

# IZAR RECEIVER M-BUS E

RADIO | RECEIVER

HYDROMETER



## APPLICATION

The IZAR RECEIVER M-BUS E is used for stationary reading of up to 4 Open Metering or IZAR RADIO consumption meters. Remote reading of these meters and logging of meter data will be done in combination with an electricity meter with integrated M-Bus master interface.

## FEATURES

- ▶ Radio receiver for capturing Open Metering and IZAR RADIO data telegrams
- ▶ No M-Bus cabling from consumption meter to electricity meter necessary
- ▶ Simple installation and programming using IrDa interface
- ▶ Two-wire M-Bus interface for direct connection to an electricity meter
- ▶ Support of primary addressing
- ▶ Powered through M-Bus interface
- ▶ Internal memory for buffering the last received radio telegram

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## PRINCIPLE OF OPERATION

The IZAR RECEIVER M-BUS E receives 868 MHz radio telegrams from Open Metering and IZAR RADIO meters with internal or external radio module and is storing them into its internal memory. Each time a new radio telegram is received, the IZAR RECEIVER M-BUS E is deleting the old one from that meter. The IZAR RECEIVER M-BUS E can be used in combination with an electricity meter with integrated M-Bus interface. The e-meter works as an M-Bus master and is storing the data from the IZAR RECEIVER M-BUS E. The meter data from the electricity meter and the consumption meters is transmitted via PLC (Powerline Carrier) interface to a modem that is sending the data to central server PC.

## GENERAL

868 MHz	
Housing	Light-grey plastic housing with wall mounting support and integrated cable
Communication speed	2400 baud pre-configured
Range of reception	Up to 400 m outdoor or up to 30 m indoor
Configuration	Via IZAR@MOBILE software and IZAR OPTOHEAD BLUETOOTH (IrDa communication)
Antenna	Internal antenna, invisible
Indicators	2 LEDs for status indicating
Installation	One M-Bus Receiver E can be connected to one PLC e-meter

## TECHNICAL DATA

868 MHz	
Power supply	via M-Bus
M-BUS level	V Min: 11.4 - Max: 24.6
Power input	mA Typical: 22 - Max: 25
Protection class	IP 44
Cable length	m 2

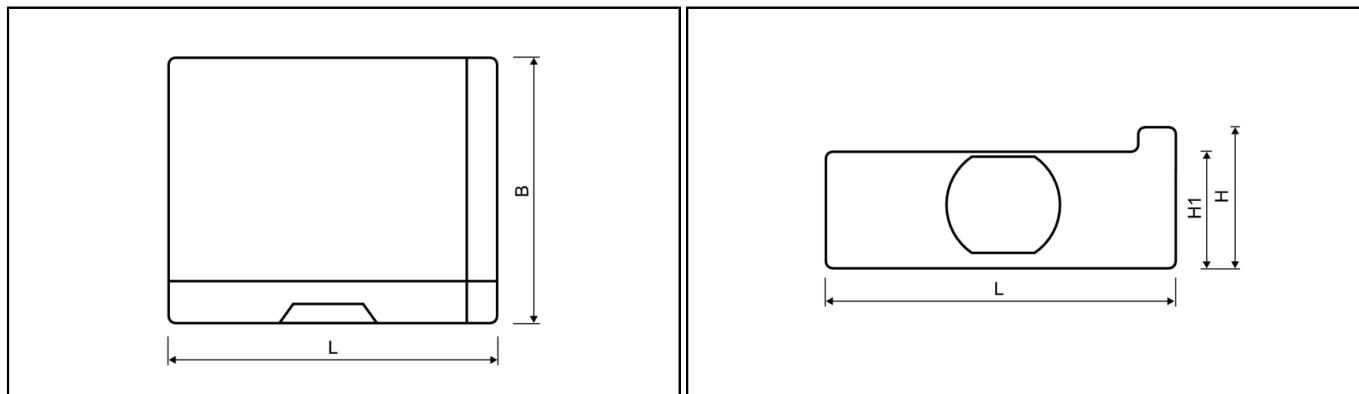
## AMBIENT CONDITIONS

868 MHz	
Operating temperature	°C -20 ... +60
Storage temperature	°C -30 ... +70

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## DIMENSIONS



868 MHz			
Length	L	mm	104
Width	B	mm	83
Height	H	mm	42
Height	H1	mm	34