

Model: HDF-WIRE

ALARM MODULE FOR THE PROTECTION OF OBJECTS WITH TEAR-OFF WIRES

Commercial datasheet



Approximate actual size

SECURITY TECHNOLOGY FOR MUSEUMS AND EXHIBITIONS

DESCRIPTION

Very thin tear-off wires can be connected to the radio operated **HDF-WIRE** alarm module. This proven technology can be used when, for technical reasons, the use of e.g. capacitive sensors or laser scanners is not possible. Almost invisible barriers can also be realised with this traditional and proven technology. The **HDF-WIRE** module enables the connection of tear-off wires of more than 100 metres in length. A wide variety of applications are possible due to the length of the sensor wires and the possibility of using two independent wires. The integrated 868 MHz transmitter module achieves a high range even in solid buildings such as castles and palaces. The **Human Detector Flex** sensor **HDF-WIRE** can be combined with all alarm and voice output devices (such as **HDF-BUZZER** and **HDF-SPEECH**) and the alarm monitoring unit **HDF-AMD**.

HDF-WIRE secures:

- Furniture
- Vases, trophies, cups and small objects

The **HDF-WIRE** alarm module secures by using conventional tear-off wire. This solution is recommended for objects which do not require increased protection measures. **HDF-WIRE** offers a cost-effective alternative to laser scanners in locations like palaces and castles.



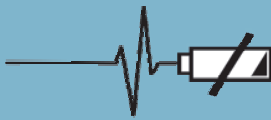
Tear-off wire 0,1 mm



High range in buildings



Long battery life



Battery monitoring



Mains and battery operation



Secure wireless transmission



Tear-off wire
0.1 mm

Protection with tear-off wire

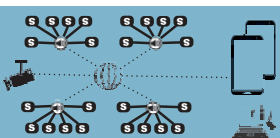


Alarm centre

EASY-Mode - starter class



MULTI-Mode - medium class



PROFI-Mode - premium class



TECHNICAL SPECIFICATIONS

Technology	Radio alarm module for connecting tear-off wires
Interface	2 alarm circuits (wire length up to 100 m)
Emphatic installation	Any hidden installation location
Transmission frequency	869,5 MHz
Transmission power	+ 15 dBm
Range	Up to 1500 m in open area, good penetration of walls due to modulation with frequency spread spectrum modulation *1
Supply voltage	3 V lithium battery CR2450 changeable, external supply voltage 8-14 V AC/DC *2
Supply current	Typically 2 µA in standby, 50 mA during transmission
Response time	Typically 50 ms for complete transmission
Other functions	Concealed micro switch for switching on and off Micro push-button for linking individually and for test mode Connector for 2 tear-off wires Long battery life up to 10 years *3 Monitoring strength of receive signal Monitoring battery voltage (alarm before end of battery life) All operating modes supported (EASY-, MULTI- and PROFI-Mode) *4
LED	3 mm LED red indicating radio operation, 3 mm LED green indicating program function
Dimensions	70,4 mm (L) x 50,4 mm (W) x 17 mm (H) 70,4 mm (L) x 60 mm (W) x 17 mm (H) with connectors
Weight	Approx. 44 grams including battery and connectors
Material of casing	Impact-resistant plastic ABS UL94V-1
Protection class	IP20 (EN 60529)
Temperature range	-10° C to +60° C if powered
Humidity	0-95%, non-condensing
Conformity	EN 61000-6-2; EN 61000-6-3; EN 62368-1; EN 63311 ETSI EN 301489-1, ETSI EN 301489-3, ETSI EN 300220-2; EN 63000 (RoHS)

*1 The range achieved may vary depending on the spatial conditions. All measurements carried out with standard module antenna.

*2 We reserve the right not to ship the CR2450 lithium button cells in case of airfreight. A credit note will be issued therefore.

*3 The specified value is approximate. The service life may change depending on alarm frequency, temperature and battery age.

*4 For more information on the various operating modes, please refer to the separate data sheets.

Specifications are subject to change without prior notice. All measurements were performed under specific conditions.

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www.human-detector.com

Human Detector® HDF-WIRE ALARM MODULE FOR THE PROTECTION OF OBJECTS WITH TEAR-OFF WIRES

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