IZAR RADIO EXTERN M-BUS (PHASED OUT)

Radio | Radio Module

APPLICATION

External radio module for meters with M-Bus interface. Usable for optimum reading with difficult access.

FEATURES

▶ Simple installation

▶ Transmission of real meter data by radio (OMS) to mobile or stationary receivers

▶ For types of meters with M-Bus interface

▶ On-site-programming using IrDa interface

▶ Battery powered with a lifetime of up to 12 years

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PRINCIPLE OF OPERATION

The IZAR RADIO EXTERNAL M-BUS consists of an electronic unit, which receives and saves meter information in the form of real data. The radio module sends the meter number, meter reading and various items of operating information every 8 ... 16 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. HYDRO-CENTER, Web server).

TECHNICAL DATA

	IZAR RADIO EXTERN M-BUS
Radio protocol	OMS 2.0
Versions / Frequency band	868.95 MHz wM-Bus according to OMS
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	2 Lithium batteries 3.6 V
Battery lifetime	Up to 12 years
External power supply	AC 7.5 V ... 24 V, I = 10 mA; DC 5 V ... 24 V; I = 10 mA
Data update	Battery: once per day; External power supply: every 3 minutes
Sending interval	8 ... 16 s depending on telegram length
Maximum deviation real time clock	Typically 1 h per year

AMBIENT CONDITIONS

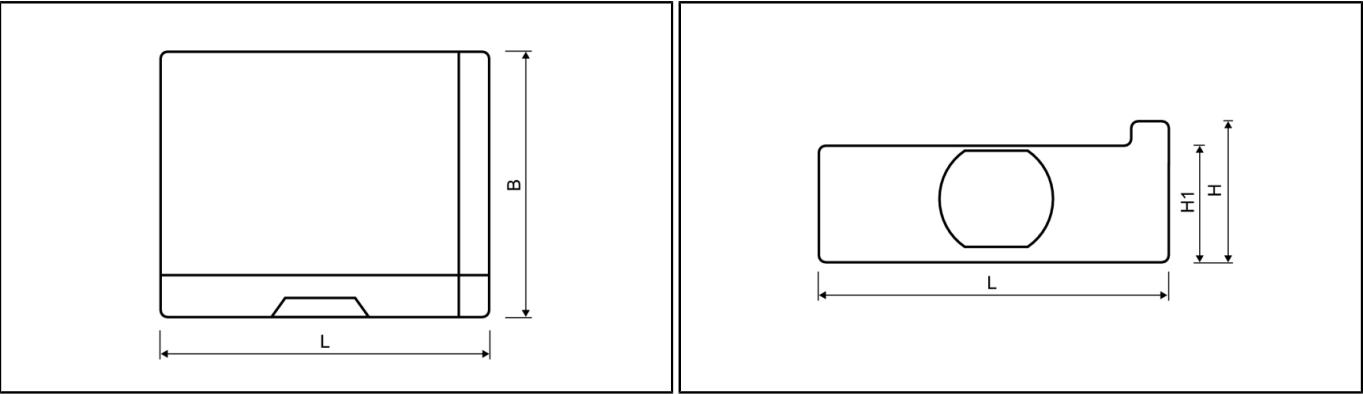|		IZAR RADIO EXTERN M-BUS
Operating temperature	℃	-15 ... +55
Storage temperature	℃	-15 ... +55
Humidity	%	0 ... 100
Protection class		IP 68

OPTICAL INTERFACE

	IZAR RADIO EXTERN M-BUS
Programmable values	Radio on/off, meter type

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DIMENSIONS

IZAR RADIO EXTERN M-BUS			
Length	L	mm	104
Width	B	mm	83
Height	H	mm	42
Height	H1	mm	34

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