

IZAR RADIO EXTERN PULSE (PHASED OUT)

Radio | Radio Module



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

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	

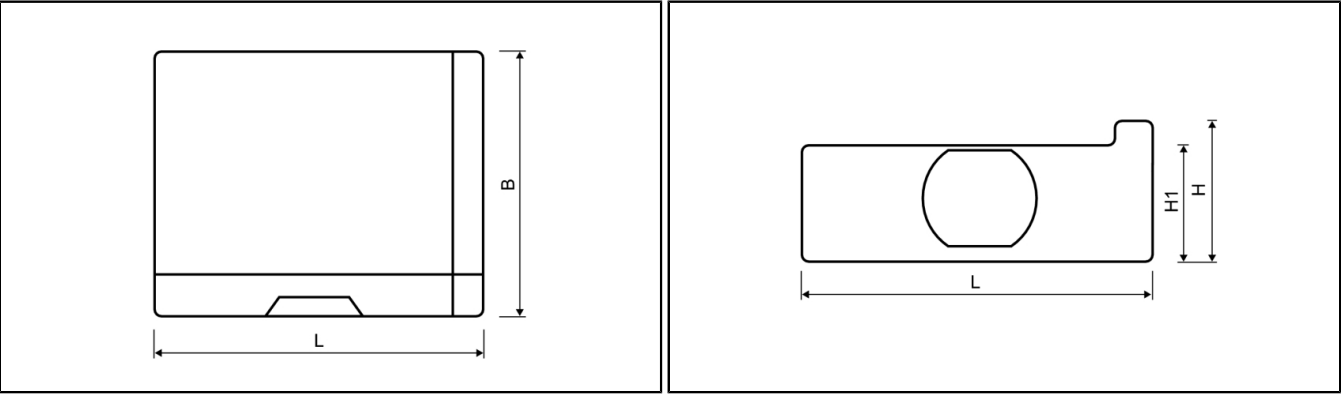
AMBIENT CONDITIONS

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

DIMENSIONS



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

Economic Actor Information

Applicable regulation and legal obligations for products may change.

DIEHL METERING monitors applicable regulation to ensure their products comply at the date of placing on the market.

Each economic actor making products available on the market thereafter must independently keep informed about the current applicable regulation.

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