



EV 669/666

Ceiling Mounted Passive Infrared Detectors

Features:

- 360° coverage
- 20 m range (diameter)
- 2 x pyros; 2 x mirrors;
2 x ASICs; 2 x performance
- 18 unique gliding focus curtains
- Precision mirror optics
- Latest generation "4D" signal processing providing increased environmental stability with enhanced detection capability
- Electronic coverage pattern selection
- Alarm memory as standard
- Selectable control logic for alarm memory and walk test LED
- Full undercrawl detection

18 complete curtains of detection

The EV 669/666's 18 curtains offer maximum detection capability throughout the protected area including full undercrawl detection. Note that with the Aritech curtains, wherever an intruder intercepts a curtain, he is 100% seen by the detector and exactly fits the curtain width, thus collecting maximum infrared energy.

Only with Aritech's Gliding Focus Mirror optics can the definition of the parallel curtains be achieved over the entire detection range. The special characteristics of a "curtain" provide not only better detection but also increased stability and rejection of false alarms from temperature changes on floors and carpets.

2 x Pyros, 2 x ASICs, 2 x Mirrors

In order to ensure the highest performance, the EV 669/666 incorporates 2 x pyros, 2 x ASICs, 2 x mirrors and 2 x the decision power providing the installer/user with 2 x the performance. The use of 2 separate pyros, mirrors and ASICs ensure that the detectors have an excellent signal to noise ratio. This means that you have better detection capability when you want it and better false alarm immunity when you need it.

Latest generation "4D" signal processing

"4D" signal processing builds on the past success of the "3D" processing. By expanding on the environmental filtering and extending the detection algorithms, this latest generation processing further improves on the capability to determine between valid intruders and false alarm signals. Always recognising the diverse applications that have to be protected, the EV 669/666 features both "4D" processing or Bi-curtain processing for the harsher environments.

Designed specifically for use with the Gliding Focus Optics, the combination of mirror optics and ASIC technology provides you with complete peace of mind.

Detection coverage flexibility

The EV 669/666 provides considerable flexibility by the simple electronic field programming of either 180° or 360° coverage patterns. Further customisation, to allow for false alarm hazards such as heaters, machinery, etc., can be achieved through individual curtain masking enabling the installer to configure the detector to suit the application.

SPECIFICATIONS

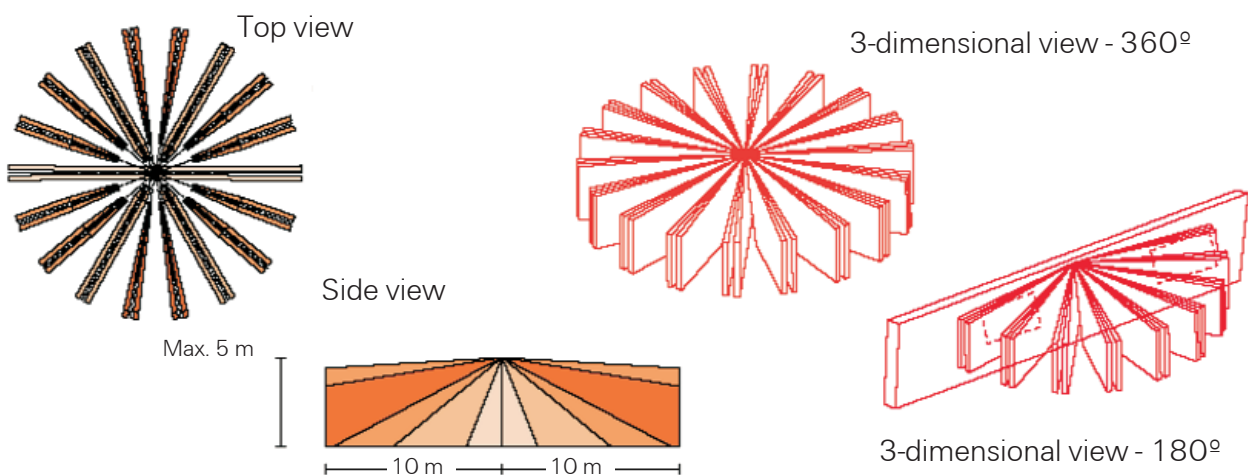
Technical data

Supply voltage	8 - 15 V dc;Max. ripple 2 V peak to peak at 12 V dc
Current consumption	
Normal operation	6 mA (EV 669) / 10 mA (EV 666)
In alarm, LED on	11 mA max.
Outputs	
Alarm	NC (EV 669) or changeover (EV 666); 100 mA at 28 V dc. Voltage free relay
Tamper	100 mA at 28 V dc
Mounting height	2.5 to 5.0 metres
Coverage	10 m radius
Environmental limits	-18° to +55° C;Max 93 % relative humidity
IP-rating	IP 301
Dimensions	Ø 138 x 66 mm

Ordering Information

R100314	EV666	Ceiling Mounted PIR detector, 10m, CO relay
816.013.053	EV669-DB	Ceiling Mounted PIR detector, 10m, NC relay, extra deep mounting base - Skafor approval
R100572	EV669-F	Ceiling Mounted PIR, 10m, NC relay - French approval

Detection patterns



For further information on how we can help you please visit our website at www.tycofis.com or e-mail us on tycofis@tycoint.com. The right is reserved to modify or withdraw any product or service without notice. PSI123TFIS Issue 1 November 2006 © 2006

tyco

*Fire & Integrated
Solutions*

a vital part of your world