DIEHL
Metering

IZAR RADIO EXTEND

RADIO MODULES



APPLICATION

The IZAR RADIO EXTEND is a transceiver for improving of performance within a radio fixed network as well as mobile reading, especially made for hard-to-read locations. Up to 4 radio devices can be received and transmitted. The simple and effective reading topology stays.

FEATURES

- Simple and short installation
- Strengthening of radio signals (OMS-S)
- For mobile reading and fixed network
- On-Site-Programming using IrDa interface
- Battery powered with a lifetime of up to 12 years

PRINCIPLE OF OPERATION

The IZAR RADIO EXTEND is an electronic unit which receives radio telegrams and saves them temporarily. The data which is sent by the IZAR RADIO EXTEND can be stored by using a mobile or fixed 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.
- Fixed: An IZAR RECEIVER (IZAR RDC) collects and saves the data to transmit these to a central FTP server cyclically.

TECHNICAL DATA

	IZAR RADIO EXTEND
Radio protocol	OMS Generation 4, Security Profile B
Versions / frequency band	868.95 MHz or 434.475 MHz wM-Bus to OMS
Modulation	FSK
Transmission power	7 mW
Transmission mode	Receiving and sending
Radio range	Up to 600 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	2 Lithium batteries 3.6 V
Battery lifetime	Up to 12 years
Data update	15 min to 24 h
Sending interval	8 s ... 60 s depending on telegram length and number of counter

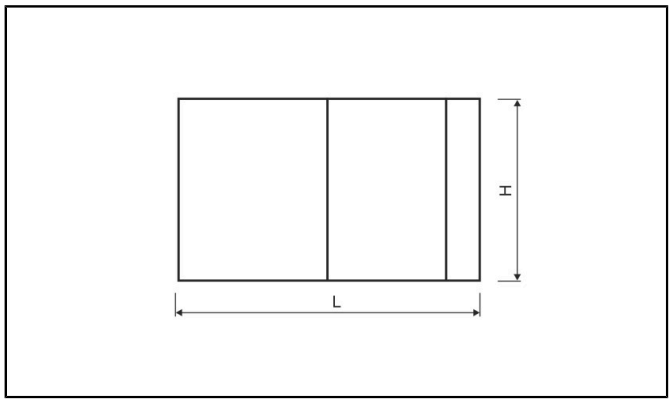
AMBIENT CONDITIONS

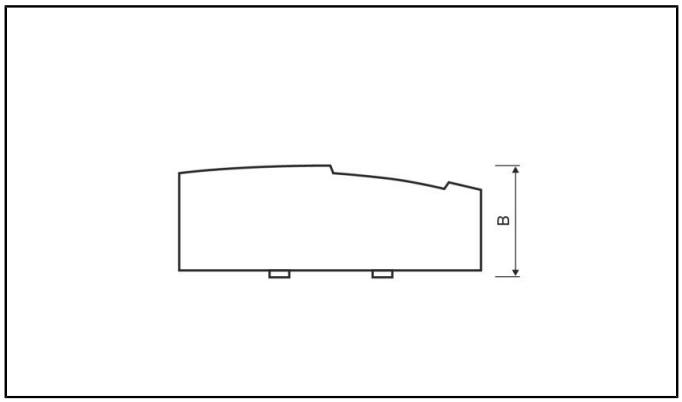
		IZAR RADIO EXTEND
Operating temperature	°C	-20 ... +70
Storage temperature	°C	-10 ... +50
Humidity	%	10 ... 70 (non-condensing)
Protection class	IP	68

OPTICAL INTERFACE

	IZAR RADIO EXTEND
Programmable values	Radio on/off, sending interval, receiving duration, meter information

DIMENSIONS





			IZAR RADIO EXTEND
Length	L	mm	140
Width	B	mm	51
Height	H	mm	86

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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