independent output's relais , in a box 4 modules on back of panel.
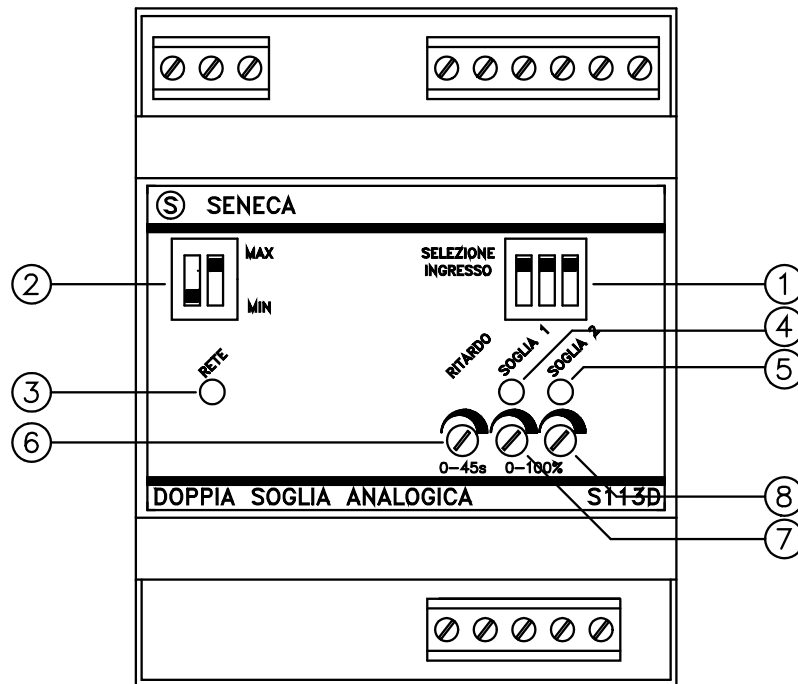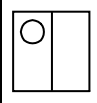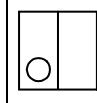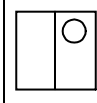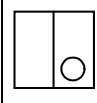

1   DIP-switch to select input

It is possible to select 6 different inputs in current or in voltage, having DIP-switches "SELEZIONE INGRESSO" as in table below:

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

2   DIP-switch to select alarm's type
Each alarm's relay can be configured for maximum or minimum operation programing DIP-switches as in table below:

ALARM 1 MAX	MIN	ALARM 2 MAX	MIN
◯	◯	◯	◯

3   green LED   "RETE" : on if powered equipment:

4   red LED   "ALLARME 1":
- off   :   signal not in alarm
- on   :   signal in alarm during operating time delay
                          --> relay "ALLARME 1" non yet operating
- blinking   :   signal in alarm after operating time delay
                          --> relay "ALLARME 1" has operate

5   red LED "ALLARME 2":
- off   :   signal not in alarm
- on   :   signal in alarm during operating time delay
                          -->relay "ALLARME 2" non yet operating
- blinking   :   signal in alarm after operating time delay
                          --> relay "ALLARME 2" has operate

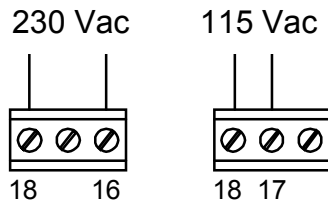**6   Trimmer "RITARDO" :** allows to regulate operating time delay between 0 and 45 seconds.
If lots alarms are configured for the same operating time (minimum or maximum) time delay works only on first alarm,while the following will work istantaneously

7   Trimmer "ALLARME 1" : allows to regulate operating value for ' ALLARME 1' between   0% and 100% of signal's input.
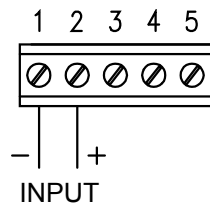
8   Trimmer "ALLARME 2" : allows to regulate operating value for' ALLARME 2' between   0% and 100% of signal's input.
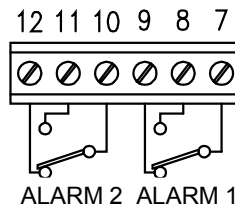
ELECTRICAL CONNECTIONS

POWER S113D-1-ST

230 Vac   115 Vac

18   16   18   17

INPUT

1 2 3 4 5

− | | +

INPUT

OUTPUTS

12 11 10 9 8 7

ALARM 2   ALARM 1

Note: Relays are drawn with equipement powered and not in alarm.
So if equipement is not powered the switch of relay is put on the contrary of the wiring

CALIBRATION OF THRESHOLD'S VALUE

Threshold's value calibration is easier using a common digital tester prearranged for 10Vdc input (0V corresponds to 0% and 10V corresponds to 100%), connecting between the clamps:
- 3 (-) and 4 (+) to trim   ALLARME 1's threshold
- 3 (-) and 5 (+) to trim   ALLARME 2's threshold.

EXAMPLE : To calibrate alarm's threshold at 35% of input signal, regulate trimmer corresponding to desired   value till voltage is 3,5Vdc.

FEATURES

- Power   : S113D-1-ST   115 / 230 Vac   +/- 10%   50 / 60 Hz
- Consumption   : 1,5 VA
- Input   : current   0 - 20 mA ,   4 - 20 mA
                   voltage   0 - 5 Vdc ,   1 - 5 Vdc ,   0 - 10 Vdc ,   2 - 10 Vdc
                   you can ragulate by three DIP-switches
- Thresholds   : regulated between 0% and 100% of input signal
- Delay   : regulated between 0 and 45 seconds approx.
- Hysteresis   : fixed at 3%
- Operation   : minimum   or di maximum you can regulate indipendently for
                   each relay by three DIP-switches
- Relay   : two indipendent relais   SPDT switch each one,
                           5A   250Vac (resistive load)
- Temperature   : 0° / + 60° C
- Humidity   : max 90% at 40° C   (not condensing)
- Size/ Weight   : 70 x 90 x 72 mm / 280 g approx.