

Liquid Intrusion Safety Alarm: LISA Instructions manual

RIBBON ALIKE LISA-T DETECTOR

Location: The detectors may be fitted on any horizontal or vertical surface. Verify that it touches the surface without any spacing.

NOTE (Interference): No metallic or electrically conductive object could be in contact with the stainless steel wires inside the ribbon; this avoid step walk on it and location where tools could touch the ribbon when monitoring is performing. The ribbon may not be fit close to a main power supply cable.



Correct



Forbidden

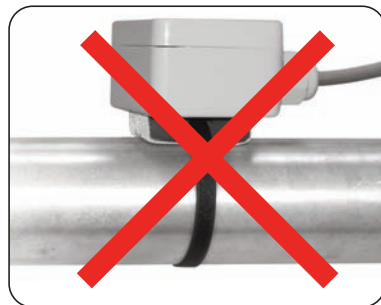
Fitting: The use of staples is possible if the staple fits in the centre of the ribbon and does not make a short circuit between the two stainless steel wires. To glue the ribbon on a surface we recommend the PL400 technical glue (one 300 cm³ refill for approximately 25 m).

ONE POINT DETECTOR LISA-B

The one point detector may be strapped on a pipe, for a local survey. Better to fit it on the lower part of the pipe.



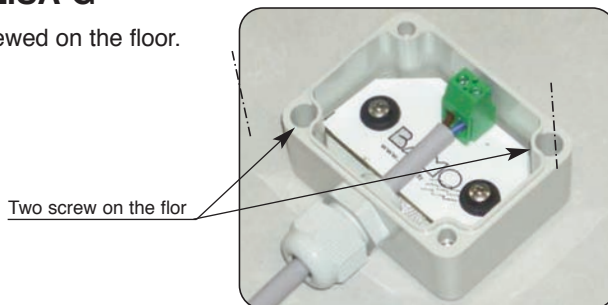
Correct



Not recommended

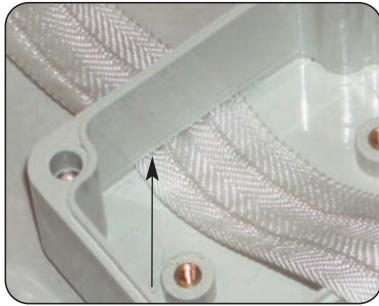
FLOOR DETECTOR LISA-G

The floor detector may be screwed on the floor.

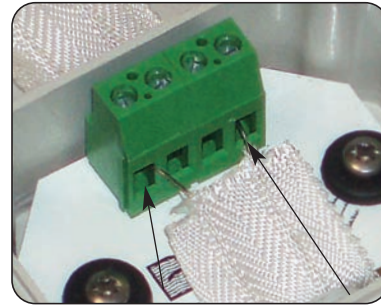


To assure the self diagnostic of the detection loop using the relay ES5000, both detectors LISA-B and LISA-G are supplied with a built-in resistor of 680 k Ω

LINE CONNECTION KITS



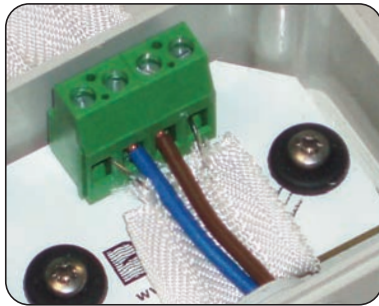
- Open the housing
- take off the board
- Pass the ribbon through the slit



- Fit back the board
- Pass the ribbon over the board
- Screw tightly the stainless steel wires

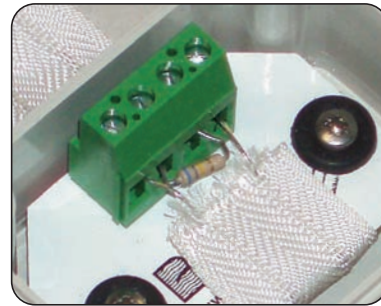
The **LISA-T -K1** kit allows connecting the ribbon to the cable from the relay.

The **LISA-T -K2** kit allows using the self diagnostic of the detection loop using the relay ES5000 when a resistor (680 kΩ) is fitted.



LISA-T -K1 kit (Starting ribbon line detection)

- Screw on the cable from the relay on the centered connectors



LISA-T -K2 kit (End of detection line)

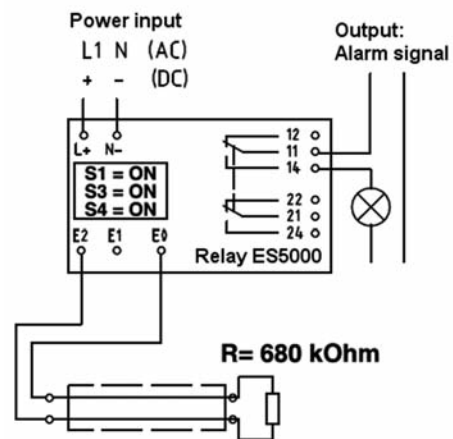
- Fit the resistor on the cantered connectors

WIRING



To assure the self diagnostic of the detection loop (short circuit on the loop detection and ribbon sensor break off) using the relay ES5000:

- The total length of the sensor Ribbon alike detector LISA-T, is 50 m as a maximum and
- It could be added an extension cable (2 wires 0.5 mm²) of a length of 50 m as a maximum.



TECHNICAL FEATURES

Ribbon alike detector LISA-T

Width: 20 mm
Supplied per roll of 50 m

One point detector LISA-B

Mass: 50 g
Dimensions L x W x H: 65 x 50 x 45 mm (*cable gland excluded*)

Floor detector LISA-G

Mass: < 50 g
Dimensions: L x W x H: 65 x 50 x 35 mm (*cable gland excluded*)

LISA-T -K1 and LISA-T -K2, kits

Mass: < 50 g
Dimensions: L x W x H: 65 x 50 x 35 mm (*cable gland excluded*)