

Secoris wireless Seismic sensor

Art.-Nr. FUEM60000

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VIBRATION DETECTOR FOR SURFACES AND OBJECTS

Detects the vibration of break-in and break-through attempts

The wireless vibration detector reacts to vibrations caused by break-in attempts, breaking open and breaking through walls, doors, etc. (smashing, drilling, sawing, levering, etc.) and to the movement of objects (theft). The occurring vibrations are reliably detected and reported to the intrusion alarm system or alarm system.

For valuable objects, structural elements, protective walls, etc.

The wireless vibration detector detects vibrations of the surface on which it is mounted. It is attached to the objects that are not to be moved or penetrated, e.g. safes, display cases, works of art. It also monitors wooden doors, glass walls, plaster walls or window frames against breaking through and breaking open. The detector's highly sensitive acceleration sensor can be precisely adjusted via variable sensitivity and alarm levels (e.g. alarm at the first vibration, after repeated vibration). This ensures a high level of protection against false alarms (e.g. vibrations caused by truck traffic).

Secure connection, long range

The detector is taught into the Secoris wirelessly via the BUS wireless extension. A secure wireless protocol protects the connection from tampering by third parties. Transmission is AES128-encrypted (same security level as in online banking) and protected against so-called replay attacks. The detector offers a long wireless range.

Technologies

- Wireless vibration detector for monitoring objects and walls that are not to be moved or penetrated
- Detector monitors the surface or object on which it is mounted for vibration (highly sensitive acceleration sensor)
- Sensitivity and alarm sensitivity individually adjustable

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- Wireless detector easily retrofittable without cable (battery life up to 2 years)
- Display of the wireless signal strength on the unit (coloured LED)
- High security: tamper monitoring (cover and wall tear-off contact)
- Vibration detector can be used in Secoris wireless mode (BUM060030) or Secvest wireless mode (FUAA50000, FUAA50500)
- Wireless connection in Secoris wireless mode AES128-encrypted and replay-protected
- Compliant with EN 50131

Technical data - Secoris wireless Seismic sensor

Adjustable sensitivity	Yes
Alarm memory	No
Battery - max. battery life	2 years(s)
Battery - permanently installed	No
Battery - quantity	1
Battery type	CR2, 3V
Certifications	compliant to EN 50131-1
Colour	white
Compatible with	Secoris, Secvest
Current consumption	25 mA
Current consumption standby	0.02 mA
DC power supply	3 V
Detection method	Vibration detection
Diameter	19 mm
Dimensions	(WxHxD) 19 x 103 x 24 mm
EN	Grade 2
Environmental class	II
Gross weight	0.04 kg
Height	103 mm
Housing material	ABS
Max. Air humidity	95 %
Max. Operating temperature	55 °C
Max. Receive range (free field)	700 m
Max. Transmit range (free field)	700 m
Min. operating temperature	-10 °C
Modulation	2FSK
Mounting location	Surfaces to be monitored for shock
Net weight	0.04 kg

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Power consumption	0.075 W
Product group	Detectors
Radio frequency	868.09 MHz
Radio frequency 2	868.23 MHz
Radio frequency 3	868.37 MHz
Radio frequency 4	868.51 MHz
Radio frequency 5	868,6625 MHz
Radio power	10 mW
Rechargeable battery	No
Security gradient	2
Sensor type	Acceleration Sensor
Status display	Yes
Tamper monitoring	Yes
Technology	Electronics
Type of protection	Intrusion protection
VdS class	without
Voltage monitoring	Yes
WEEE group	09
width	19 mm