DDI78-EXF4

Détecteur de mouvement extérieur certifié ATEX 10.525Ghz, MOQ = 10pcs (Qté mini. de commande).

Product overview

The DDI78-EXF4 model of stereo Doppler was developed to protect Hazardous location due to the presence of flammable gasses or vapors, combustible dusts or easily ignitable fibers of flyings. The DDI78-EXF4 electronic assembly is configured to be easily inserted into special explosion-proof enclosure. The unit is suitable for application in hazardous locations under the following classifications. Zone: 1 & 1 and 21-22.

Application

This unit is suitable for installation at petroleum, chemical and petrochemical plants, storage areas and other processing facilities where hazardous substance are handled or stored.

Classification

- According to CENELEC
- Conforming to ATEX Directive 94/9 EC and standards EN50014-18
- EC0081 Ex II 2 G for gas EEx d IIC T6
- EC0081 Ex II 2 D-T = +85° for dust
- According to IEC: - DIPA 21 Ta = +85°C

Features

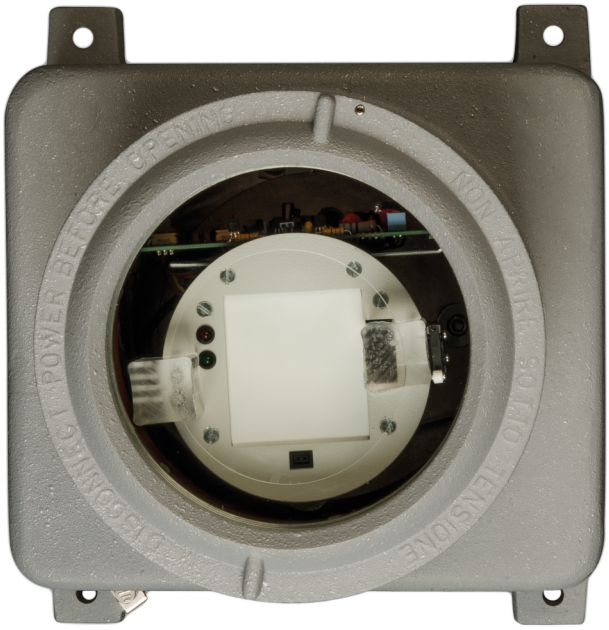
Stereo Doppler Microwave Detector: Two receiving channels with the ability to eliminate vibration and periodically moving objects as sources of the alarms.

Digital Range Control: Ten-position digital switch adjust the overall size of the sensor's detection area.

Digital Sensitivity Control: Ten-position digital switch adjust the amount of movement required to initiate an alarm condition.

Enhanced Bird Control: Two-position switch adjust the sensor's immunity to birds and small animals.

Walk test Sounder: Optional audible tester to assist in the walk-test and initial sensor set-up. The sounder greatly simplifies the installation as it enables walk testing and adjustment by a single installer.



Détails

- Détecteur stéréo doppler à micro-ondes
- Surveillance stéréo-doppler
- Contrôle numérique de la portée
- Contrôle numérique de la sensibilité
- Contrôle renforcé de l'immunité aux oiseaux
- Sondeur pour tests de marche
- Anti-effraction
- Anti-arrachement
- Conforme aux normes ATEX
- Passe-câble inclus

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Spécifications techniques

General

Technology	Microwave
Application type	Wall mount
Anti masking	No
Pet immune	No
Camera	No

Detection

Max. detection range	30 m
Detection range	30 x 13 m
Microwave frequency (nom.)	10.525 GHz
Max. microwave output (at 1m)	120 µW/cm2 at the face of the unit
Undercrawl protection	No
Microwave frequency	Spain

Wired/wireless

Wired-wireless	Wired

Electrical

Power supply value	8.5 to 20 VDC
Current consumption	150 mA @ 12 VDC (LEDs off)

Physical

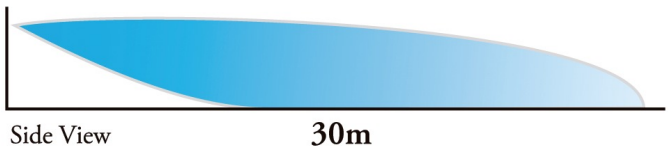
Physical dimensions	255 x 334 x 290 mm (W x H x D)
Net weight	12 kg
Colour	Grey
Access holes	1/2" cable gland suitable for non-armored cable from 2mm to 9mm diameter
Minimum order quantity (MOQ)	10 pcs

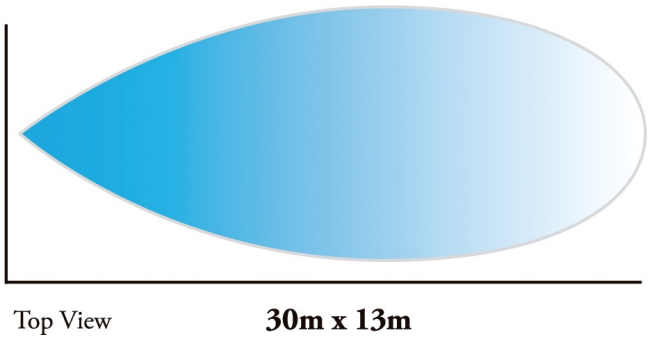
Environmental

Operating temperature	-34 to +70°C
Relative humidity	0 to 100% noncondensing
Environment	Outdoor
IP rating	IP66 / IK10

Inputs / outputs

Relay contact rating	0.1 A, 50 V





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