Honeywell



DT8016AF5 / MF5

DUAL TEC® Motion Sensor with / without Anti-Mask

Designed for mid to high-end commercial environments where a Grade 3 system may be required, the new Honeywell DT8016AF5 anti-mask motion sensor delivers reliable protection with improved false alarm immunity through patented solutions. It includes DualCore™ signal processing which is ideal for areas that are difficult to protect with standard products and integrates a total of five patented solutions to improve reliability and installation.

In addition to this, the installer will benefit from the design of the sensor which allows easy access to the connectors with its quick plug-in feature.
Furthermore this motion sensor offers integrated EOL resistors and an enhanced walk test feature saving time on installation.
With the DT8016AF5 / DT8016MF5, optimum performance is achieved using X-Band microwave technology and Uniform Sensitivity Optics.

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 2 or Grade 3)
- **Infrared anti-mask technology (DT8016AF5 version only)**
  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 DT8016AF5 and DT8016MF5 sensors are 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 self test solution**
  The sensor tests the full microwave circuit periodically by sending and receiving a test signal. In the event of an anomaly the sensor triggers the anti-mask/trouble relay
- **Patented vibration solution**
  Built-in shock feature. In the event of vibration, this component overrides the PIR signal and ensures the device stays in Dual mode permanently
- **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

DT8016AF5 - DT8016MF5

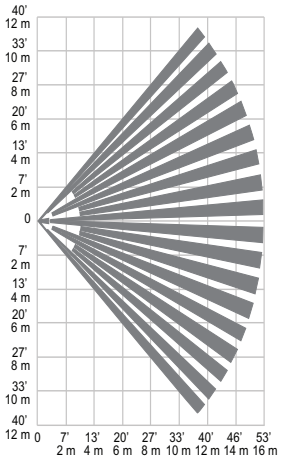
DUAL TEC® Motion Sensor with/without Anti-Mask

Specifications:	
Type of detection	PIR (mirror) + Microwave
Range	16 x 22 m
EOL resistors	Alarm & tamper : 1K, 2.2K, 4.7K & 5.6K ; default = 1K Anti-Mask(*)/trouble : 2.2K, 3K; default = 3K
Detection zones	36 long range, 10 intermediate, 12 lower, 2 look down
Walk test	30 s
Frequency	X-Band : 10.587 GHz
RFI Immunity	15 V/m, 80 MHz – 2.7 GHz
Mounting height	2.3m optimal
Power requirements	9 – 15V dc
Consumption	9mA typical, 14mA max. (@ambiant temperature)
Alarm relay	Form A / 30 mA@25 Vdc, max. 22 Ohm / Duration: 3 s
Anti-Mask(*) / trouble 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	135 g
Approval (DT8016MF5)	EN50131-2-4 Grade 2 Class II, NF&A2P two shields, GOST-R, PD6662:2010
Approval (DT8016AF5)	EN50131-2-4 Grade 3 Class II, NF&A2P three shields, GOST-R, PD6662:2010

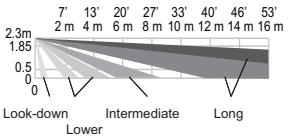
(*) : For DT8016AF5

Detection Patterns:

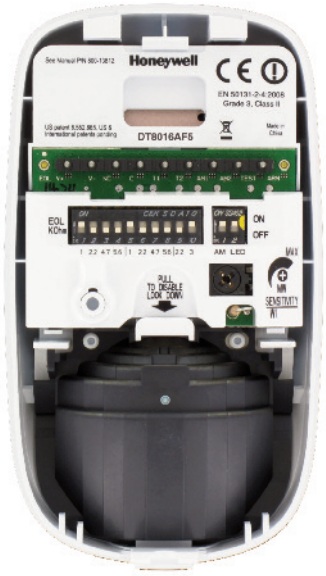
- **Top View**



- **Side View**



- **Inside View**



Ordering:

DT8016MF5	DUAL TEC® Motion Sensor with mirror optics
DT8016AF5	DUAL TEC® Motion Sensor with mirror optics and 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.

Honeywell Security Group
Newhouse Industrial Estate
Motherwell
Lanarkshire
ML1 5SB
United Kingdom
Tel:+44 (0) 1698 738200
www.honeywell.com

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