480
COMMERCIAL TWINTEC

Leading the way in security

The Scantronic 480 Twintec indoor detector combines state of the art Microwave and Passive Infra Red (PIR) technologies in a single unit in order to detect an intruder. These combined technologies are used where the environment of the installation to be protected is very turbulent.

The 480 detector is suitable for your office, your shop or any commercial or industrial buildings. Designed to fit perfectly with any décor, the 480 is stylish and compact, extremely robust and very discreet.

The Scantronic 480 uses the latest technology and represents the future in signal processing and optical lens technology to lead the industry in detection accuracy, false alarm immunity and ultimate reliability. The 480 detector uses modern techniques which eliminate the many types of interference that affect reliability of traditional detectors to guarantee superior long term performance and dramatically reduce false alarms.

The Scantronic 480 has a coverage pattern of 12 metres by 90° that can be adjusted to suit your installation requirements, with temperature compensation and an advanced white light filter built in to minimise false alarms. In addition the 480 has automatic blocking detection to ensure that the detector has a clear detection path at all times.

Fully sealed optics provide full protection against draught, dust and insect ingress, offering a high level of environmental immunity and reducing the burden from repeated false alarms. Scantronic have designed the 480 to meet the most professional alarm installation standards and yet have made the products easy to install saving installation time.

The 480 offers exceptional value for money with many features incorporated to give a high level of security benefit and total peace of mind.

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TECHNICAL SPECIFICATION

Type	Residential or commercial Twintec indoor movement detector combining PIR and microwave
Coverage	Protects a 12 metre range over 90 degrees with range adjustments on the microwave
Signal Processing	Digital signal processing offering double protection by combining the detection of body movement and heat to provide optimum capture performance in discriminating between actual and false alarms
Sensor Element	Dual element pyroelectric sensor & microstrip DRO stabilized type, frequency 2.45 GHz
Detection Zones	36 detection zones on 2 planes
Adjustment	2 position vertical adjustment scale; FAR and NEAR
White Light Filter	White light protection as part of the main lens to minimise false alarms caused by intense white light e.g. car headlamps and sunlight
Lens	Cylindrical plus Fresnel
Sealed Optics	Fully sealed optics to provide full protection against draught, dust and insect ingress
RF Immunity	Careful circuit design and use of surface mount components gives high levels of immunity from radio interference. Greater than 30 V/m
Temperature Compensation	Adjusts the sensitivity as temperature changes
Microwave Supervision	Self test motion simulation. Trouble indication and output
Alarm Indication	Red LED lights for 1.3 to 5 seconds if both detectors trip
Alarm Output	Reed relay, normally closed. Max 100mA/30 VDC - 18 Ω internal resistance
Event Counter	Selectable, 1 or 2 motion events
Tamper Contacts	Normally closed, 50mA/30 VDC
Masking Detection Delay	About 60 seconds
Masking Indication	LED alternately flashes green and red and TRB output pulls LOW until the detector is reset
Mounting	Height up to 3.6 m. Corner mounted or wall mounted
Local & Remote Walk Test	Test input to enable/disable the walk test LED remotely
Automatic Testing	On power up
Current Consumption	28mA @ 12VDC
Voltage Range	9 to 16 VDC
Operating Temperature	- 10ºC to 50ºC
Dimensions (H x W x D)	117 x 65 x 47mm
Weight	109g
Warranty	6 years

Scantronic is a leading brand of Cooper Security Ltd, part of Cooper Industries, employing over 28,000 people in 100 manufacturing sites around the world.

Scantronic manufactures security equipment for all types of commercial and domestic premises. The range is comprehensive, offering every type of solution from multizone hard-wired and wirefree systems, to digital and voice communicators, to detectors and social alarms. Installers trust us to deliver cost effective products with the highest quality of field and support services to ensure you receive the best and most reliable systems to secure you and your premises.

Dealer Details

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