

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

IZAR PULSE I

PULSE EMITTER

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 ½ 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 | | > 1MΩ |
| Standards | | 2014/30/UE Directive, CE |

 $^{^{\}ast}$ May vary by up to +/- 1.5% due to manufacturing tolerances.

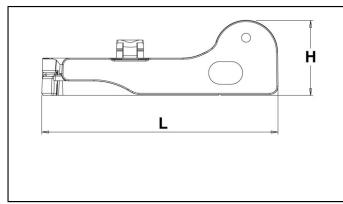
AMBIENT CONDITIONS

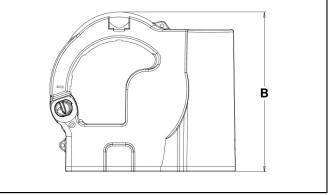
| | | IZAR PULSE i |
|------------------------------|----|--------------|
| Operating temperatures range | °C | -15 +55 |
| Storage temperatures range | °C | -20+70 |
| Ambient humidity | % | 0 100 |
| Degree of protection | | IP 68 |

COMPATIBILITY

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

DIMENSIONS





| | | | IZAR PULSE i |
|--------|---|----|--------------|
| Length | L | mm | 100 |
| Height | Н | mm | 33 |
| Width | В | mm | 100 |

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

^{***} Other values on request