APPROACH DETECTOR

ART. 30009101

Ideal for detecting whether someone is close to the prevention equipment and to the facilities. The signal sent by the detector can be used for alarm, start the CCTV equipment, start lighting and any electrical equipment.

Specifications:

- Relay output: C-NC (Normally Closed)
- Detection angle: 110°
- Coverage distance: from 0.3 to 8 m
- Distance from multiple detectors: 0.5m min
- Warm up time: from 30 sec. to 2 minutes max
- Reaction time: 1 sec.
- Power supply: from 9 to 16V DC
- Current absorption: 23mA max (4.5mA in stand by) @ 12V DC
- Operating temperature: from –15°C to +60°C
- Dimensions (W x H x D): 55 x 105 × 26 mm

Installation:

- Open the cover of the approach detector
- Fix the approach detector in the suitable location
- Make the electrical connections
- Power the system
- Close the cover of the detector
- Testing the detector and eventually adjust the alert area through the trimmer VR1. Rotate anticlockwise for the minimun (0.3m) or clockwise for the maximum (8m) coverage distance

Notes:

- The detector will not work when the voltage is lower than 9V DC
- If the voltage is higher than 16V DC, the sensor may be damaged
- If you accidentally reverses the connection of power supply, the sensor may be damaged
- The cables of Relay Output and Anti-Tamper have not distinction between positive and negative
- When adjusting the alert area through the trimmer VR1, please select the appropriate tool and gently rotate

Sensor description:
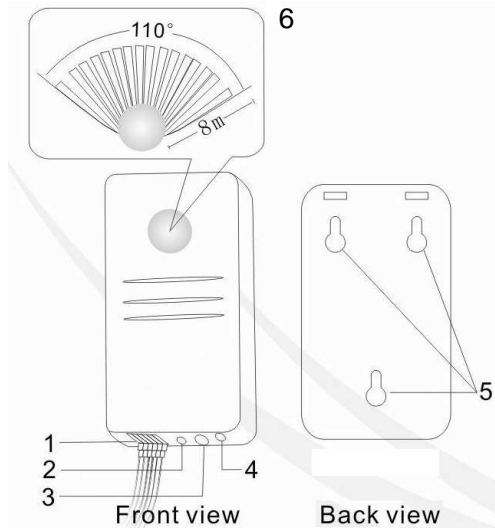
1 – Connector and cables
2 – Button stand for open the housing (push it inward)
3 – Adjustment trimmer VR1
4 – Working status LED (to exclude it remove the jumper S2)
5 – Mounting screw holes
6 – Alert area

Circuit board description (front view):
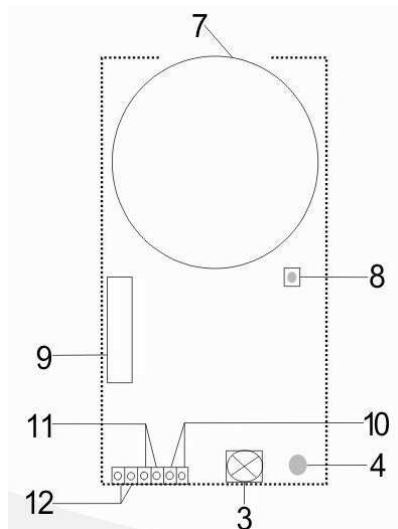
7 – Sensor
8 – Tamper switch
9 – Relay
10 – Tamper output (C-NC, blue and green wires)
11 – Relay output (C-NC, yellow and white wires)
12 – Power input (red wire **+12V DC**, black wire **negative**)

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