IZAR PULSE I

PULSE EMITTER

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 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.
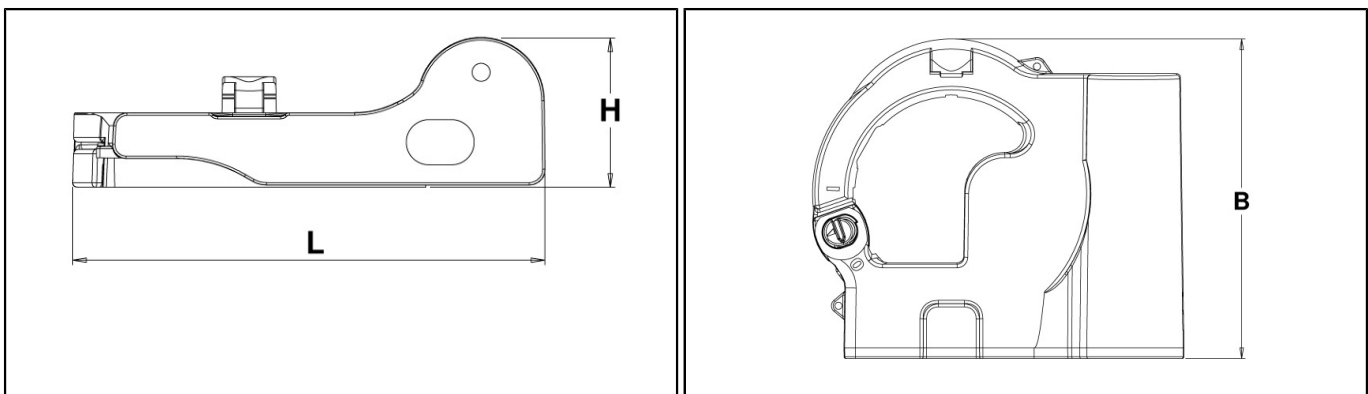*** Other values on request

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 "Ti".

DIMENSIONS

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

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