



## 360° Detection

### Overhead protection

Providing comprehensive aerial protection, the Octopus DQ delivers the perfect security solution for any large area.

This ceiling mount quad infrared detector utilises advanced Pyronix technologies to provide complete peace of mind, by covering everything from aisles in shops to large office spaces.

# OCTOPUSDQ



## Adaptable, optimised & stylish

### • 360° coverage

With 360° detection coverage, the Octopus DQ easily and effectively detects from above, to watch over an entire room. Even if the room layout changes, the security doesn't.

### • Quad Zone PIR

The Octopus DQ's Passive Infrared (PIR) sensor increases the detection capabilities when ceiling mounted, due to the crossing of opposing detection zones that are required to generate an alarm condition.

### • Improved plastics

The brand-new plastics of the Octopus DQ provide a better looking and more discreet detector. Smaller, slimmer and slicker, the new Octopus DQ delivers superior protection with a stylish and unobtrusive finish.

### • Pulse count (1, 2 & 3)

This is an adjustable feature to determine the number of pulses that are required to be triggered before an alarm activation occurs.

## Avoid false alarms with Blue Wave Technology (BWT)

Advanced signal processing and 3D optics safeguard against false alarms and improves immunity to interference:

### • Automatic sensitivity

The sensitivity of the detector automatically adjusts when there are temperature fluctuations to increase or reduce the amount of opposing zones required to be crossed to create an alarm condition. This stabilises the detector in harsh environments.

### • Digital temperature compensation

Digitally adjusts the sensitivity of the detector to maintain its specified range when the background temperature is close to body temperature.

### • Independent Floating Thresholds (IFT)

Eliminates electrical environmental disturbances by ensuring alarm thresholds are always kept within predetermined limits.

## Enhanced installation

The Octopus DQ has been developed to provide a stylish and highly secure solution, with the optimum amount of ease and convenience during installation:

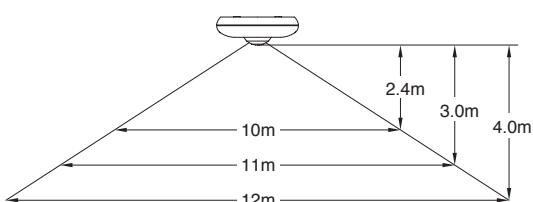
### • Single Screw

The Octopus DQ only requires a single screw to fit the detector to its base. This makes installation simpler and swifter than ever before.

### • Clip in PCB

Enhances the speed and convenience of the installation as you no longer have to screw the PCB down. Instead, the PCB simply clicks into place.

### • Faster & more efficient wiring with EOL resistors



|   |   |
|---|---|
| Partcode                                      | OCTOPUSDQ   |
| <b>Technical features</b>                     |   |
| Automatic sensitivity                         | ✓   |
| Sensitivity options                           | Auto, high and low options                                  |
| Quad element pyroelectric sensor              | ✓   |
| EOL resistor on board                         | ✓   |
| Tamper protection                             | Front and rear  |
| <b>Optical, lens &amp; detection features</b> |   |
| Detection speed                               | 0.3 - 3.0m/s  |
| 360° coverage                                 | ✓   |
| Coverage diameter                             | 12 metres (mounted at 4m)                                   |
| Detection method                              | Low noise quad element pyroelectric sensor                  |
| <b>Mounting</b>                               |   |
| Maximum mounting height                       | 4m  |
| Ceiling mounted                               | ✓   |
| Recommended mounting height                   | 2.4 - 4.0m  |
| <b>Environmental &amp; operating features</b> |   |
| Storage temperature                           | -40°C to +80°C  |
| Certified operating temperature               | -10°C to +40°C  |
| Physical dimensions (H x W x D)               | 94 x 94 x 33mm  |
| Weight  | 62g   |
| <b>Electrical &amp; battery</b>               |   |
| Operating voltage                             | ~9- 16V DC  |
| Alarm current                                 | ~25mA at 12V DC   |
| Quiescent current consumption                 | ~15mA at 12V DC   |
| <b>Certifications &amp; warranty</b>          |   |
| EN certificate                                | EN50131-2-2:2008<br>EN50131-1:2006 + A1:2009<br>PD6662:2010 |
| Environmental class                           | II  |
| Warranty                                      | 5 years   |
| Security Grade                                | 2   |

The Octopus DQ incorporates various EOL tamper and alarm resistor values to cater DEOL wiring for most control panels on the market.

### • Walk test LED

Allows the installer to perform an easy and quick walk-test during the installation process, with the LED indicating the presence of an intruder.