

# IZAR BE PULSE

ELECTRONIC ACCESSORY | TRANSMITTER

**DIEHL**  
Metering



## APPLICATION

IZAR BASE EXTERNAL PULSE is an interface designed to be associated to a pulse emitter and a radio module to function as a remote external radio module. IZAR BE PULSE receives information from a pulse emitter such as an IZAR PULSE i and 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 radio link. The lifetime of the module is up to 15 years in standard conditions of use.

## 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 IZAR RC i radio module clipped on it + cable cut
Standards	2014/30/UE directive   EMC
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.

## 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

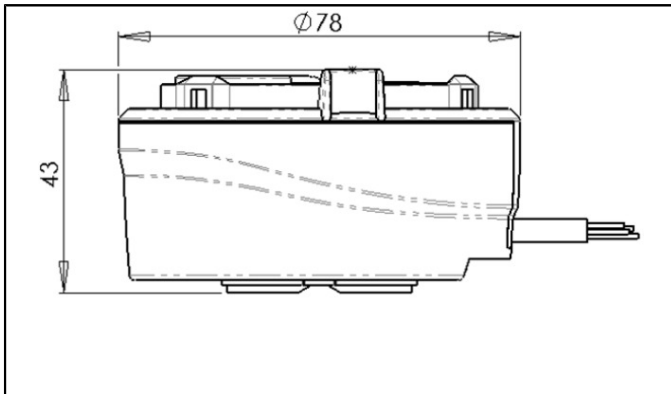


Kit IZAR BE PULSE + IZAR PULSE i + ALTAIR V4 + IZAR RC i

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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.