

IZAR BE PULSE

ELECTRONIC ACCESSORY | TRANSMITTER

DIEHL
Metering



APPLICATION

IZAR BASE EXTERNAL PULSE is an adapter for pulse interfaces of meters. The adapter offers the possibility to connect different IZAR compact radio modules with inductive sampling. The combination of the two products composes an external radio module with pulse interface.

The radio readout is used for automated processing of the meter data, in particular in the case of hard-to-reach meters.

FEATURES

- ▶ Easy installation without configuration when the module is already paired
- ▶ Compatible with all the Diehl Metering radio modules with inductive technology
- ▶ Functions as remote module when associated to a 868 MHz, 434 MHz, R4, G4 module...
- ▶ IP68
- ▶ Lifetime up to 15 years
- ▶ Ensures all the functions of the associated radio module

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OPERATING PRINCIPLE

IZAR BE PULSE collects information coming from a pulse emitter or a meter equipped with a pulse output and transmits information to the associated radio module.

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 tablet equipped with an IZAR RECEIVER BT for Walk-by/Drive-by or an IZAR RDC VEHICLE for passive Drive-by. Data is then transferred directly to a centralized monitoring system.

Fixed network:
A fixed receiver IZAR RDC STANDARD/IZAR RDC BATTERY (fixed network R3) or IZAR RDC PREMIUM (long-range fixed network R4 when associated to IZAR RC i R4 or G4) 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 possible as well.

TECHNICAL DATA

IZAR BE PULSE	
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
Alarms	Identical to the clipped on IZAR RC i radio module + cable cut
Standards	2014/30/UE directive EMC
Power supply	Lithium battery 3.6 V
Battery lifetime	Up to 15 years ¹

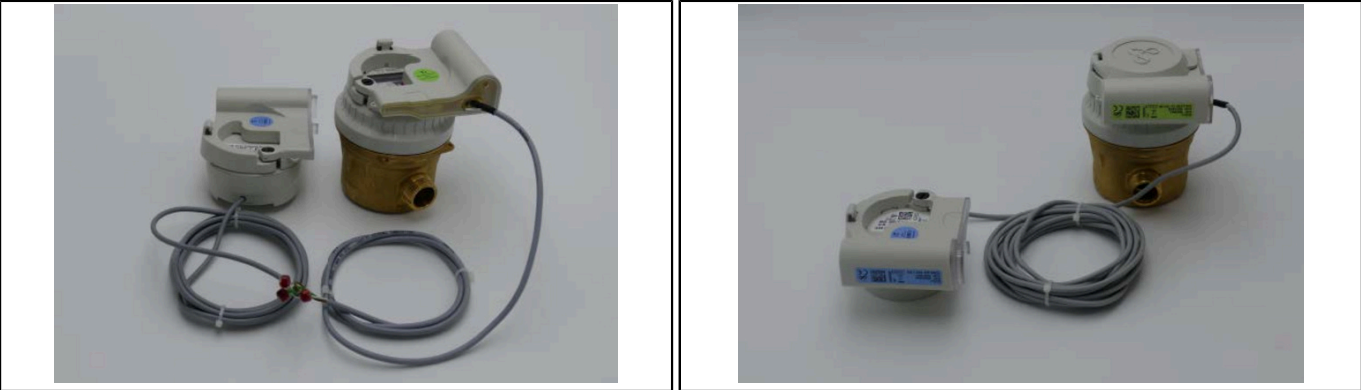
¹for standard conditions of use and temperatures. Theoretical lifetime, not guaranteed.

Note: Protocol, frequency, radio range, transmission intervals and functions depend on the type of radio module installed.

OPERATING CONDITIONS

IZAR BE PULSE	
Ambient operating temperature	°C -15 ... +55
Storage temperature	°C -20 ... +70
Ambient humidity	% 0 ... 100
Ingress Protection	IP 68

APPLICATION EXAMPLE



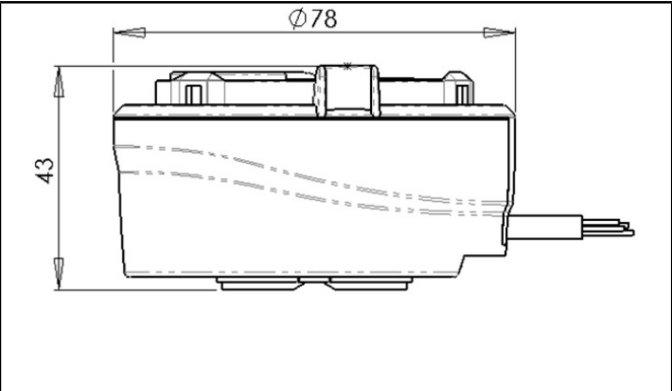
IZAR BE PULSE + IZAR RC i + ALTAIR V4 + IZAR PULSE i

Kit IZAR BE PULSE + IZAR PULSE i + ALTAIR V4 + IZAR RC i

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DIMENSIONS



IZAR BE PULSE		
Length	mm	78
Height	mm	43
Cable length	m	between 2.95 and 3m (due to manufacturing tolerance)
Weight	g	197

KIT IZAR BE PULSE + IZAR PULSE I



Kit IZAR BE PULSE + IZAR PULSE i

IZAR BE PULSE is also available as a factory-assembled kit with an IZAR PULSE i. The cable length can then vary between 4.95 and 5 meters due to the manufacturing tolerance. The kit is IP68 and can be submerged.

For more technical details about the IZAR PULSE i pulse emitter, refer to the IZAR PULSE i datasheet.