

Izar Radio External Inductive Pulse

EHM200

IZAR Base External PULSE and the IZAR RCi Radio Module

IZAR BE PULSE receives information from a pulse emitter, such as an IZAR PULSE i. It transmits this information in an inductive mode to the radio module clipped on it by simulating the rotation of the half-disc of the meter's register. The associated radio module transmits the index and the alarms of the meter via a radio link.

Mobile reading in walk-by / drive-by / passive drive-by: The data sent by IZAR BE PULSE + radio module is collected using either a handheld computer or a tablet equipped with an IZAR RECEIVER BT for walk-by / drive-by. It is then transferred directly to a centralized monitoring system, such as IZAR@NET 2 software.

Fixed network: A fixed receiver IZAR RDC BATTERY (EHM008-B(-ET)) or IZAR RDC PREMIUM (EHM008-R2) installed in buildings will collect the data and send it at predefined intervals, via GPRS or LAN, to a centralized server. Reading through M-Bus application with an IZAR CENTER associated to an IZAR RECEIVER M-BUS and IZAR@NET 2 software is also possible. Protocol, frequency, radio range, sending intervals and functions are linked to the type of radio module clipped on the IZAR BE PULSE.

Ideal for gathering readings from difficult to access meters.

KEY FEATURES

- Simple installation
- Transmission of meter data by radio to mobile or stationary receivers
- For all types of meters with pulse transmitter or open collector interface
- On-site-programming using IrDa interface
- Storage and transmission of up to three due date values
- Battery powered with a typical lifetime of 15 years



PRODUCT CODES

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Obtain data from Diehl Metering meters



Obtain data from other brands of meters by using the pulse output of the third party pulse emitter.



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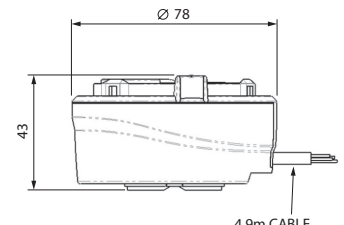
TECHNICAL INFORMATION

IZAR BE PULSE TRANSMITTER

Data update	In real time
Input frequency (pulses)	8 Hz maximum
Pulse duration	30 ms minimum
Resistance - closed contact	150 Ohms maximum
Parallel capacity - closed contact	22 nF maximum
Resistance - open contact	10 MOhms maximum
Standards	2014/30/UE directive I EMC
Alarms	Identical to the IZAR RC i radio module + cable cut
Power Supply	Lithium battery 3.6 V
Battery Lifetime	Up to 15 years*

*Standard conditions of use and temperatures. Theoretical lifetime, not guaranteed.

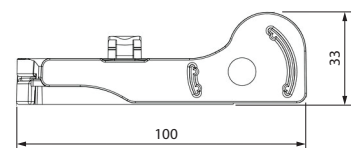
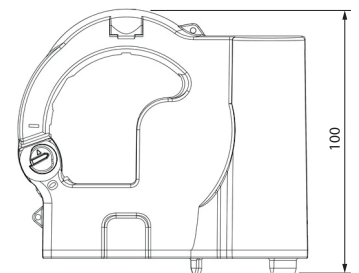
Note: protocol, frequency, radio range, sending intervals and functions are linked to the type of radio module clipped on the IZAR BE PULSE.



IZAR RC i R4 RADIO MODULE

Interface	Optical IrDA
Functions	Current index I Historical index value I Remaining battery lifetime
Alarms management	Leak detection I Meter stopped I Overflow I Underflow I Backflow I Mechanical tampering
Communication protocol	PRIOS
Frequency (MHz)	434.47 (R3 mode) and 433.42 (R4 mode)
Modulation	FSK
Transmission power	10 mW (434 MHz)
Transmission mode	Unidirectional
Radio range	Up to 500 m (R3) and 1.5 km (R4) depending on the environment
Standards	EN 300 220, CE, RED directive, EN 13757-3/-4
Power supply	Lithium battery 3.6 V
Battery Lifetime	Up to 15 years*

*Standard conditions of use and temperatures. Theoretical lifetime, not guaranteed.



AMBIENT CONDITIONS (TRANSMITTER & RADIO MODULE)

Operating Temperature Range	-15°C up to 55°C
Storage Temperature Range	-20°C up to 70°C
Humidity	0 - 100 %
Protection Class	IP68

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1. Due to ongoing Research and Development, specifications may change without notice. 2. Component specifications may change on some export models.
3. Refer to warranty statement for warranty details - www.enware.com.au/warranty