



EV100-MSIR

10m volumetric PIR motion sensor with B/W Camera with infrared illumination

Features

- Passive Infra Red motion sensor with B/W camera
- Night vision
- Step & Gliding Focus Multi Cutain" mirror optic
- Plug-in electronics
- Sealed optics
- ASIC with "4D" processing
- Complies with EN50131-2-2

EV100-MSIR is a passive infra red (PIR) motion sensor combined with a mid-resolution black and white CMOS camera and night vision.

The video output is a twisted pair UTP and can be used with VVMIQ module. The built-in intelligence in VVMIQ module make this motion sensor a verified PIR with video signals.

For stand alone applications, the EV100-MSIR supports transmission of video signals over unshielded twisted pair or coax cables using the one of the standard GE's baluns.

The EV100-MSIR is an ideal add-on camera for security installations, feeding to CCTV monitors, transmitters and DVMRs. Camera's are the most efficient method for verifying alarm.

SPECIFICATIONS

Camera

The camera field of view and contrast has been set to ensure the best picture quality. Consequently no setting or adjusting is required. To monitor the camera independently from the PIR there is a terminal available for the camera power supply. EV100-MSIR provides UTP output, suitable for CAT 5 cable or equivalent. In applications up to 50m a normal security cable will provide good results. To obtain coax output a twisted-pair balun can be used.

PIR

Benefitting from the success of the EV100 series, the EV100-MSIR also features solid curtains of detection. Full undercrawl protection gives maximum security while the special characteristics of a "curtain" ensures not only better intruder detection but also better PIR stability from the environment. PIR uses the 4D signal processing which allows the PIR processing to intelligently analyse a signal pattern and distinguish between real human movement and false alarm hazards. The PIR processing is resistant to false alarms by analysing the size, shape and speed of successive signals.

IR illumination

The EV100-MSIR is the EV100-MS module with 16 IR LEDs which enables night vision. To reduce current consumption, here is a light sensor that avoids any IR activation during daylight. When the camera power (12 VDC) is applied and the environmental light conditions are "Low", the IR illumination is switched on for 60 seconds after each PIR alarm. Additional input provide the capability to switch on the IR illumination if the environmental light conditions are "Low", regardless of the PIR status

Specifications

Detection range	10 m
Undercrawl protection	Yes
Detection range selection	10 m or 6 m
Coverage field of view	86° with 7 curtains
Mounting height	2.1 m to 2.4 m
Power supply	9 to 15 VDC
Current consumption (nom.)	58 mA (incl. Camera) 140 mA (IR LED's)
Alarm relay (voltage free)	NC when energised
Tamper relay (voltage free)	NC when cover closed
Remote control lines	Camera on/off
Dimensions (W x H x D)	61 x 123 x 58 mm
Ambient conditions	-10 to +55 °C, 95% relative humidity
EN50131-2-2	Grade 2
Min. illumination	0.2 lux at F1.2
Number of effective pixels	628 X 582 (PAL)
Video output	UTP

Ordering Information

816.013.069	EV100-MSIR Passive Infrared detector with integrated B/W camera and IR illumination
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