DUAL TECHNOLOGY CURTAIN LENS INTRUSION DETECTOR
ART. 30088009/30088009M

Please read this document thoroughly before use
and keep it for future reference.

RoHS COMPLIANT 2002/95/EC

Via Don Arrigoni, 5 24020 Rovetta S. Lorenzo (Bergamo)

http://www.comelit.eu e-mail:export.department@comelit.it

1. INTRODUCTION

The **art. 30088009** (white color) or **30088009M** (brown color) is a Dual Technology detector, able to create a "curtain's shape" protection barrier usefull for doors and windows or everywhere is necessary to detect a movement in only one direction. Infrared section is constituted by a double element PIR, the microwave's section it's realized by a 2,4 GHz planar cavity. Thanks to the innovative digital signal processing and capture's system it's able to reach an optimum coverage, ensuring an absolut safety against false alarms. The art. 30088009/30088009M it's equipped with a range trimmer with which is possible to set up the elevation's sensibility from 1 to 5 mt.

2. INSTALLATION AND SETTINGS

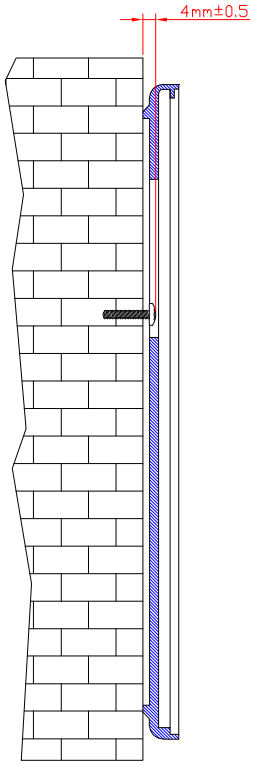
The detector it's been projected to be installed as passage's protection, i.e. between window and shutter and/or rolling shutter, otherwise to protect doors and main entrance. During mounting the infrared's lens position have to be considered, in particular it has to be always oriented to the bottom as shown in fig.2. It's important the range's tuning that as to be close to the real desired coverage. Rotating the trimmer in clockwise direction the sensibility will be increased (fig.1). Been a dual technology detector it's not affected by thermal variations due to sun or an other source, therefore doesn't needs particular solutions in case of installation exposed to heat sources. Consider during the installation that the detector should need to be oriented and/or tilted a little bit to achieve the coverage's needs.

3. CONNECTIONS

As for the connections with the control unit please refer to fig.1. Consider that the detector is equipped with Solid State Relays, therefore it's important to never connect loads superiors of the related data provided at the end of this manual.

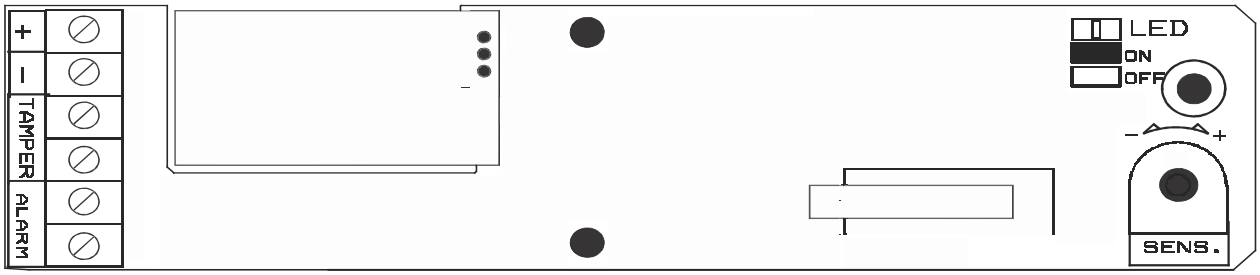
TUNING: set the Range to the minimum by rotating the trimmer in anticlockwise direction, then start to rotate the trimmer in clockwise direction until reach the desired coverage.

LED WALK TEST: to completely deactivate the WALK TEST's LED it's necessary to operate to the jumper located in the PCB (Jumper Closed = LED Activated).



Practice a hole of diameter bigger than the rawl- plug you will use on the back of the detector's cover, please refer to the drill scheme. Insert the rawlplug into the wall leaving the screw a little outside to ensure the back switch's contact closure.

4. BOARD



+ - = Power supply
Tamper = Antiopening tamper line (NC)
Alarm = Alarm's contact (NC)
Sens. = Range's Tuning Trimmer (Anticlockwise = Decrease, Clockwise = Increase)
Jumper Led = Walk Test's LED Activation/Deactivation Terminal

fig. 1

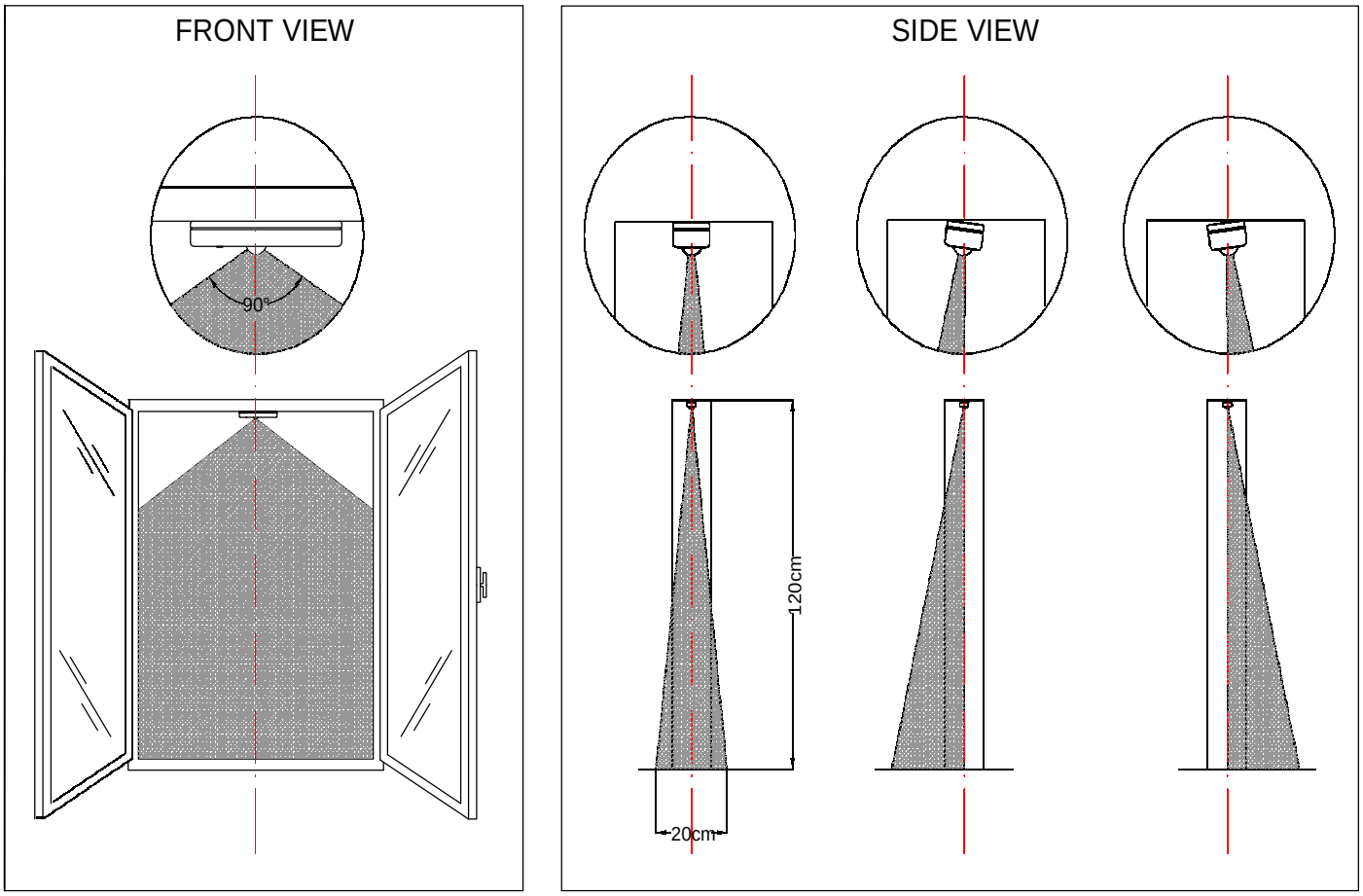


fig. 2

SPECIFICATIONS	
Art. 30088009/30088009M	
Input Voltage	from 9 to 15V DC
Current Drain (Alarm/Stand-By)	(22 mA / 22mA) @ 13.8V DC
IP Grade	IP42
Coverage	5 m
Angle	90°
PIR	2 elements
Microwave	DRO freq. 2.45 GHz
Max. Radiated power	10 mW
Type of Emitted Signal	Continous
Lens (beams and levels)	5 patterns on 1 levels
Alarm period	4 sec.
Alarm type	AND
Anti-opening	Yes
Creep Zone	Yes
Alarm's Contact	100 mA - 40 V - 16 Ω
Tamper Switch	Max 40 mA - 30V DC
Operating Temperature	from -25 °C to +55 °C
Storage Temperature	from -20 °C to +60 °C
RFI Protection	10 V / m (20 /1000 MHz)
WALK TEST led (MW and PIR)	Yes
Housing	ABS
Dimensions (LxHxW)	145 x 37 x 30 mm

Meets the requirements:
EN50131-2-4:2008
EN50131-2-4: Grade 2
EN50131-2-4: Environmental Class III

Our products/systems comply with the essential requirements of EEC directives.
Installation must be carried out following the local installation norms by qualified personnel.
The manufacturer refuses any responsibility when changes or unauthorized repairs are made to the product/system.
It is recommended to test the operation of the alarm product/system at least once a month. Despite frequent testing and due to, but not limited to, any or all of the following: tampering, electrical or communication disruption or improper use, it is possible for the product/system to fail to prevent burglary, rubbery, fire or otherwise. A properly installed and maintained alarm system can only reduce the risk that this happens.

The Manufacturer declares, in accordance with Directive 99/05/CE (R & TTE), the sensor mod. art. 30088009/30088009M meets the requirements of standard EN60950-1.

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Via Don Arrigoni, 5 24020 Rovetta S. Lorenzo (Bergamo)
http://www.comelit.eu e-mail:export.department@comelit.it