

DDI78-EXF1

Microwave outdoor motion sensor in explosion-proof housing, MOQ = 10pcs

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

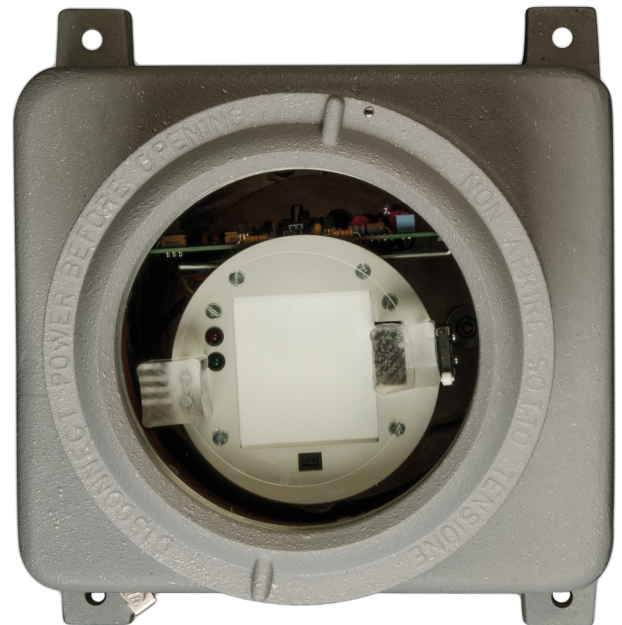
Stereo Doppler Microwave Detector: Two receiving channels with the ability to eliminate vibration and periodically moving objects as sources of the alarms.

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.



Yksityiskohdat

- 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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Tekniset tiedot

Yleinen

Teknologia	Microwave
Sovelluksen tyyppi	Seinäkiinnitys
Anti masking	Ei
Lemmikkieläinten immuuni	Ei
Kamera	Ei

Havaitseminen

Maks. tunnistusalue	30 m
Tunnistusalue	30 x 13 m
Mikroaaltotaajuus (nim.)	10.587 GHz
Maks. mikroaaltoteho (1 m)	120 μ W/cm ² at the face of the unit
Ryömintäsuoja	Ei

Langallinen / langaton

Langallinen / langaton	Langallinen
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Sähkö-

Virtalähteen arvo	8.5 to 20 VDC
Nykyinen kulutus	150 mA @ 12 VDC (LEDs off)

Fyysinen

Fyysiset mitat	255 x 334 x 290 mm (W x H x D)
Nettopaino	12 kg
Väri	Harmaa

Ympäristö-

Käyttölämpötila	-34 to +70°C
Suhteellinen kosteus	0 to 100% noncondensing
Ympäristö	Ulkoilma
IP-luokitus	IP66 / IK10

Detection

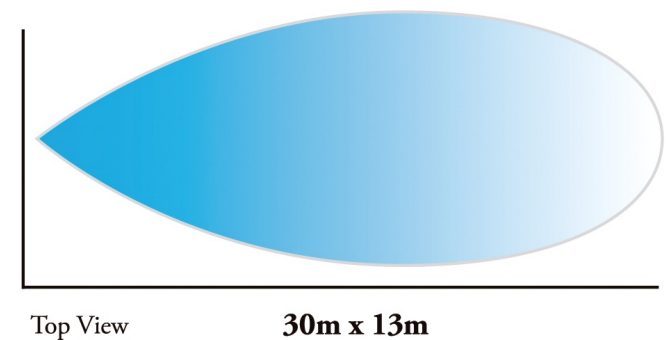
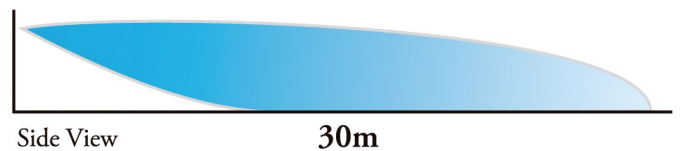
Microwave frequency	Belgium, Denmark, France, Italy, Greece, Ireland, Luxembourg, Netherlands, Sweden, UK
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Inputs / outputs

Relay contact rating	0.1 A, 50 V
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Physical

Access holes	1/2" cable gland suitable for non-armored cable from 2mm to 9mm diameter
Minimum order quantity (MOQ)	10 pcs



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