

IZAR PULSE i

ELECTRONIC ACCESSORY | TRANSMITTER

DIEHL
Metering



APPLICATION

IZAR PULSE i is a pulse emitter that can be clipped onto all the water meters of the Diehl Metering inductive modular range (Ti) making them communicative in a very easy way.

IZAR PULSE i generates pulses to manage the water volume and features fraud alarms. It can be connected to remote reading or consumption analysis systems. IZAR PULSE i features a clamping ring for secured fixing and easy re-mounting on another meter.

FEATURES

- ▶ Compatible with inductive modularity "Ti"
- ▶ 3 and 4-wires versions available
- ▶ Several configurations possible on request
- ▶ Flow direction management
- ▶ Tampering alarms
- ▶ Open collector output
- ▶ Available in dry-contact version, specific pulse weights and 3-output version
- ▶ Up to 15 years lifetime

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OPERATING PRINCIPLE

IZAR PULSE i is a ring equipped with a sensor based on the inductive principle and with a specific electronic system that exploits the information to be transmitted in the form of an open-collector signal (polarised).

The inductive system featured in IZAR PULSE i is actuated using a metal $\frac{1}{2}$ disc located in the Diehl Metering modular register of the water meter.

TECHNICAL DATA

| IZAR PULSE I | |
|---------------------------------|---|
| Cable length | 1.5 m (3-wires version) / 5 m (4-wires version)* |
| Power supply | Lithium battery 3.6 V |
| Battery lifetime | Up to 15 years ** |
| Output | Maximum current values : 50 mA Maximum voltage values : 30V |
| Pulse duration | 50 ... 500 ms |
| Pulse ratio | 1:1 litre 1:10 litre 1:100 litre *** |
| Maximum frequency | Hz 8 |
| Open collector output impedance | > 1M Ω |
| Standards | 2014/30/UE Directive, CE |

* May vary by up to +/- 1.5% due to manufacturing tolerances.

** Standard conditions of use and temperature. Theoretical life, with no guarantee.

*** Other values on request

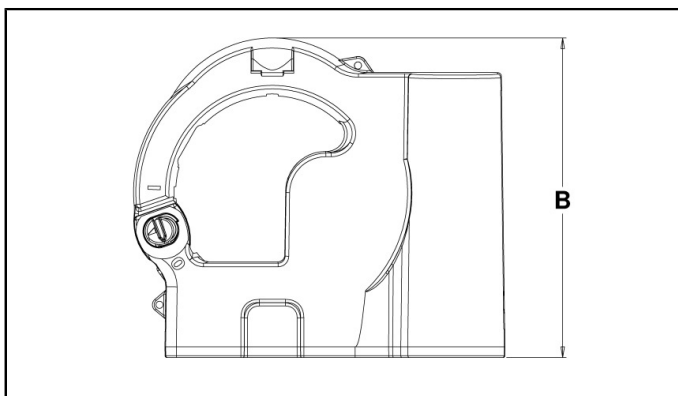
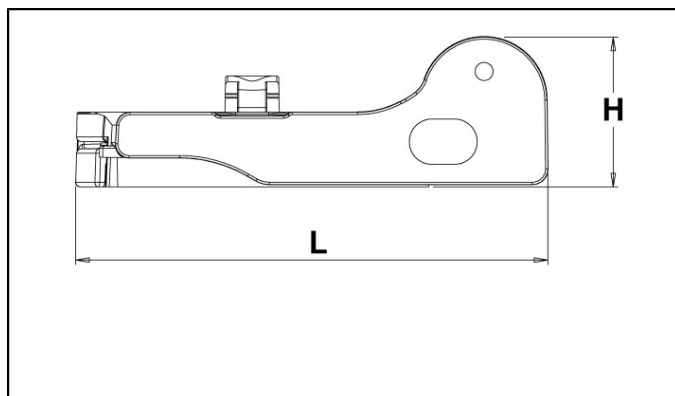
AMBIENT CONDITIONS

| IZAR PULSE I | |
|------------------------------|----------------|
| Operating temperatures range | °C -15 ... +55 |
| Storage temperatures range | °C -20 ...+70 |
| Ambient humidity | % 0 ... 100 |
| Degree of protection | IP 68 |

COMPATIBILITY

| IZAR PULSE I | |
|--------------|--|
| Meters | Diehl Metering inductive modular range "Ti". |

DIMENSIONS



| IZAR PULSE I | | | |
|--------------|---|----|-----|
| Length | L | mm | 100 |
| Height | H | mm | 33 |
| Width | B | mm | 100 |