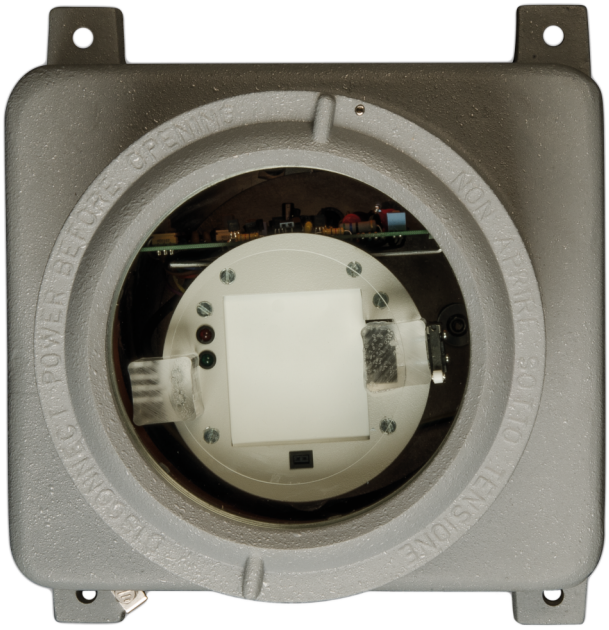
DDI78-EXF1

Détecteur de mouvement hyper fréquence doppler stéréo certifié ATEX

Product overview

The DDI78-EXF1 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-EXF1 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 and 2 for flammable gasses and Zone 21 and 22 for combustible dusts: oil rigs, petrochemical sites, storage zones for dangerous materials.



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

- Stereo doppler microwave detector
- Stereo doppler supervision
- Digital range control
- Digital sensitivity control
- Enhanced Bird immunity control
- Walktest sounder
- Tamper proof
- Solid state relay
- Compliant with ATEX standards
- Cable gland included

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Spécifications techniques

Général

Technologie	Microwave
Type d'application	Fixation murale
Anti-masquage	Non
Insensible aux animaux	Non
Caméra	Non

Détection

Plage de détection maximale	30 m
Portée de détection	30 m
Hyperfréquence (nom.)	10.587 GHz
Sortie Max. d'onde (à 1m)	120 µW/cm2 at the face of the unit
Protection sous-jacente	Non

Filaire / sans fil

Filaire / sans fil	Câblés

Électrique

Valeur de l'alimentation	8.5 to 20 VDC
Consommation de courant	150 mA

Caractéristiques physiques

Dimensions physiques	255 × 334 × 290 mm
Poids net	12 kg
Couleur	GrisGris

Environnement

Température de fonctionnement	-34 to +70°C
Humidité relative	100.00%
Environnement	Extérieur
Indice de protection	IP66 / IK10

Detection

Microwave frequency	Belgium, Denmark, France, Italy, Greece, Ireland, Luxembourg, Netherlands, Sweden, UK

Inputs / outputs

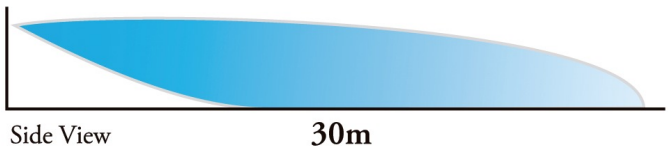
Relay contact rating	0.1 A, 50 V

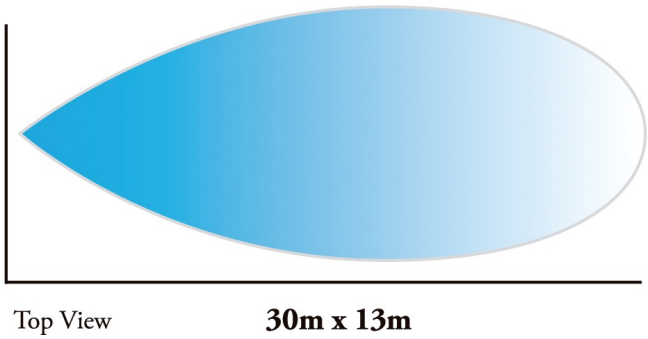
Physical

Minimum order quantity (MOQ)	10 pcs

Cabling

Access holes	1/2" cable gland suitable for non-armored cable from 5mm to 13mm diameter
Connections	In accordance to EN/IEC 60079-14





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