

KX18DC



Perfect veil of protection Delivering the ideal curtain coverage

Looking to protect exhibits in a museum or art gallery, or the space between counters and goods in shops or businesses? The KX18DC's long, narrow coverage pattern provides the perfect security solution!

Complies with EN50131-1

www.pyronix.com



Responsive detection with a Passive Infrared (PIR) sensor

The KX18DC consists of a dual-element pyro-electric PIR sensor, which works by constantly monitoring the infrared energy levels around a room. The detector will recognise any changes caused by the entry of an intruder and inform the panel to go into an alarm condition.

Adaptable, optimised & stylish

- **Vertical curtain coverage**

Ideal for protecting narrow areas in need of detection, such as the space between the public and exhibits in museums or art galleries, or in front of displays in shops and businesses.

- **18m or 30m detection coverage**

Detection coverage up to 18m or 30m long range.

- **ABS plastics**

3mm polished finish produces a professional and sleek finish while reducing electrostatic interference on the PIR sensor.

- **Sealed optics**

Protect the detector from possible insect infestation, shields air movement in front of the pyro-electric sensor and protects against adverse reflections from inside the detector housing.

Avoid false alarms with Blue Wave Technology (BWT)

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

- **Digital temperature compensation**

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

- **Automatic sensitivity**

The detector self-adapts to changing environmental conditions to maintain stability and intruder catch performance.

- **Independent Floating Thresholds (IFT)**

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

- **Optical 3D system**

Improves the detection of moving targets, ensures more precise signals can be received from the PIR and allows protection of the area below the detector (creep zone).

Partcode	KX18DC
Lens characteristics	
PIR	✓
Volumetric lens 85 degree coverage, 60 zones and 7 planes	✗
Pet immunity coverage, 6 planes and 56 zones	✗
Curtain lens, 20 degree coverage, 46 zone, 6 planes	✓
Long range lens, 20 degree coverage, 24 zone, 6 planes	✓
Maximum range	18m / 30m LR
Optimum installation height	Max 4m / 1.8-2.4m
Creep-zone protection	✓

Technical Characteristics

Animal Immunity	✗
Blue Wave Technology	✓
Automatic sensitivity	✓
Digital temperature compensation	✓
Optical quad	✗
EOL resistors on board	✓
Tamper protection included	✓

Certifications & Warranty

Electrical conformity	CE
EN50131	Grade 2
Environmental class	II
	CA12.01174
Warranty	2 years

Beat the burglar with tamper proof brackets

Supplied with both wall and ceiling mount brackets that provide access for up to two 8-core cables (tamper kit optional). They also ensure that maximum security is maintained against accidental or malicious tampering of the system.

Faster & more efficient wiring with selectable EOL resistors

The KX18DC incorporates various EOL tamper and alarm resistor values to cater for DEOL wiring for most control panels on the market.