Outdoor PIR Detector

OPT-VXI-DAM-X5

Passive Infrared & Microwave Detector





Features

- Flexible detection patterns
- Area defining masking seals
- Double conductive shielding
- Sensitivity adjustment switch
- Digital double layer detection
- Combo microwave (10.525GHz) & passive infrared dectection
- Super multidimensional analysis (SMDA logic)

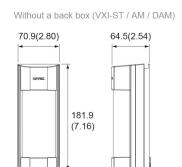




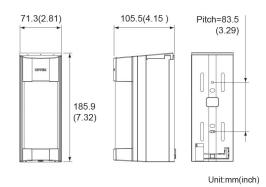
Detection Area

SIDE VIEW (Detection Distance by Positions) Position 1: Approx. 12m/40ft (Default) The actual detection distance is dependent on the thermal conditions within the given environment. Position 2: Approx. 8.5m/27.9ft **TOP VIEW** (Area diagram for D position) Position 3: Approx. 6.0m/19.7ft MW ABCDEFG g PIR Position 4: Approx. 3.5m/11.5ft С 10m 12m Position 5 : Approx. 2.5m/8.2ft

Dimensions



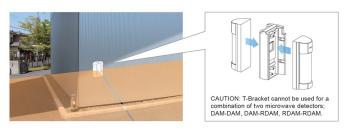
With a back box



Specifications

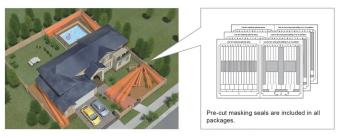
Model	VXI-DAM	
Detection method	Passive infrared & Microwave	
PIR coverage	12.0 m (40 ft) 90° wide / 16 zones	
PIR distance limit	12 - 2.5 m (5 levels)	
Detectable speed	0.3 – 1.5 m/s (1 - 5 ft/s)	
Sensitivity	2.0°C (3.6°F) at 0.6 m/s (2 ft/s)	
Power input	9.5 – 18 V DC	
Current draw	35 mA (max) at 12 V DC	
Alarm period	2.0 ±1 sec.	
Warm-up period	Approx. 60 sec. (LED blinks)	
Alarm output	N.C. / N.O. Selectable 28 V DC 0.1 A (max)	
Trouble output	N.C. 28 V DC 0.1 A (max)	
Tamper output	N.C. 28 V DC 0.1 A (max) open when cover removed.	
LED indicator	Red: Warm-up, alarm,	
	masking detection.	
	Yellow: Warm-up, MW detect.	
RF interference	No alarm 10 V/m	
Operating temperature	-20 - +45°C (-4 - +113°F)	
Environment humidity	95% max.	
International protection	IP55	
Mounting	Wall, Pole (Outdoor, Indoor)	
Mounting height	0.8 - 1.2 m (2.64 ft - 3.94 ft)	
Weight	600 g (21.2 oz.)	
Accessories	Screw (4×20 mm) ×2 , Wiring sponge ×3 , Masking seal ×3	

Flexible Detection Patterns



Optional 180 degree arrangement

To cover a wider field, optional T-Bracket enables two VXI detectors join to form a single detection zone



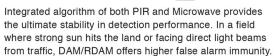
5 pre-cut masking seals for area configurations

Optimal different detection pattern can be configured by a quick application of an assigned masking seal onto the VXI lens

PIR and MICROWAVE DETECTOR with ANTI-MASKING

VXI-DAM (Wired model)

VXI-RDAM (Battery operated model)





EOL Module Socket

Optional EOL(End of line) resistor modules are available

Infinity Housing

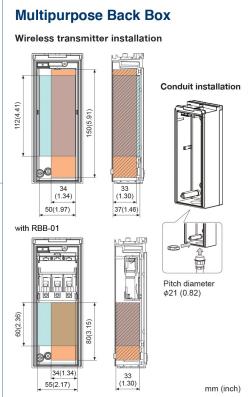
IP55 Protection UV Resistant ASA Body





Anti UV





Tough Mod 2™ (for DAM and RDAM models)

	VX Infinity series	Conventional
Images		
PCB board Material	Ceramic	Glass epoxy
Antenna Material	Gold-plated	Tin-plated

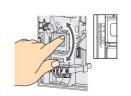
OPTEX Tough Mod™ Technology enables a long-time sustainability of Dual-detection technology. Gold-plated Tough Mod increases durability of a detector to withstand hot and humid climates. Now, Tough Mod 2 extends the capability of Dual-detection to battery operated detectors with energy saving circuits.



Tough Mod.2™

Flexible Detection Area Setting

8 Horizontal Area 5 Levels of Detection Distance Adjustment Positions





Digitally Enhanced Reliability

Digital Double Layer Detection

Both an upper and a lower detection areas must simultaneously be crossed to generate an alarm.

The detections are independently analyzed so that a misleading coincidence of events can be filtered out. This technology virtually eliminates detections of smaller animals in the premises.

SMDA logic (Super Multidimensional Analysis)

All VXI models are equipped with a digitally enhanced signal recognition logic called SMDA. SMDA improves immunity against various noise factors such as climate changes and vegetation sways. VXIs expands applicable fields and reliability beyond what VX-402 was capable.



Alarm when both upper and lower detection area are blocked



No alarm when only the lower detection area is blocked





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