

### **TECHNICAL FEATURES**

Power supply:	12V +/- 3V
Max. consumption:	45mA
Operation consumption:	13mA
Microwave:	10.525 Ghz
Alarm time:	5 sec
Opto relay:	100mA/24V
Tamper:	100mA/30V
Working temperature:	-10°C/+55°C
Environmental humidity:	95%
Size without accessories:	185x85x80mm

- Outdoor triple technology detector (two PIR+MW);
- · Protection level: IP65;
- Complying with: EN50131-2-4 Degree 2, Class III;
- Two infrared PIR sensors with dual-element technology for high efficiency and filtered for white light;
- Fresnel lenses with 20 zones on 4 levels;
- ACTIVE LEDs ANTI-MASKING;
- Approaching system;
- High-quality polycarbonate housing, UV-stabilized;
- Protected electronic board;
- · High-resolution dynamic temperature compensation;
- Pet Immunity with THREE\_BALANCE™ logic.

	Ι	INPUT: aux input	F
	+	12V power supply input	
	-		
	TAMP	NC tamper	
	ALL	NC alarm relay	
	MASK	NC anti-masking relay	



JUMPER M: if connected, alarm relay is in series with antimasking relay.





### **DIP SWITCH 1 in ON DIP SWITCH 1 in OFF** position: Anti-masking on position: Anti-masking off armed OFF disarmed DIP SWITCH 2 (Active only with DIP1 in ON position) DIP SWITCH 2 in OFF 1 2 3 DIP SWITCH 2 in ON on position (default): It binds position: It deactivates off anti-masking detection to any approach detection on behalf of the microwave. **DIP SWITCH 3** <sup>4</sup> DIP SWITCH 3 in → OFF position: MAXI 234 oN DIP SWITCH 3 in ON position: ☐ PET Configuration (FIG.11) Configuration (FIG.12) Max. weight 10kg/Max. height 30cm Max. weight 12kg/Max. height 70cm **DIP SWITCH 4** DIP SWITCH 4 in ON position: LED OFF After "Walk Test", this allows to cancel alarm led signalization. ANTI-MASKING When detector is closed, avoid any movements close to the device as this might compromise the SELF-CALIBRATION of anti-masking system. If the detector gets masked, the three LEDs will blink simultaneously (GREEN, BLUE, YELLOW). NOTE: Pay attention not to place hands or tools in front of the Fresnel lens as this may cause improper self-calibration of anti-masking system. WALK TEST Before running "Walk Test", remove the COVER LENS (FIG.7) (for a better visualization). The COVER LENS will be replaced at the end of calibration. During "Walk Test", all LEDs will be visible. These will remain active for 20min after front plate closure to allow detector verification/calibration. After this period, only the alarm LED will be displayed (unless prior function has been set to LED OFF DIP4). To run Walk Test proceed as follows: - Adjust the trimmer so that people crossing can be detected within detector coverage area, not more (this to avoid PET inefficiency). Trimmer positioning for max. 10m coverage, as shown in FIG. 11-12; - Check detector alarm: - If alarm is absent because of a not simultaneous switching-on of the two IRs, please see section "ADJUSTMENT ACCORDING TO GROUND SLOPE" - FIG.10; As per factory default, in case of a stable closed environment where no MW emission can occur, it is possible to set the trimmer with higher range/sensitivity. For this reason, rotate the trimmer to the maximum (as shown in FIG.13) for a maximum range of 10m and then remove "PAR-PET" partializing lens (FIG.6). This configuration does not guarantee pet immunity. ADJUSTMENT ACCORDING TO GROUND SLOPE In case of slopes, use the SCREW FOR GROUND ADJUSTMENT sliding the

- board in relation to the screw as shown in FIG.10. - downhill ground: slide the circuit downwards (FIG.10C);
- uphill ground: slide the circuit downwards (FIG.10B).

Proceed to adjustment step-by-step in order to avoid an excessive detection beam rotation. Start from central position and then slide the circuit gradually until the best condition is obtained. After checking that YELLOW and RED LEDs are visualized at the same time, adjust the microwave (referring to MW ADJUSTMENT TRIMMER) to limit coverage area at required distance (as described in section "WALK TEST").

# PARTIALIZING LENSES FOR COVERAGE LIMITATION

When it comes to detector coverage limitation (for example in case of vegetation, moving objects, disturbed areas), apply these partializing lenses:

PAR-LIM CM to limit detection to central beams only (FIG.17);



### DIRECTIVE 2012/19/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 on waste electrical and electrical WEEE

The symbol of the crossed-out wheeled bin on the product or on its packaging indicates that this product must not be disposed of with other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. As an alternative to autonomous management, you can return the equipment to dispose to the dealer when buying a new equivalent product. At electronic retail shops with sales area of at least 400m2, it is possible to provide free of charge, without purchase obligation, electronic waste no bigger than 25cm. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment

PAR-LIM LM to limit detection to one side of the detector (FIG.17).

### DETECTOR CLOSURE

NO

NO

Once the appropriate adjustments are made (wirings, DIP SWITCH setting, range adjustment, partializing lenses application), close the detector fastening the 2 specific screws (one located in the upper part under the "roof", the other

**NOTE:** Pay attention not to place hands or tools in front of the Fresnel lens as **NOTE:** Pay attention not to place hands or tools in front of the Fresnel lens as **NOTE:** Pay attention of anti-masking system.

## **COMPLIANCE DECLARATION**

VENITEM Srl declares that this radio equipment is compatible with the essential requirements of the Directive 2014/53/UE. The declaration of conformity is available on website: www.venitem.com.



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8 m 9 m 10 m 6 m 7 m

X

3 m

HOW TO REMOTE PAR-PET

4 m

5 m