IZAR RADIO SEGMENT (PHASED OUT)

Radio | Radio Module

DIEHL
Metering

APPLICATION

Radio segment for the single-jet water meter AQUARIUS S. Usable for optimum reading with difficult access.

FEATURES

▶ Simple installation

▶ Transmission of meter data by radio to mobile or stationary receivers

▶ Subassembly and programming on the water meter AQUARIUS S possible ex works

▶ Retrofitable on site

▶ On-site-programming using IrDa interface

▶ Storage and transmission of up to three due date values

▶ Battery powered with a lifetime of up to 12 years

Empower a sustainable future

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PRINCIPLE OF OPERATION

The IZAR RADIO SEGMENT consists of an eletronic 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 128 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 SEGMENT
Radio protocol	Real Data
Versions / frequency band	868.95 MHz or 434.475 MHz
Modulation	FSK
Transmission power	7 mW
Transmission mode	Unidirectional
Radio range	Up to 300 m depending on ambient conditions
Programming interface	Optical IrDa
Approval in compliance with standard	EN 60950 Information technology equipment - Safety - Part 1: General requirements
Power supply	Lithium battery 3V
Battery lifetime	Up to 12 years
Data update	Permanent
Sending interval	128 s
Alarm	Leakage

AMBIENT CONDITIONS

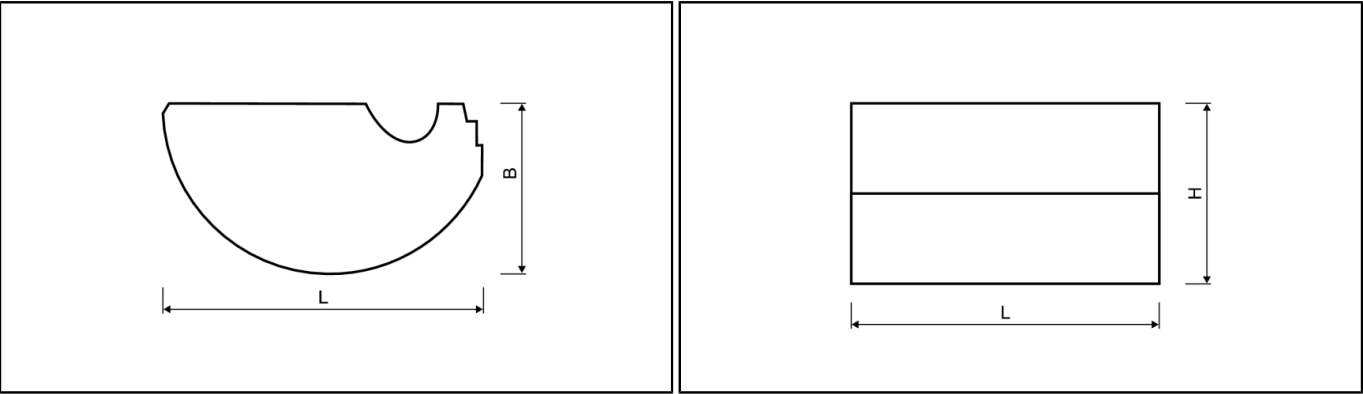|		IZAR RADIO SEGMENT
Operating temperature	°C	0 ... 40
Storage temperature	°C	0 ... 40
Humidity	%	0 ... 93
Protection class		IP 54

OPTICAL INTERFACE

	IZAR RADIO SEGMENT
Programmable values	Radio on/off, serial number, meter index, medium, due date
Readable values	Remaining battery lifetime, history of 12 monthly values

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DIMENSIONS

IZAR RADIO SEGMENT			
Length	L	mm	64
Width	B	mm	38
Height	H	mm	39

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