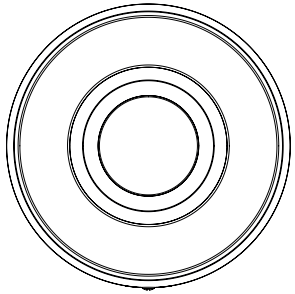
Orisec

DT-360-AM

With Separate Alarm, Tamper & Fault Outputs



Anti-Masking 360 Ceiling Mount Quad PIR + Dual Technology

www.orisec.co.uk

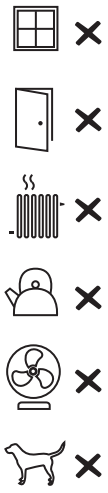
Key Features

- Grade 3 Anti-Masking Ceiling Mount
- Quad PIR + Microwave (24GHz)
- Single N/C, Double or Triple EOL
- 2.4m – 4.0m Mounting Height
- Free-form Fresnel lens†
- Selectable EOL Resistors
- Remote LED Control
- Sealed Optics
- Digital Pulse Count†
- Temperature Compensation
- Advanced Signal Processing†
- RFI Immunity up to 2.7GHz

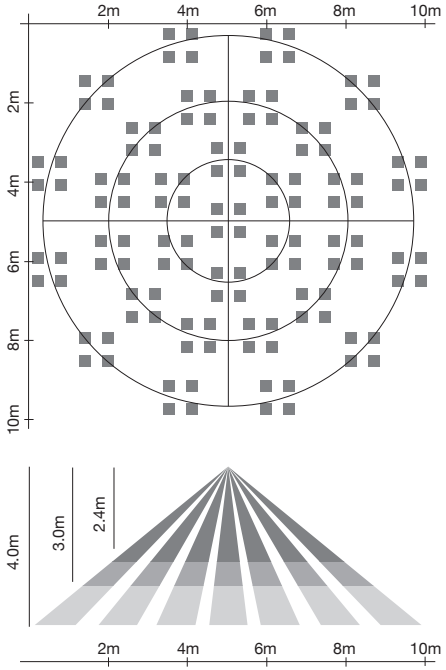
†Patented

1 Location

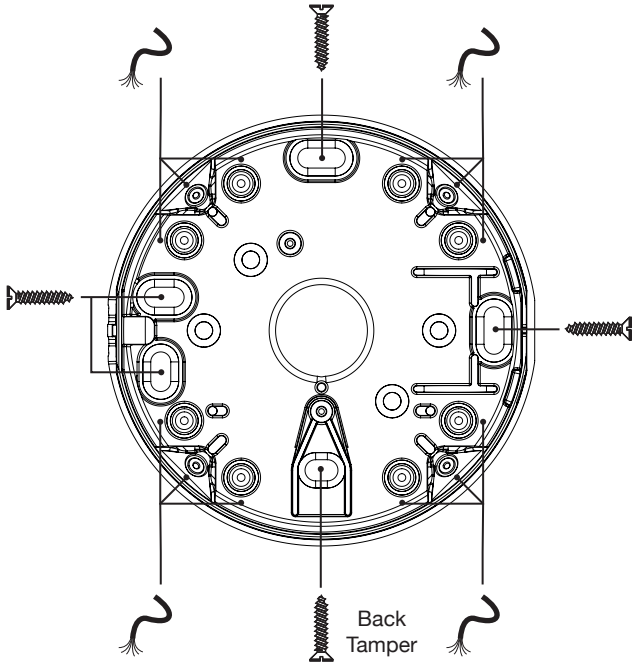
Location Warning



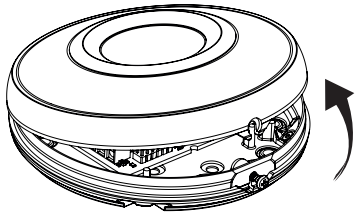
Coverage Pattern

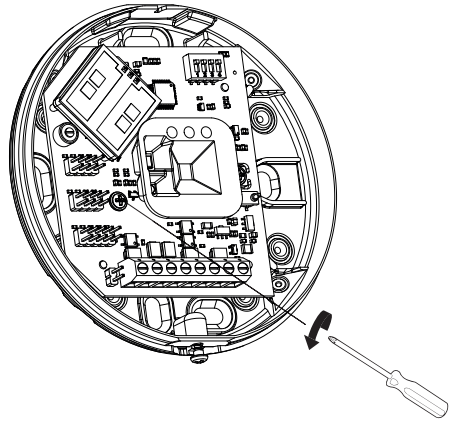


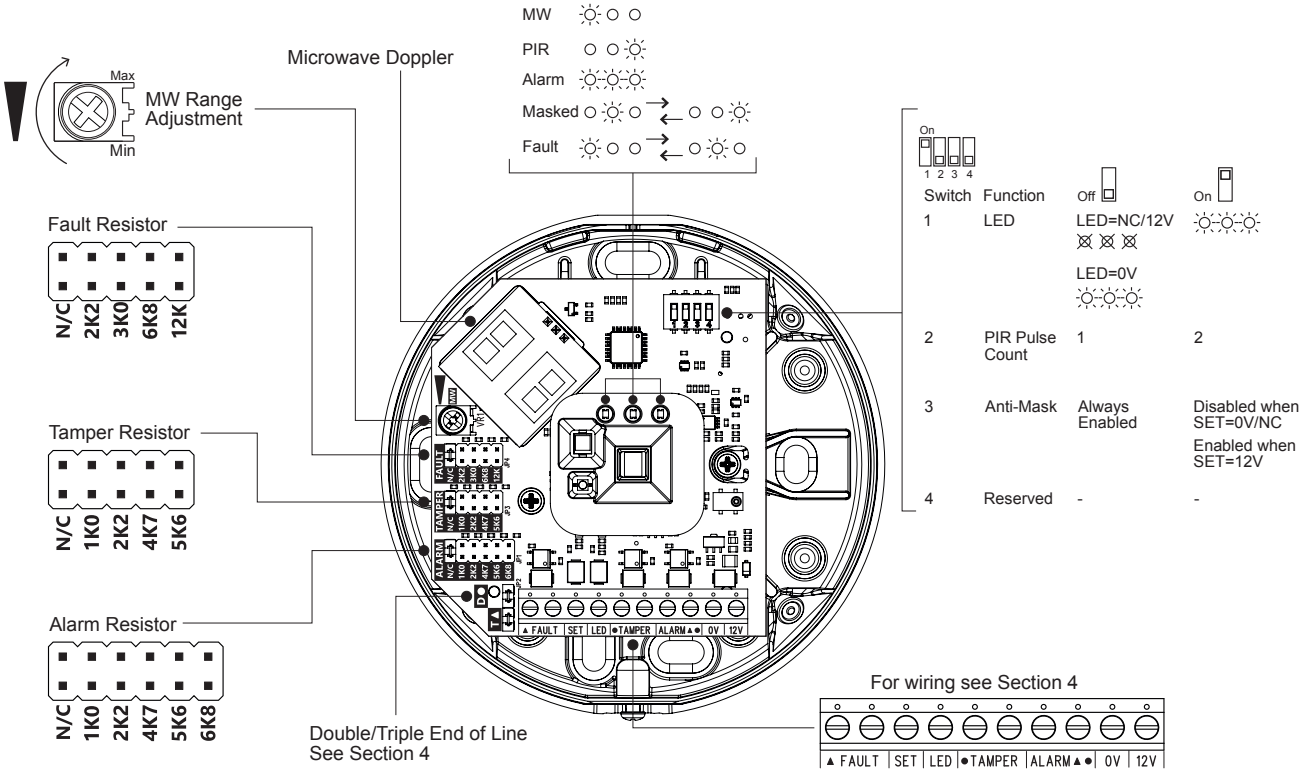
2 Mounting



3 Detector Setup



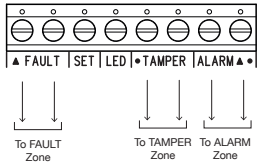


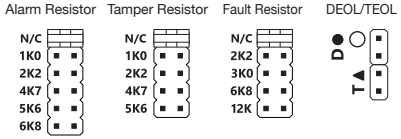


4 Output Options

The output terminals can operate as:
i. Separate N/C Outputs for Alarm, Tamper & Fault
ii. Double (DEOL) plus Fault, or
iii.Triple EOL (TEOL).

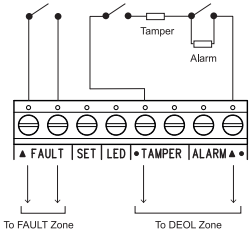
i. Separate N/C Alarm, Tamper & Fault Outputs

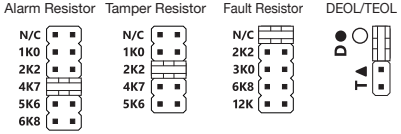




Fit link across the N/C position on the Alarm, Tamper and Fault Resistor. Remove links from DEOLand TEOL.

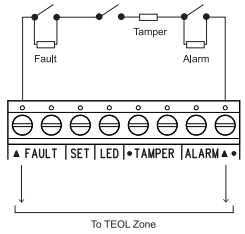
ii. DEOL - Double End of Line plus Fault

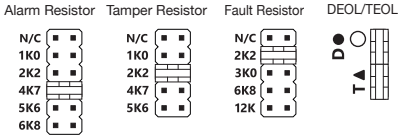




Fit links for the Alarm and Tamper Resistors. Fit link across the N/C position for the Fault Resistor and DEOL (D)

iii. TEOL - Triple End of Line

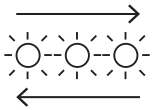




Fit links for the Alarm, Tamper and Fault Resistors.
Fit links for DEOL (D) and TEOL (T).

5 Anti-Masking Calibration

1. When power is applied and the cover screw is fully closed the LEDs flash the version number 4 times then calibration starts and the LEDs flash in sequence.



IMPORTANT Ensure that there are no objects close to the detector during calibration.

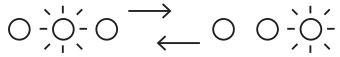
2. After approximately 60 seconds calibration will end and the detector will operate as normal.

To recalibrate a detector, simply open the cover so the tamper is open, then close back up again to close the tamper.

6 Anti-Masking Operation

When an object is in close proximity to the lens so that the PIR is no longer able to detect movement, the detector will generate a Mask condition within 10 seconds.

A Mask condition is indicated by generating Alarm and Fault signals simultaneously. If the LEDs are enabled the middle and right LEDs will flash alternately.

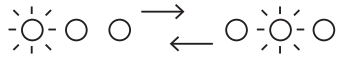


The Mask condition is cleared 10 seconds after the object is removed or when the PIR is triggered.

7 Self-Test

The detector runs a local self-test every 24 hours. If the local self-test fails, the detector will signal a fault. If the local self-test passes the detector will function as normal. During local self-test the detector will be inhibited for 10 s.

A fault will also be signalled if the supply voltage drops below 9V.



Specification

Description	Anti-Masking 360 Ceiling Mount Quad PIR + Dual Technology
Pyro Electric Sensor	Quad Element
Optics	Free-form Fresnel
Detection Areas	124
MW Frequency	24.15 - 24.25 GHz
Mounting Height	2.4m - 4.0m
Supply Voltage	9 - 15VDC (12V nominal)
Quiescent Current	28mA
Alarm (LED enabled)	48mA
Alarm (LED disabled)	25mA
LED Control = 0V	LED Enabled
LED Control = 12V / NC	LED Disabled
Pulse Count	Digital
Start-up Time	60 seconds
Alarm Time	> 2 seconds
Target Speed	0.3m/s - 3.0m/s
Dimensions (whd) mm	108 x 108 x 31
Housing Material	3mm ASA
Operating Temperature	-20°C to +55°C
Storage Temperature	-35°C to 60°C
Maximum Humidity	95% non-condensing
Product Weight	90g
Packed Weight	115g
Maintenance	Annual Installer Check

Warranty

The DT-360-AM is guaranteed against defects in material or faulty workmanship for a period of 10 years from the date of purchase.Disclaimer: Orisec will not accept any liability based on a claim that the DT-360-AM failed to perform correctly as it is a component part of an installation and not a complete intruder alarm system.

Standards and Approvals

Security
PD 6662:2017
EN 50131-2-4:2020 Grade 3, Class II

EMC / False Alarm Immunity

EMC Immunity:	EN 50130-4:2011 +A1:2014
Radiated Immunity:	80MHz to 2.7GHz
Electrostatic Discharge:	+/- 8kV
Conducted Immunity:	0.15MHz to 100MHz
Fast Transient Immunity:	2kV
Conducted & Radiated Emissions:	EN 55032:2015+ A11:2020

Hereby, Orisec Ltd declares that the DT-360-AM conforms to: European Union (EU) Electro-Magnetic Compatibility (EMC) Directive 2014/30/EU and EN 50130-4:2011+A1:2014
EMC Environment: Residential / Commercial / Light Industrial / Industrial

Regulatory

WEEE Directive: 2012/19/EU Compliant: This symbol indicates that the product should not be disposed of as municipal/household waste. Instead, it should be disposed of at the appropriate collection points designated for the recycling of electrical and electronic equipment, or returned to Orisec upon purchase of new replacement products.

RoHS RoHS Directive: 2011/65/EU Compliant: Orisec declares that this product complies with and conforms to RoHS legislation that it does not contain more than the agreed levels of: Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent chromium (Cr6+), Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE)

CE UKCA

CE: You can view the product EC Declaration of Conformity here: orisec.co.uk/compliance

Orisec

Designed and Manufactured in the United Kingdom

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