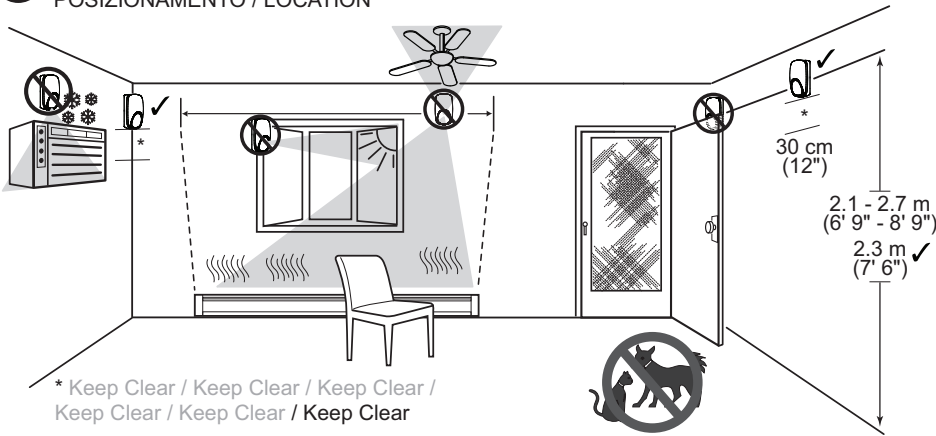
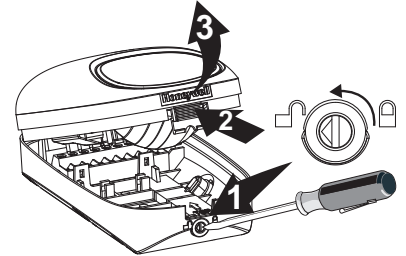


DT8016AF4 DUAL TEC® Motion Sensor with Anti-Mask - Installation Instructions

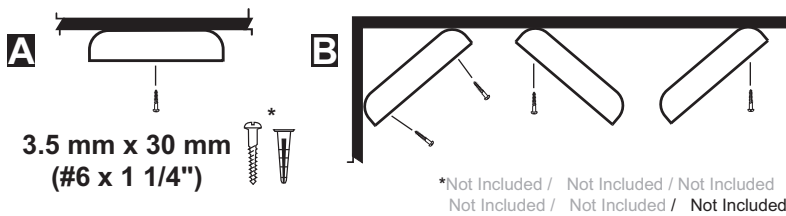
1 EMLACEMENT / LOCALIZACIÓN / MONTAGEORT / LOCATION / POSIZIONAMENTO / LOCATION



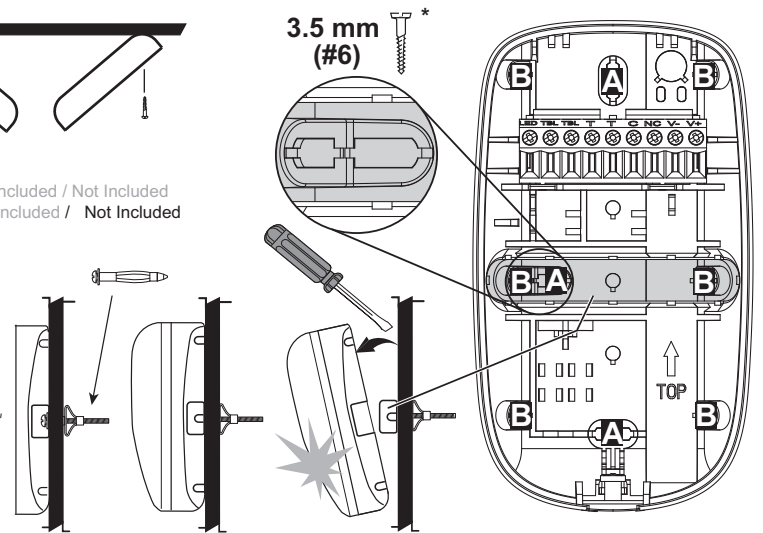
2 UNLOCK, PRESS AND OPEN / UNLOCK, PRESS AND OPEN / UNLOCK, PRESS AND OPEN / UNLOCK, PRESS AND OPEN / UNLOCK, PRESS AND OPEN



3 INSTALLATION / MONTAJE / MONTAGE / MOUNT / MONTAGGIO / MOUNT

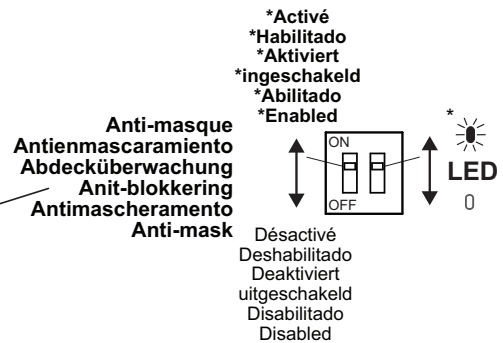
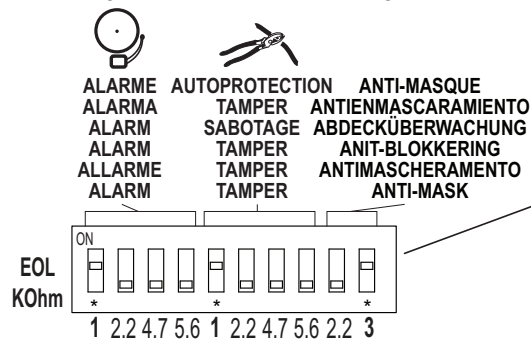


- DOIT être installée sur un montant de cloison, une surface de bois solide ou à l'aide d'un ancrage de gypse robuste.
- DEBE montarse en un travesaño, madera sólida o con un soporte para pared resistente.
- MUST be mounted to a stud, solid wood, or with a robust wall anchor.
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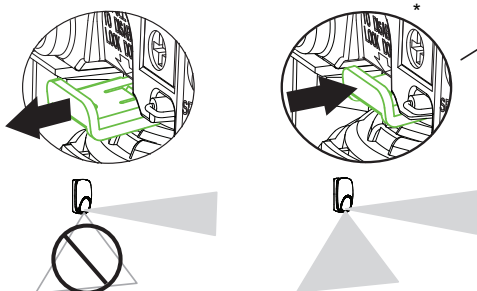
4 COMPOSANTS ET REGLAGES / COMPONENTES Y CONFIGURACIÓN / KOMPONENTEN UND EINSTELLUNGEN / COMPONENTS AND SETTINGS / COMPONENTI E IMPOSTAZIONI / COMPONENTS AND SETTINGS

Réglage des résistances (EOL) / Ajustes de RFL / EOL Einstellungen / EOL Settings / Regolazioni de EOL / EOL Settings



Réglage de la portée hyper
Ajuste del rango de detección
Range Adjustment
Reichweiteneinstellung
Regolazione della portata
Range Adjustment

MAX
MIN
MW
SENSITIVITY



W1

1 boucle
1 bucle
1 loop
1 Zone konfiguriert
1 loop

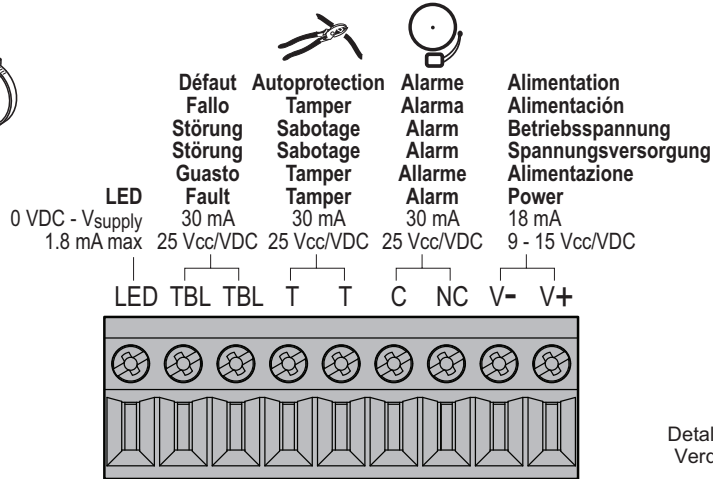
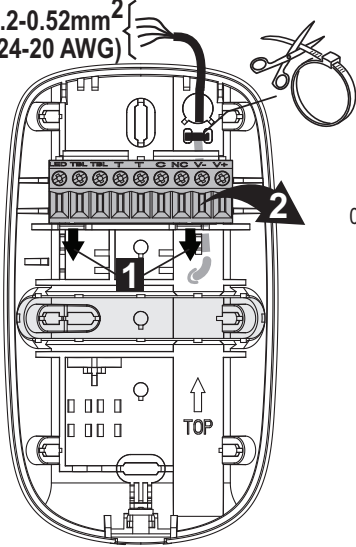
W1

2 boucles
2 bucles
2 loops
2 Zonen konfiguriert
2 loops

* Réglage usine / defecto de fábrica / factory default / Werkseinstellung / difetto della fabbrica / factory default

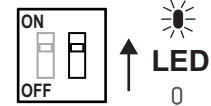
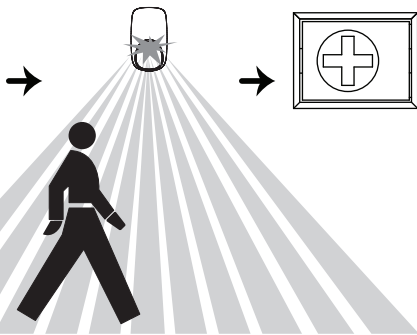
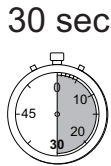
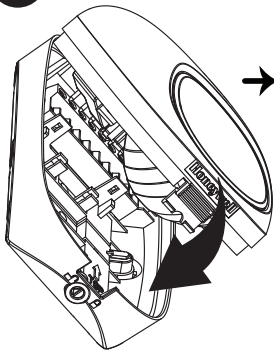
5 CÂBLAGE / CABLEADO / ANSCHLUSS / WIRE / COLLEGAMENTO / WIRE

0.2-0.52mm²
(24-20 AWG)



Détails de câblage page 3
 Detalles del cableado en la página 4
 Verdrahtungs-Details siehe Seite 5
 Wiring Details on Page 6
 Particolari dei collegamenti alla pagina 7
 Wiring Details on Page 8

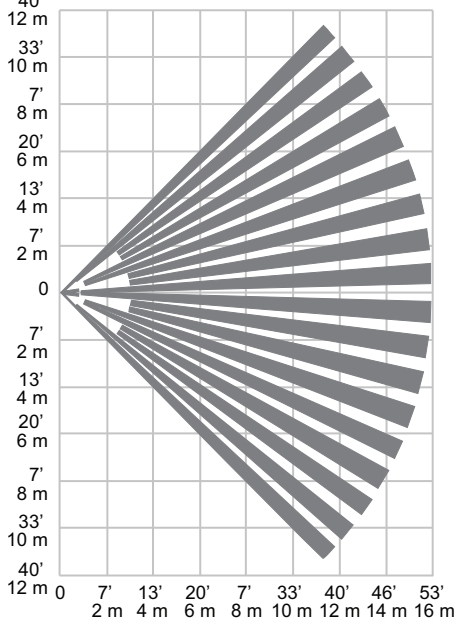
6 TEST DE DÉTECTION / TEST DE PASEO / FUNKTIONSTEST / LOOPTEST / TEST DI COPERTURA / WALK TEST



LED	Power Up	Walk Test	Normal	Fault	Anti-Mask
Red	Slow Blink	ON Alarm	ON Alarm	Fast Blink	OFF
Yellow	OFF	ON Microwave	OFF	OFF	Fast Blink
Green	OFF	ON PIR	OFF	OFF	OFF

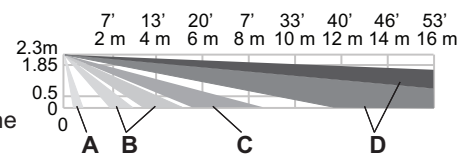
7 COUVERTURE DE DETECTION / PATRON DE DETECCIÓN / ERFASSUNGSBEREICHE / DETECTIEPATRONEN / DIAGRAMMA DI COPERTURA / DETECTION PATTERNS

Vue de dessus
 Vista Desde Arriba
 Draufsicht
 Bovenaanzicht
 Vista in pianta
 Top View



PLAN VIEW
 ALL ZONES

Vue de coté
 Vista Lateral
 Seitenansicht
 Zijaanzicht
 Vista in sezione
 Side View



Zones / Zonas / Erfassungsbereiche /
 Zones / Zones / Zones

A	2 Basses / Ángulo 0 / Draufsichtbereich / Onder Kruip / Antistrisciamento / Look-down
B	12 Courtes / Corto / Nahbereich / Laag / Inferiori / Lower
C	10 Intermédiaires / Intermedias / Mittelbereich / Midden / Intermedie / Intermediate
D	36 Longues / Largo / Fernbereich / Lang / Lunga portata / Long

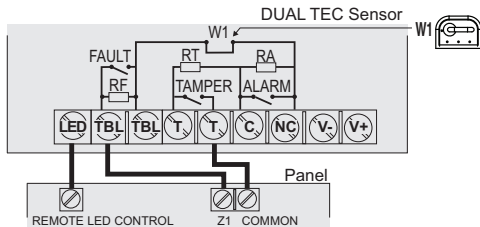
WIRING DETAILS

- Observe proper polarity.
- If not using the integrated EOL resistors, set all switches to off.
- If using the integrated EOL resistors:
 1. Connect the sensor to the panel (see wiring diagrams below).
 2. Set the appropriate tamper, alarm and anti-mask DIP switches to ON (see Step 4 on page 1).

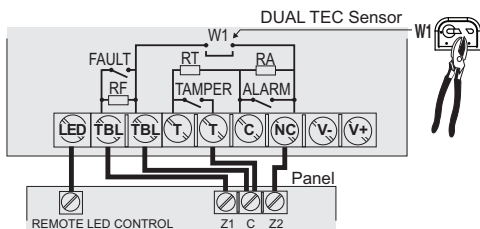
Notes:

- Consult the Control Panel manual to determine proper EOL selection.
- The tamper, alarm and anti-mask EOL settings must each only have one switch ON.
- The EOL values should be set at the same time.

Fault, Alarm and Tamper configured to one loop.



Fault, Alarm and Tamper configured to two loops.



RA = Alarm EOL resistor
RT = Tamper EOL resistor
RF = Anti-Mask EOL resistor
W1 = 1 and 2 loop connection resistor.

WALK TESTING

Refer to Step 6 on page 2.

1. Close the sensor and apply power to the sensor. Initialization is complete when the LED stops flashing slowly (about 30 seconds).
2. Walk through the detection area and observe the LED.
3. Adjust the microwave range as necessary to meet installation requirements.

LED INDICATIONS

LED	Power Up	Walk Test	Normal	Fault	Anti-Mask
Red	Slow Blink	ON Alarm	ON Alarm	Fast Blink	OFF
Yellow	OFF	ON Microwave	OFF	OFF	Fast Blink
Green	OFF	ON PIR	OFF	OFF	OFF

Walk test mode is active for 10 minutes, then automatically exits test mode, disables the LED and enters normal operation mode. For an additional 10 minute walk test, enable Walk Test mode again with the Flashlight feature:

Note: In Walk Test mode the LED is active regardless of the LED Enable/Disable Dip switch setting.

Flashlight Feature:

1. Use a flashlight with a bright light beam, and stand within 4' (1.2 m) of the sensor.
2. Swing past the light beam across the sensor IR window 3-5 times, holding the beam on the window for 0.5 second each pass.



The flashlight feature is only available for the first 24 hours after installation.

REMOTE LED ENABLE (LED INPUT)

The LED input terminal allows the LED to be remotely enabled. To use this feature, the LED DIP switch (switch 2) must be OFF, allowing the LED to operate based on the voltage level connected to the LED Input (see Wiring Details).



Switch 2	LED Input	LED Operation
OFF	High (+12 V)	Enabled
OFF	Low (0 V)	Disabled
ON	Low (0 V) or High (+12 V)	Enabled

RELAY OPERATION

	SENSOR STATUS			
	Normal	Intrusion	Fault ¹	Mask ²
Alarm Relay	Closed	Open	Closed	Open
Fault Relay³	Closed	Closed	Open	Open

¹ For information on Fault conditions, see the Troubleshooting section.

² In a Mask condition, the Alarm and Fault relays will activate simultaneously, and remain open until the condition has been cleared.

³ In a Fault condition, the Fault relay will latch open until the Fault condition has been cleared.

MASK CONDITION

Normal Anti-Mask Condition

The sensor signals a mask condition when a variety of materials and reflective objects are placed within 50mm in front of the sensor. To avoid false mask alarms, follow the mounting guidelines shown in Step 1.

Clearing an Anti-Mask Condition

When most masking materials or objects are removed, the anti-mask condition will be cleared after several seconds. When the cause of the anti-mask condition is any type of spray or paint coating applied to the IR window, the window must be replaced before the anti-mask condition can be cleared. After replacing the window, perform a walk-test on the sensor.

TROUBLESHOOTING

	NORMAL	MASK	FAULT*	
			Low Voltage ¹	Fault ²
Alarm Relay	Closed	Open	Closed	Closed
Fault Relay	Closed	Open	Open	Open
Red LED	Off	Off	Off	Flashing

*FAULT CONDITIONS:

¹ Low Voltage: The sensor is disabled.

² Three possible conditions:

- Microwave supervision failure: The sensor is operating in PIR mode only.
- PIR self-test failure: The sensor is disabled.
- Temperature compensation failure: The temperature compensation is disabled.

Depending on the Fault condition, take the following corrective actions:

- Verify the power supply is sufficient.
- Cycle power to the sensor.
- Walk test the sensor.
- Verify the sensor is not blocked or masked.

If the Fault condition does not clear, replace the sensor.

Approval Listings:

IMQ

T014

C-Tick

EN50131-2-4, Security Grade 3, Environmental Class II.

Suitable for connection to an EN 60950 Class II Limited Power Source.

Note: In EN 50131-2-4 compliant installations, mount the sensor at 2.3m, enable Look-Down and lock the sensor housing with the cover lock.

CARACTERISTIQUES	ESPECIFICACIONES	TECHNISCHE DATEN	SPECIFICATIES	SPECIFICHE TECNICHE	SPECIFICATIONS
Portée : 16 m x 22 m	Alcance: 16 m x 22 m	Erfassungsbereich: 16 m x 22 m	Bereik: 16 m x 22 m	Portata: 16 m x 22 m	Range: 16 m x 22 m
Alimentation : 9.0 - 15 Vcc; 15 mA typique, 18 mA maximum, 12 Vcc; Ondulation résiduelle max. 3 V crête à crête sous 12 Vcc	Alimentación: 9.0 - 15.0 VCC; 15 mA típico; 18 mA máximo, 12 VCC; Rizado CA: 3 V pico a pico a 12 VCC nominal	Energieversorgung: 9.0 - 15.0 VDC; 15 mA (typ.); max. 18 mA; AC-Welligkeit: 3 V Spitze-Spitze bei einer Nennspannung von 12 V DC	Voeding: 9.0 - 15.0 VDC ; 15 mA nominaal bij 12 VDC, 18 mA max; AC Rimpel: 3 V piek-piek bij nominaal 12 VDC	Alimentazione: 9.0 - 15.0 VDC; 15 mA tipico; 18 mA massimo, 12 V —; Ripple AC: 3 V picco-picco a 12 nominali	Power: 9.0 - 15 VDC; 15 mA typical, 18 mA maximum, 12 VDC; AC Ripple: 3 V peak-to-peak at nominal 12 VDC
Relais d'alarme : Normalement fermé ; 30 mA, 25 Vcc, 22 Ohms de résistance max; Durée d'ouverture du relais: 3 sec.	Relé de Alarma: Energizado Forma A; 30 mA, 25 VCC; resistencia 22 Ohms máximo; Duración del Relé de Alarma: 3 segundos	Alarmrelais: Aktiviertes Form-A-Relais; 30 mA, 25 VDC; Widerstand max. 22 Ohm, Alarmrelais-Anzugsdauer: 3s	Alarm Relais: Energized Form A; 30 mA, 25 VDC, 22 Ohms resistance maximum. Alarm Relay Duration: 3 seconds	Relè di Allarme: Energizzato Form A; 30 mA, 25 V —; resistenza massimo da 22W; Durata del Relè di Allarme: 3 secondi	Alarm Relay: Energized Form A; 30 mA, 25 VDC, 22 Ohms resistance maximum. Alarm Relay Duration: 3 seconds
Relais de défaut : Normalement fermé ; 30 mA, 25 Vcc; 22 Ohms de résistance max	Relé de Fallo: Sin energizar Forma B; (NC) 30 mA, 25 VCC; resistencia 22 Ohms máximo	Störungsrelais: Deaktiviertes Form-B-Relais; (NC) 30 mA, 25 VDC; Widerstand max. 22 Ohm	Anti-Mask Relay: Energized Form B; (NC) 30 ma, 25 VDC; 22 Ohms resistance maximum	Relè di Guasto: Energizzato Form B; (NC) 30 mA, 25 V —; resistenza massimo da 22W	Anti-Mask Relay: Energized Form B; (NC) 30 ma, 25 VDC; 22 Ohms resistance maximum
Autoprotections : Ouverture et arrachement : (normalement fermé avec capot installé) 30 mA, 25 Vcc	Interruptor Tamper: Cubierta y Pared: Forma A (normalmente cerrado con cubierta instalada); 30 mA, 25 VCC	Sabotagekontakt: Abdeckung und Wandabriss: Form A (üblicherweise durch montierte Abdeckung geschlossen); 30 mA, 25 VDC	Sabotageschakelaar: Cover & Wall; (NC with cover installed) Form A; 30 mA, 25 VDC	Tamper: Coperchio e parete: modulo A (generalmente chiuso con coperchio installato); 30 mA, 25 V —	Tampers: Cover & Wall; (NC with cover installed) Form A; 30 mA, 25 VDC
Hyperfréquence : 10.525 GHz	Frecuencias Microondas: 10.525 GHz	Mikrowellenfrequenz: 10.525 GHz	Microgolf Frequentie: 10.525 GHz	Frequenza Microonda: 10.525 GHz	Microwave Frequencies: 10.525 GHz
RFI Immunity: 15 V/m, 80 MHz – 2.7 GHz	RFI Immunity: 15 V/m, 80 MHz – 2.7 GHz	RFI Immunity: 15 V/m, 80 MHz – 2.7 GHz	RFI Immunitet: 15 V/m, 80 MHz – 2.7 GHz	RFI Immunity: 15 V/m, 80 MHz – 2.7 GHz	RFI Immunity: 15 V/m, 80 MHz – 2.7 GHz
Immunité à la lumière blanche (IRP) : 10,000 Lux typique	Inmunidad del PIR a la luz blanca: 10,000 Lux típico	PIR-Weiβlicht-Störfestigkeit: 10,000 Lux (typ.)	PIR Witlicht immunitet: 10,000 Lux typical	Immunità PIR alla luce bianca: 10,000 Lux tipica	PIR White Light Immunity: 10,000 Lux typical
Filtre lumière fluorescente : 50 Hz / 60 Hz.	Filtro Luz Fluorescente: 50 Hz / 60 Hz.	Leuchtstofflampenfilter: 50 Hz / 60 Hz.	Filter voor TL-lampen: 50 Hz / 60 Hz.	Filtro luce fluorescente: 50 Hz / 60 Hz.	Fluorescent light filter: 50 Hz / 60 Hz.
Température de fonctionnement : -10° à 55° C	Temperatura de Funcionamiento: -10° to 55° C	Betriebstemperaturbereich: -10° bis 55° C	Werkingstemperatuur: -10° to 55° C	Temperatura di esercizio: -10° to 55° C	Operating Temperature: -10° to 55° C
Humidité Relative : 5 à 95%; sans condensation	Humedad Relativa: 5 to 95%; sin condensación	Relative Feuchte: 5 - 95% (nicht kondensierend)	Relatieve vochtigheid: 5 to 95%; niet condensierend	Umidità Relativa: 5 to 95%; non condensante	Relative Humidity: 5 to 95%; non-condensing
Compensation de Température : A double pente	Compensación de la temperatura: Compensación bidireccional avanzada	Temperatenausgleich: Erweitertes Dual-Slope	Temperatuur Compensatie: Intelligent ("Dual Slope")	Compensazione Temperatura: Avanzata a doppio gradiente	Temperature Compensation: Advanced Dual Slope
Dimensions: 11.6 cm H x 7.0 cm W x 4.3 cm D	Dimensiones: 11.6 cm H x 7.0 cm A x 4.3 cm F	Abmessungen (HxBxT): 11,6 x 7,0 x 4,3 cm	Afmetingen: 11.6 cm H x 7.0 cm W x 4.3 cm D	Dimensioni: 11.6 cm H x 7.0 cm W x 4.3 cm D	Dimensions: 11.6 cm H x 7.0 cm W x 4.3 cm D
Masse: 135g	Peso: 135g	Gewicht: 135g	Gewicht: 135g	Peso: 135g	Weight: 135g

ACCESSOIRES / ACCESORIOS / ZUBEHÖR / ACCESSOIRES / ACESSÓRIOS / ACCESSORIES

SMB-10 (P/N 0-000-110-01)	Rotule de montage / Rotula de montaje a pared / Schwenkbare Montagehalterung / Muurbeugel / Snodo da parete / Swivel Mount Bracket
SMB-10C (P/N 0-000-111-01)	Rotule de plafond / Rotula de montaje a techo / Schwenkbare Montage-/Deckenhalterung / Plafondbeugel / Snodo da soffitto / Swivel Mount Ceiling Bracket
SMB-10T * (P/N 0-000-155-01)	Rotule de montage avec autoprotection / Rotula de montaje a pared con tamper / Schwenkbare Montagehalterung mit Sabotageschutz / Muurbeugel met sabotage schakelaars/ Snodo da parete con tamper / Swivel Mount Bracket w/Tamper

* EN 50131-2-4 Conforme / Se adecua / Konformität / Geschikt / Conforme / Compliant

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Per ogni ulteriore informazione, si prega di fare riferimento al nostro sito Web:
For any additional information, please refer to our Website:
<http://www.honeywell.com/security/emea/hscdownload>

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