



EV 600 Series

Passive Infrared Detectors

Features:

- Integral coverage up to 60 metres
- Unique "4D" signal processing including Oversampling for elimination of false alarms
- Precision mirror optics/step focus/gliding focus curtain
- Temperature compensation
- Calibrated sensitivity
- Remote control of walk test
- Test facility
- Various European approvals pending
- EN50131 Grade 2

The EV 600Series is a range of microprocessorcontrolled PIR detectors which combine significant innovations in signal processing, optical and electronic design. This combination makes the detector extremely reliable. Its dynamic range enables the detector to be installed in almost all classes and types of applications. The EV 630 takes PIR technology to a new advanced level, which combines the highest level of security with the highest level of false alarm resistance.

Aritech EV635

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Integral coverage up to 60 metres

Through Aritech innovations in the field of mirror design, one detector can cover applications requiring detection from 5 to 60 metres. This includes wide angle, long range and curtain patterns. By using simple snap-on masks, twelve different patterns can be selected.

Unique "4D" signal processing

"4D" processing allows the detector to precisely identify the characteristic patterns of signals coming from genuine human movements. Several stages and criteria of signal processing are applied to ensure that only genuine signals are accepted by the detector. This signal processing technique offers extremely reliable performance and excellent immunity from false alarms caused by eg. static heat sources, air turbulence from air conditioning, visible light or rapid changes in background temperature. Oversampling allows the recognition of slow build-up of "noise" (eg. environmental temperature instability, turbulence, vibration) and its suppression before it can make the detector unstable. "Spikes" and shocks are handled in a similar way.

Different settings of the "4D" processing are provided for wide angle, curtain/long range and high security applications.

Precision mirror optics

The EV 630 Series uses precision mirror optics which provide superior signal to noise ratio. The use of a mirror also makes possible the system of step focus optics, which ensures uniform sensitivity throughout the detection area.

Gliding focus curtain

A gliding focus curtain is formed by a mirror, which is constructed with an infinite amount of focal lengths and which glides its focal length throughout its entire pattern. This ensures equal and optimum sensitivity and extreme high stability throughout its range.

Temperature compensation

Automatic and dynamic sensitivity adjustment provides stability and reliable detection at all environmental temperatures between -18°C and +50°C.

Calibrated sensitivity

The sensitivity of each EV 630 Series detectors is calibrated according to extremely tight tolerances in order to ensure that all detectors offer the same consistent performance.

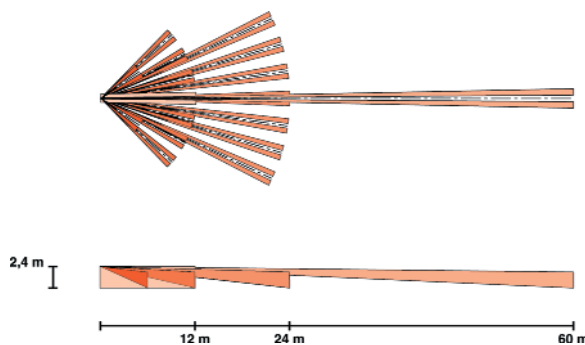
Technical Information

Supply Voltage	8-15 Vdc Max ripple 2V peak to peak at 12Vdc
Current Consumption:	
Normal Operation	12mA In alarm, LED on 25mA max
Outputs:	
Alarm	NC contact rated 100mA at 28Vdc
Tamper	NC contact rated 100mA at 28 Vdc
Mounting Height	1.8 to 3.0m
Coverage	12 Selectable patterns using snap-on masks
Steering Detectors	2 °
Ambient Conditions	-18 ° to +55 °C, Max 90% relative humidity
Dimensions	160 x 105 x 75mm
EN50131	Grade 2

Product Codes

616.013.017	Aritech EV635 60m Curtain or 25m Wide Angle PIR with "Autofocus" Range Control
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Coverage Pattern



For further information on how ADT can help you, contact your local office or phone free on **0800 010 999** or visit us at www.adt.co.uk

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