

# SCANTRONIC

## NEW TECHNOLOGY MOVEMENT DETECTORS

A digital quad technology sensor with excellent reliability and performance along with high resistance to faults and tampering.

### SCANTRONIC 300 SERIES

15M X BAND

MICROWAVE + QUAD ELEMENT PIR  
WITH MASK ADVISOR



A superb dual technology sensor with excellent reliability and performance along with high resistance to faults and tampering.

### SCANTRONIC 200 SERIES

12M QUAD ELEMENT PIR



A digital quad technology sensor with excellent reliability and performance along with high resistance to faults and tampering.

**A new range of professional movement detectors from Scantronic.**

**Advanced digital circuitry provides the ultimate in detector performance and the highest immunity from environmental factors.**

Unique digital signal processing, including Scantronic's SERA (Spurious Event Rejection Algorithm) and X-Engine digital detection optimising software on the 300 Series Dual Technology range, increase detection sensitivity whilst eliminating interference from repeating sources such as fluorescent lighting. Designed with Cooper Security's modern manufacturing systems and quality in mind, the range offers new levels of reliability and outstanding performance. Thoroughly tested in some of the world's harshest environments, you can rely on Scantronic to perform day in and day out, no matter where you fit them.



# SCANTRONIC

## NEW TECHNOLOGY MOVEMENT DETECTORS



### WHAT'S DIFFERENT ABOUT SCANTRONIC'S NEW DETECTORS?

The 200 series PIRs are all suitable for use in systems designed to conform to PD6662:2004 Grade 2, as is the 280 EN dual detector.

The 340EN detector is suitable for use in systems designed to conform to PD6662:2004 Grade 3.

When choosing detectors, installers need to know that the unit will perform reliably no matter what the environment might be or how it might be affected by changing environmental conditions. Too often they have to compromise between good detection performance and the need to reduce sensitivity to cope with these environmental problems.

For almost 20 years, Scantronic's designers have been involved in creating some of the best known detector technology advances in the security industry, and now they have brought this knowledge together to create the 200 range of PIR sensors and the 340 dual technology detector. The range sees the launch of new technological advances that improve detection performance and reliability even further. All Scantronic products have in common a number of unique features designed to provide the highest standard of immunity from false alarms whilst maintaining detection sensitivity even at high ambient temperatures. Even the smallest detector in the range includes many of these so no longer does lower-cost mean less featured. These include :-

**Quad PIR** - All units feature quad PIR sensors.

**Pet tolerance** - All detectors are pet-tolerant to 15Kg, some models offer tolerance up to 25Kg.

**A new lens material** - A closely guarded trade secret, the material used has higher infrared transmission properties than any currently used in the industry world wide. A higher level of transmission means that less signal amplification is required and thus the unit is less susceptible to RF interference.

**A new IR pyro-sensor** - The core component of PIR technology, this is a new high performance component with special characteristics requiring innovative digital circuit design and software.

**Digital Circuitry** - Most units incorporate microprocessor-controlled digital circuitry with software controls to screen out false alarm conditions. This is far more sensitive than analogue circuitry, and is achieved by using Scantronic's unique SERA technology.

**Eliminating Magnetic interference** - By using solid-state relays, the units are not vulnerable to magnetic interference, whereas most competing products can be compromised by proximity to a strong magnetic field.

**Reducing lightning & electrical problems** - All detectors feature Transient Voltage Protection to greater than 4.4KV ensuring reliable operation in harsh environments.

**Better microwave performance** - Scantronic dual technology units only use Planar X-band DRO microwave technology which is far more reliable than traditional cavity and diode-based designs. The Microwave section of the 340 detector has its own dedicated microprocessor running XEngine software. XEngine continually monitors the microwave for failure and runs a multiplicity of detection algorithms. The software also processes the signal so that the microwave matches the PIR coverage pattern and allows the microwave to be as sensitive walking across the detector as towards and away, thus matching the PIR's response. This increases sensitivity and eliminates responses due to repeating interferences such as those from fluorescent lights, thereby removing the need for additional filtering circuitry that degrades the performance of many competitors' products.

**Anti-Mask** - For maximum PD6662:2004 the grade 3 340EN detector features spray anti-mask circuitry with unique Mask Advisor software to detect a variety of masking attempts.

**Brackets** - No need to stock two brackets, Scantronic's Combo-Bracket is suitable for both wall and ceiling mounting.

Model No.	Type	Specification	PD6662:2004	Pet Tolerance	Anti-Mask
210 EN	PIR	Quad 12m	Grade 2	15Kg	No
220 EN	PIR	Quad 15m	Grade 2	15Kg	No
240 EN	PIR	Quad 15m	Grade 2	25Kg	No
280 EN	Dual-tech	15m x 88°	Grade 2	15Kg	No
340 EN	Dual-tech	15m x 88°	Grade 3	15kg	YES

Scantronic, Security House, Vantage Point Business Village, Mitcheldean, Gloucestershire GL17 0SZ UK  
[www.coopersecurity.co.uk](http://www.coopersecurity.co.uk)



11658155

another product from: