Honeywell

IS3016A

PIR Motion Sensor with Anti-Mask

CPNI
Centre for the Protection of National Infrastructure



Designed for mid to high-end commercial environments where Grade 3 systems may be required, the new Honeywell anti-mask IS3016A motion sensor delivers reliable protection and improved false alarm immunity through patented solutions.
The IS3016A sensor integrates a total of four patented solutions improving reliability and is quick and easy to install.

In addition to this, the installer benefits from the design of the sensor which allows easy access to the connectors with quick plug-in feature.
Furthermore the IS3016A motion sensor offers integrated EOL resistors and an enhanced walk test saving time on installation.

Features:

- **Plug-in electronics**
  Designed for easy installation with an automatic plug-in connector
- **Integrated End-of-Line (EOL) resistors**
  EOL resistors for alarm as well as tamper loop and anti-mask are already incorporated, saving installation time and reducing service calls
- **Flash light Walk Test**
  Reduces installation time as the walk test can be enabled by simply pointing a flash light at the sensor
- **Mirror optics**
  With mirror optics, this motion sensor uses the most reliable technology offering the best detection/false alarm ratio
- **Highest security approval**
  High quality performance sensor which meets the requirements of high risk environments (EN Grade 3, NF&A2P, CPNI approval for UK Government Use)
- **Infrared anti-mask technology**
  Quickly detects intentional and accidental masks or blocks. The sensor sends a trouble signal whenever it encounters mask conditions. This siginificantly reduces the chance of any sensor security breaches
- **Extensive detection coverage**
  Extremely dense, wide and long detection range compared to similar products on the market providing superior coverage
- **Professional design**
  The IS3016A is designed for high level security installations with a unique professional look distinguishing it from low value sensors
- **Patented PIR signal analysis solution**
  The sensor looks for a wide time frame and integrates the signal received prior to any alarm triggering decision
- **Patented look down solution**
  The installer can change the settings with ease by simply switching the look down enabler on and off, offering a more efficient and reliable solution
- **Patented vibration solution**
  Built-in shock feature. In the event of vibration, this component overrides the PIR signal
- **Patented mounting solution**
  To fix the sensor to the wall, the installer simply inserts the screw in the pre-defined location where it will be automatically held in place making installation quicker and easier

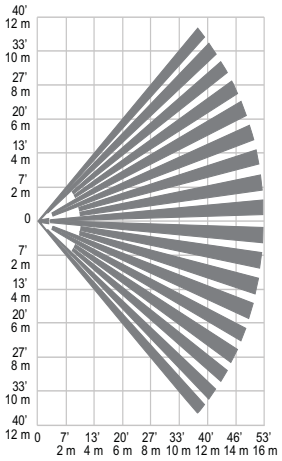
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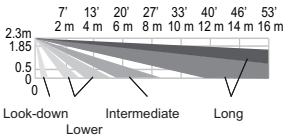
Specifications:	IS3016A
Type of detection	PIR (mirror)
Range	16 x 22 m
EOL resistors	Alarm & tamper : 1K, 2.2K, 4.7K & 5.6K ; default = 1K Anti-Mask: 2.2K, 3K; default = 3K
Detection zones	36 long range, 10 intermediate, 12 lower, 2 look down
Walk test	20 s
RFI Immunity	15 V/m, 80 MHz – 2.7 GHz
Mounting height	2.3m optimal
Power requirements	9 – 15V dc
Consumption	7 mA typical, 11mA max. (@ambient temp.)
Alarm relay	Form A / 30 mA@25 Vdc, max. 22 Ohm / Duration: 3 s
Anti-Mask relay	Form B / 30 mA@25 Vdc, max. 22 Ohm
Tamper	Form A / 30 mA@25 Vdc - Cover & Wall
Operating temperature	-10°C to +55°C
Temp. compensation	Advanced dual slope
Relative humidity	5% - 95% non condensing
PIR White Light Immunity	10,000 Lux typical
Dimensions	116 x 70 x 43 mm (HxWxD)
Weight	118 g
Approval Listings	EN50131-2-2 Grade 3 Class II, NF&A2P 3 shields, INCERT, IMQ, SBSC, FG, F&P, NCP, GOST-R, PD6662:2010, CPNI

Detection Patterns:

- **Top View**



- **Side View**



- **Inside View**



Ordering:

IS3016A	Passive Infrared Motion Sensor with Anti-Mask
Accessories:	
SMB10	White swivel mount bracket (5 pack)
SMB10C	White ceiling mount bracket (5 pack)
SMB10T	Tampered white swivel mount bracket (5 pack)

Honeywell reserves the right to alter the specification of products without prior notice.

CPNI®
Centre for the Protection of National Infrastructure

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HSC-IS3016A-09-EN(0615)DS-Z
June 2015
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