IZAR RADIO EXTERN PULSE (PHASED OUT)

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

Empower a sustainable future

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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

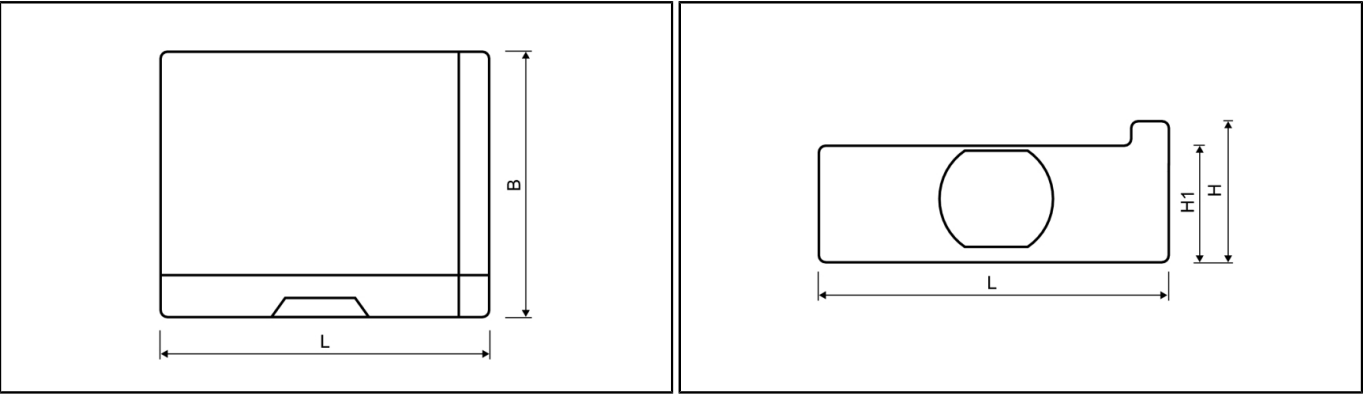|		IZAR RADIO EXTERN PULSE
Operating temperature	°C	-15 ... +55
Storage temperature	°C	-15 ... +55
Humidity	%	0 ... 100
Protection class		IP 68

OPTICAL INTERFACE

	IZAR RADIO EXTERN PULSE
Programmable values	Radio on/off, serial number, meter index, medium, due date

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DIMENSIONS

IZAR RADIO EXTERN PULSE			
Length	L	mm	104
Width	B	mm	83
Height	H	mm	42
Height	H1	mm	34

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