Honeywell

IS3016A

PIR Motion Sensor with Anti-Mask

Designed for mid to High-end commercial environments where Grade 3 could be required, the new Honeywell anti-mask IS3016A motion sensor achieves reliable protection with improved false alarm immunity through patented solutions.
The IS3016A sensor integrates four patented solutions in total to improve their reliability but also user friendly installation.

In addition to this, the installer will find helpful the design of the sensor allowing an easy access to the connectors during cabling operation with the quick plug-in feature. Furthermore the IS3016A motion sensor offers integrated EOL resistors and enhanced walk test which will save time on installation.

Features:

- **Plug-in electronics**
  Introducing automatic plug-in connector when opening, the motion sensor has been designed for easy installation
- **On board EOL resistors**
  No need to add external resistors gives peace of mind for installation and avoid wrong connections
- **Mirror optic**
  With mirror optic, this motion sensor includes the most reliable technology which offers the best detection/false alarm ratio
- **IR anti-mask principle**
  Detects any kind of detector masking where others detect the anti-masking attempt. It means that there is no chance for intruder to fool the detector
- **Highest security approval**
  High quality performance sensor which meets the high risk needs (EN grade 3 , NF&A2P or similar)
- **High detection coverage**
  Extremely dense, wide and long detection coverage compare to the similar products of the market
- **Professional aesthetic**
  The IS3016A sensor has been designed for high security level installations with a unique professional aesthetic which distinguish them from low value sensors
- **PIR Signal analyze Patented solution**
  The sensor looks to a wide time frame and integrates the signal received prior to any alarm triggering decision.
- **Look down Patented solution**
  The installer can switch on and off the look down enabler very easily to change the setting. This is much more faster and reliable
- **Vibration Patented solution**
  Built-in shock feature: in case of vibration, this component overrule the PIR signal to reduce false alarms
- **Screwing Patented solution**
  To fix the sensor on the wall, the installer will insert the screw in the pre-defined location where it will be automatically maintained - easy and quick operation
- **Flash light Walk Test**
  Reduces installation time as the walk test can be enabled by simply pointing a flash light to the product

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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	11 mA typical (@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
RF Immunity	30 V/m from 10 MHz to 1000 MHz
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, Insert, IMQ (submitted)

(*) :In EN 50131-2-2 compliant installations, mount the sensor at 2.3m, enable Look-Down and lock the sensor housing with the cover lock.

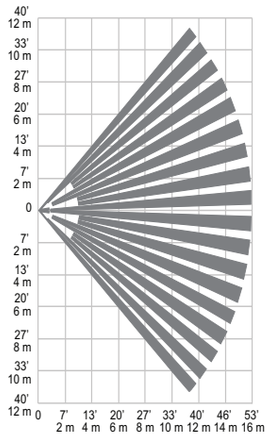
Ordering:

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)

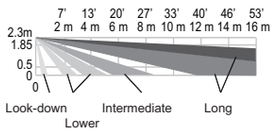
Honeywell reserves the right to alter the specification of products without prior notice.

Detection Patterns:

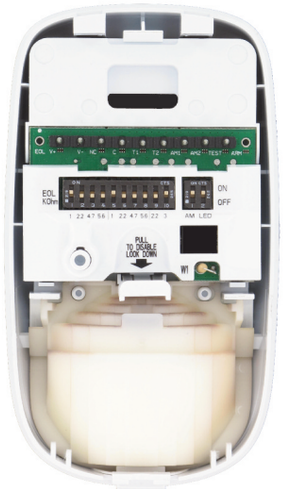
- **Top View**



- **Side View**



- **Inside View**



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