DIEHL
Metering

IZAR PULSE I

ELECTRONIC ACCESSORY | TRANSMITTER



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

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

* 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

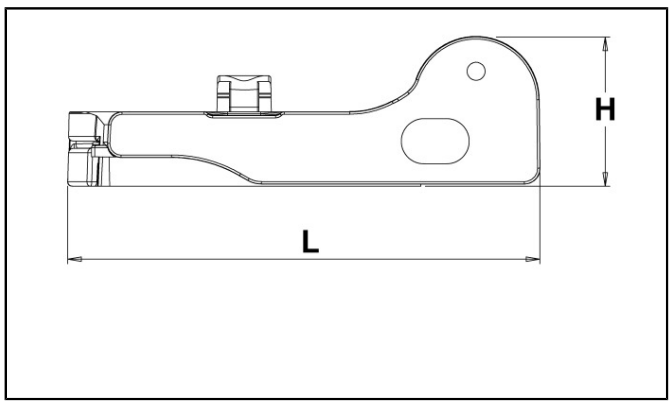
AMBIENT CONDITIONS

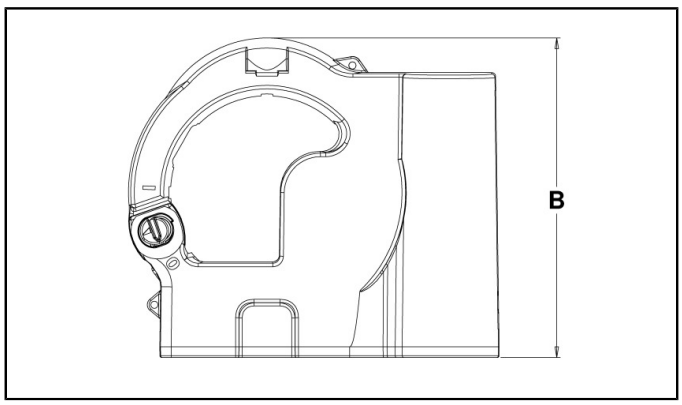
		IZAR PULSE i
Operating temperatures range	°C	-15 ... +55
Storage temperatures range	°C	-20 ...+70
Ambient humidity	%	0 ... 100
Degree of protection		IP 68

COMPATIBILITY

	IZAR PULSE i
Meters	Diehl Metering inductive modular range "Ha+Ti" and "Ti".

DIMENSIONS





			IZAR PULSE i
Length	L	mm	100
Height	H	mm	33
Width	B	mm	100

Economic Actor Information

Applicable regulation and legal obligations for products may change.

DIEHL METERING monitors applicable regulation to ensure their products comply at the date of placing on the market.

Each economic actor making products available on the market thereafter must independently keep informed about the current applicable regulation.

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