

IZAR RECEIVER M-BUS

RADIO RECEIVER

DIEHL
Metering



APPLICATION

IZAR RECEIVER M-BUS is used for fixed network reading of meters equipped with an IZAR radio. It converts the data into M-Bus format and transmits them to an IZAR CENTER M-Bus master.

FEATURES

- ▶ Radio receiver for IZAR radio modules
- ▶ Available in 868 MHz and 434 MHz version
- ▶ 2-wires M-Bus interface for direct connection to an IZAR CENTER M-Bus master
- ▶ Powered through M-Bus interface, no external power supply necessary
- ▶ IZAR radio meters and standard M-Bus meters may be used simultaneously in one system
- ▶ Internal memory for logging of up to 450 different meters

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RADIO RECEIVER

PRINCIPLE OF OPERATION

IZAR RECEIVER M-BUS receives radio data from meters equipped with an IZAR radio and stores them into its internal memory. Each time a new radio telegram is received, IZAR RECEIVER M-BUS refreshes the memorized data. IZAR RECEIVER M-BUS can only be used together with an IZAR CENTER M-BUS Master. It is possible to read with defined intervals the IZAR RECEIVER M-BUS like it is done with a normal M-Bus meter. The data stored in the IZAR CENTER memory can be transferred to IZAR@NET2 software.

GENERAL

IZAR RECEIVER M-BUS	
Frequency	MHz 868 434
Housing	Light-grey plastic housing with wall mounting support
Protection	Terminal protection cap may be sealed with plastic seal
Communication speed	2,400 9,600 bauds
Range of reception	Up to 400 m outdoor or up to 30 m indoor
Configuration	Via IZAR CENTER software and hardware
Antenna	Internal antenna
Indicators	2 LED indicators for valid and invalid radio telegram received
Installation	Up to 1 / 3 / 6 / 12 M-Bus receivers may be connected to one IZAR CENTER 25 / 60 / 120 / 250

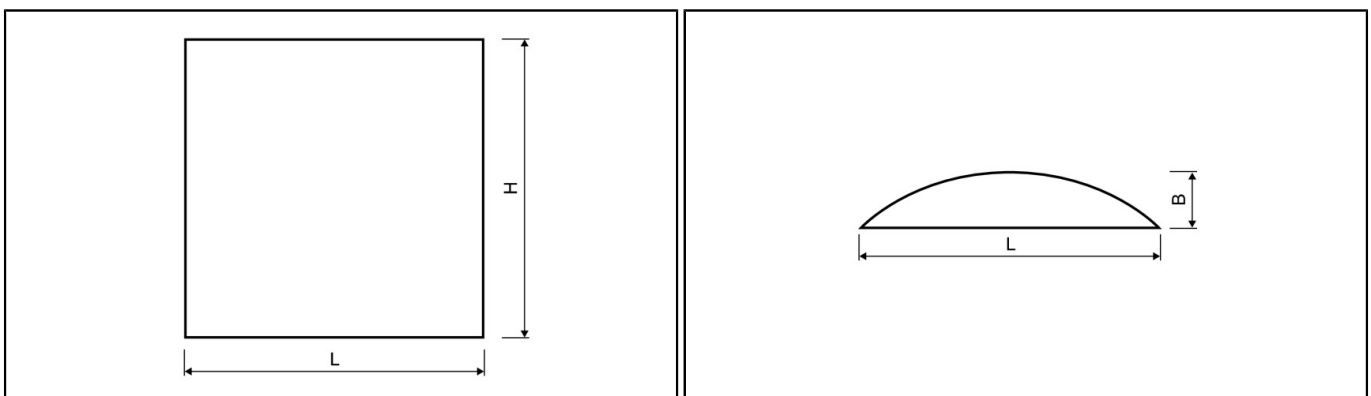
TECHNICAL DATA

IZAR RECEIVER M-BUS	
Power supply	Via M-Bus
Weight	g 200
Protection class	IP 20

AMBIENT CONDITIONS

IZAR RECEIVER M-BUS	
Operating temperature	°C 0 ... +60
Humidity	% 10 ... 70

DIMENSIONS



IZAR RECEIVER M-BUS			
Length	L	mm	120
Width	B	mm	35
Height	H	mm	120