AMBIENT TEMPERATURE & RELATIVE HUMIDITY DETECTOR

SAU 012 Eng.

- **Active humidity detector 0...10 V–**
- **Passive temperature detector NTC 10 kΩ**
- **Wall mounting**

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1. APPLICATION

SAU 012 is designed to monitor ambient temperature and relative humidity

2. TECHNICAL DATA

Temperature detector:		Protection	IP 30
type	passive NTC 10 kΩ	Dimensions	80 x 80 x 26 mm
range	0...40 °C	Mounting	wall
time constant	1 min.	Construction standards	Italian Electrotech. Comm. (CEI)
Humidity sensor:		Materials:	
type	active 0...10 V –	base	NYLON
range	20...80 %	cover	ABS
accurancy	5 %	Weight	70 g
time constant	3 min.		

3. INSTALLATION

SAU 012 must be installed at a height of 1.5...1.6 meters from the floor, on an internal wall, at a point which represents the average humidity and temperature. It must be as far as possible from windows, doors and other sources of heat and corners and curtains must be avoided.
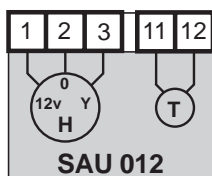
- Separate cover from base by releasing the securing clip.
- Fix the base to the wall or to the junction box using the holes provided.
- Carry out the wiring strictly according to the diagram (4) and in observance of the safety regulations in force, using cables of 1.5 mm^2.
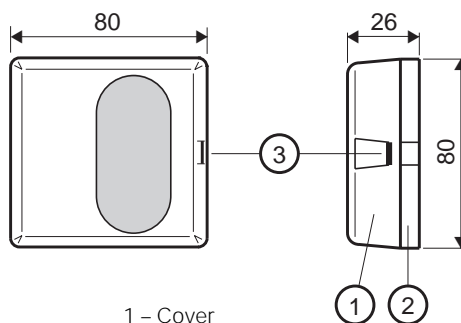- Replace cover on base and close carefully until they click together

Warning:
If the detector is mounted on a junction box it may happen that the detector is cooled by cold air coming from the tubes protecting the electric cables. In this event it is necessary to insulate thermally the back of the base.

You are advised not to insert more than two cables in a single terminal of the detector and if necessary ti make use of external junction boxes
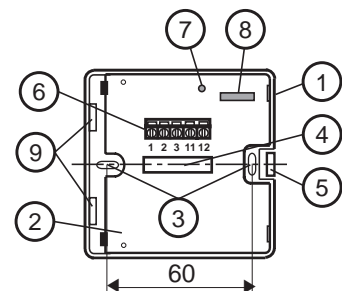
4. WIRING DIAGRAM

5. OVERALL DIMENSIONS

1 – Cover
2 – Base
3 – Cover securing clip

6. BASE

1 – Base
2 – Printed circuit
3 – Holes for fixing screws
4 – Hole for cables
5 – Cover securing clip
6 – Terminal block
7 – Temperature detector
8 – Humidity detector
9 – Hinge elements

COSTER

GIE   We reserve the right to make changes without notice