

IZAR RADIO EXTERN PULSE

RADIO | RADIO MODULE

DIEHL
Metering



APPLICATION

External radio module for meters with pulse transmitter or open collector interface. Usable for optimum reading with difficult access.

FEATURES

- ▶ Simple installation
- ▶ Transmission of meter data by radio to mobile or stationary receivers
- ▶ For all types of meters with pulse transmitter or open collector interface
- ▶ On-site-programming using IrDa interface
- ▶ Storage and transmission of up to three due date values
- ▶ Battery powered with a lifetime of up to 15 years

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PRINCIPLE OF OPERATION

The IZAR RADIO EXTERN PULSE consists of an electronic unit, which receives and saves meter information in the form of pulses. The radio module sends the meter number, meter reading and various items of operating information every 8 sec. The data can be received by a mobile or static receiver.

Mobile: The IZAR@MOBILE 2 TABLET collects the data in walk-by or drive-by mode in conjunction with the IZAR RECEIVER BT. The data for the reading route is sent directly to the central PC.

Static: An IZAR RECEIVER (M-Bus, LAN, WLAN, GPRS) collects and saves the data and transfers it cyclically to a control centre (e.g. IZAR CENTER, Web server).

TECHNICAL DATA

IZAR RADIO EXTERN PULSE	
Radio protocol	PRIOS
Versions / frequency band	868.95 MHz and 434.475 MHz
Modulation	FSK
Transmission power	7 mW
Transmission mode	Unidirectional
Radio range	Up to 400 m depending on ambient conditions
Programming interface	Optical IrDa
Approval in compliance with standard	EN 60950 Information technology equipment - Safety - Part 1: General requirements, EN13757-4
Power supply	1 Lithium battery 3.6 V
Battery lifetime	Up to 15 years
Data update	Permanent
Sending interval	8 s
Input frequency	Hz Max. 10
Min. input pulse duration	ms 50
Alarms	Leakage, manipulation
Maximum deviation real time clock	Typically 1 h per year

AMBIENT CONDITIONS

IZAR RADIO EXTERN PULSE	
Operating temperature	°C -15 ... +55
Storage temperature	°C -15 ... +55
Humidity	% 0 ... 100
Protection class	IP 68

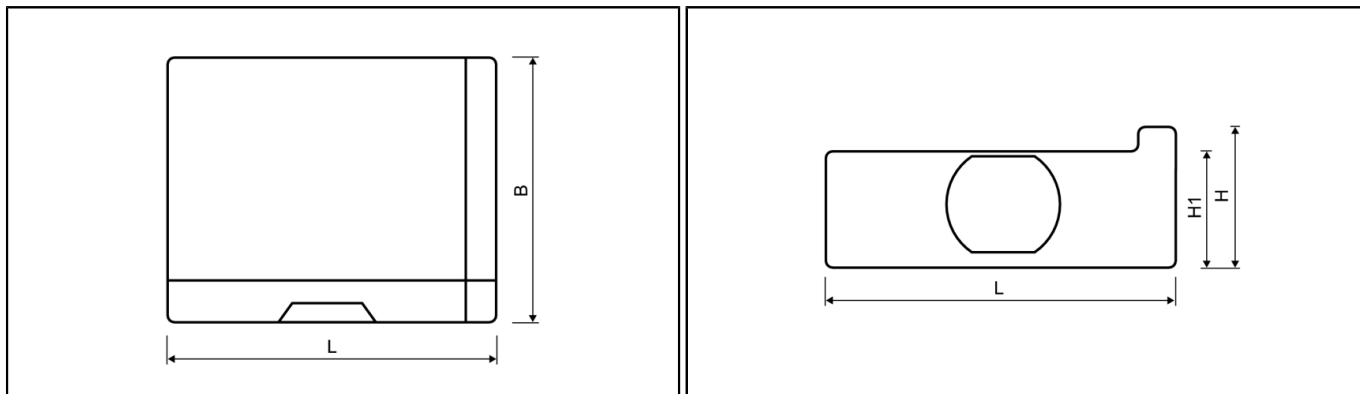
OPTICAL INTERFACE

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Programmable values	Radio on/off, serial number, meter index, medium, due date

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DIMENSIONS



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Length	L	mm	104
Width	B	mm	83
Height	H	mm	42
Height	H1	mm	34