DIEHL
Metering

IZAR RECEIVER M-BUS

RADIO | RECEIVER

APPLICATION

The IZAR RECEIVER M-BUS is used for stationary reading of consumption meters with IZAR RADIO or Open Metering radio protocol. Remote reading and data logging of these meters will be done in combination with an IZAR CENTER M-Bus master.

FEATURES

- Radio receiver for capturing Open Metering and IZAR RADIO data telegrams
- Available in 868 MHz and 434 MHz version
- No M-Bus cabling from consumption meter to M-Bus master necessary
- Two-wire M-Bus interface for direct connection to an IZAR CENTER communication central
- Powered through M-Bus interface, no external power supply necessary
- Meters with radio output and standard M-Bus meters may be used simultaneously in one system
- Internal memory for buffering the last received radio telegram from up to 450 consumption meters
- Only compatible with IZAR CENTER and IZAR@NET 2

PRINCIPLE OF OPERATION

The IZAR RECEIVER M-BUS receives radio telegrams from IZAR RADIO or Open Metering meters and stores them into its internal memory. Each time a new radio telegram is received, the IZAR RECEIVER M-BUS deletes the old one from that meter. The IZAR RECEIVER M-BUS can only be used in combination with an IZAR CENTER M-Bus master and IZAR@NET 2 software. Here it is possible to do an interval reading like it is done with a normal M-Bus meter. The data stored in the IZAR CENTER memory must be transferred to IZAR@NET software.

GENERAL

	868 / 434 MHz
Versions	2 different versions for receiving 868 or 434 MHz radio telegrams
Housing	Light-grey plastic housing with wall mounting support
Protection	Terminal protection cap may be sealed
Communication speed	2400 and 9600 baud
Range of reception	Up to 400 m outdoor or up to 30 m indoor
Configuration	Via IZAR CENTER software and hardware
Antenna	Internal antenna, invisible
Indicators	2 LED indicators for: valid radio telegram received and invalid radio telegram received
Installation	Up to 1 / 3 / 6 / 12 IZAR R M-BUS may be connected to one IZAR CENTER 25 / 60 / 120 / 250

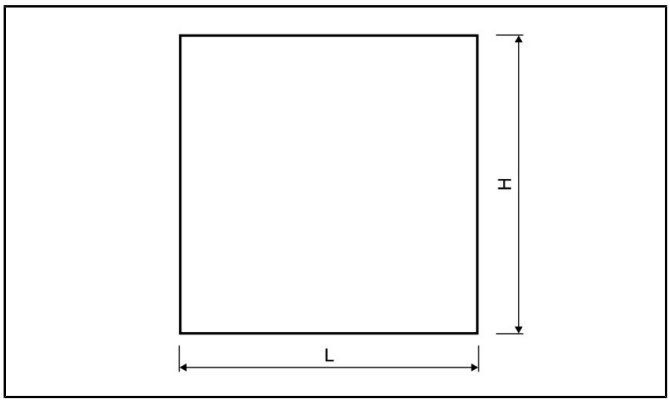
TECHNICAL DATA

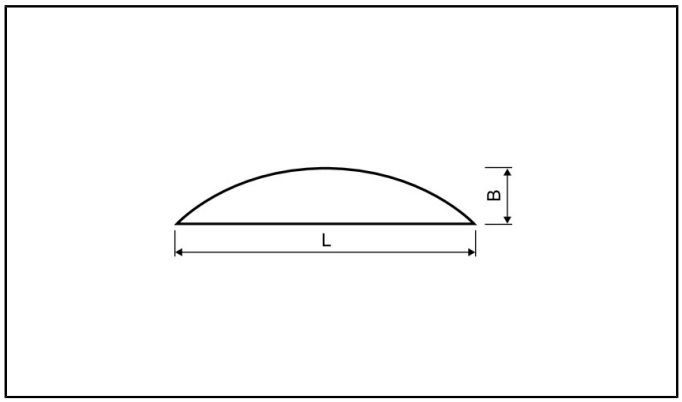
		868 / 434 MHz
Power supply		Via M-Bus
Weight	g	150
Protection class		IP 20

AMBIENT CONDITIONS

		868 / 434 MHz
Operating temperature	°C	0 ... 60
Humidity	%	10 ... 70

DIMENSIONS





			868 / 434 MHz
Length	L	mm	120
Width	B	mm	35
Height	H	mm	120

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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