

Wide Angle Outdoor Detector

OPT-QXI-DT-X5

Microwave & PIR Detector (10.525GHz)



Features

- Sleek & compact design
- Anti-blocking
- Selectable mounting height & detection pattern
- Double conductive shielding
- Quad pyro elements & operates with AND logic
- Automatic walk test mode
- Outdoor ready IP54

Detection method	Passive infrared & microwave
PIR Coverage	12.0 m (40') 120° wide
PIR Zones	Multi level : 40 zones / Pet alley : 18 zones
Detectable Speed	0.3 to 2.0 m/s (1' to 6'7"/s)
Sensitivity	2.0° (3.6°F) at 0.6 m/s
Pet Alley	Remove lower area detection to avoid small animals
Power Input	9.5 to 16 VDC
Current Draw	30 mA max. at 12 VDC
Alarm Period	2.0 ± 0.5 sec. (delay timer)
Warm up Period	Approx. 60 sec. (LED blinks)
Alarm Output	N.C/N.O. switchable, 28 VDC 0.1 A max.
Tamper Output	N.C. 28 VDC 0.1 A max. Open when the cover is opened
Operating Temperature	-40° to +60° (-40°F to +140°F)
Environmental Humidity	95% max.
IP Rating	IP54
Mounting	Wall, Ceiling (Outdoor, Indoor)
Mounting Height	Multi level:2.2 to 2.7 m (7' 3" to 8'11") Pet alley:0.8 to 1.2 m (2' 7" to 4')
Weight	195 g
Dimensions	W78mm x D59mm x H144.5mm

Reliable outdoor detection sensor

Super Multidimensional Analysis (SMDA) logic

All QXI models are equipped with a digitally enhanced signal recognition logic called SMDA. It analyses the detection pattern and changes to the environment such as the weather and vegetation sway to filter out noise and the cause of nuisance alarms.

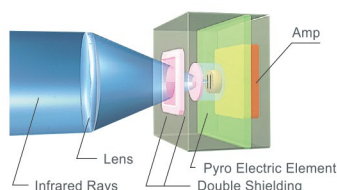


QUAD Technology combined with AND logic

The QXI features two layers of detections (QUAD pyro elements) and operates with AND logic. In high mount applications, this provides a good tolerance to small animals, contributing to reliable outdoor detection.

Double conductive shielding

Another key feature of the QXI series is the Double Conductive Shielding which filters out visible light and RFI disturbance.



Dual-technology models

For more challenging environments, the QXI-DT (wired model) and the QXI-RDT (wireless model), combine PIR and Microwave technologies to confirm the alarm. They feature the OPTEX Tough microwave module, specifically developed to prevent corrosion from condensation and humidity.

Anti-Blocking

The QXI-DT model offers an anti-blocking function in high mount utilising the microwave module to detect attempts to mask the sensor.



Selectable mounting height and detection pattern

When mounted between 2.2 and 2.7m the sensor creates a multi-level volumetric detection pattern, allowing it to ignore small animals. In environments with larger animals, the sensor can be mounted between 0.8 and 1.2m height, to provide a pet alley.

