IZAR RADIO COMPACT HALL

RADIO MODULER

APPLICATION

IZAR RC H radio is designed for remote meter reading. The radio operates under PRIOS protocol at a frequency of 868 or 434 MHz. It is compatible with Diehl Metering modular meters in Hall or mixed version (grey ring).

IZAR RC H is easy to fit and is field programmable with the identification number of the associated meter.

IZAR RC H radio module transmits the meter reading via a unidirectional radio link every 8 seconds. IZAR RC H offers a number of functions (index at anniversary date, remaining battery lifetime, etc.) and alarms (leaks, meter blocked, reverse water flow etc.).

One fixed battery enables independent operation for up to 15 years of standard use.

FEATURES

Compact radio transmitterCompatible with a mixed or modular meter HallAvailable in 868 MHz and 434 MHzIP 68Battery lifetime up to 15 yearsDifferent functions and alarms

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PRINCIPLE OF OPERATION

IZAR RC H includes an electronic circuit that records the data sent by an emitter and stores it in a memory. IZAR RC H transmits the index and other operating data every 8 seconds.

Walk-by/Drive-by :
The IZAR HANDHELD PSION* equipped with an IZAR RECEIVER BLUETOOTH is first loaded with the reading round data. It collects the reading data and directly transfers it to the central computer system.

Fixed network :
A fixed IZAR RECEIVER GPRS/LAN installed in buildings will collect the data from all the IZAR RC H, memorized it, and send it every day through GPRS/LAN to a centralized server.
Reading through MBus application with IZAR CENTER is possible as well.

(*) The IZAR system is compatible with other handheld computers as well. Please contact us.

TECHNICAL DATA

		IZAR RADIO COMPACT
Communication protocol		PRIOS
Frequency	MHz	868 / 434
Modulation		FSK
Transmission power	mW	16
Transmission mode		unidirectional
Radio range		Up to 500 m depending on the environment
Approval		EN 300 220, CE RTTE
Power supply		1fixed lithium battery 3.6 V
Battery lifetime		up to 15 years *

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

AMBIENT CONDITIONS

		IZAR RADIO COMPACT
Operating temperature range	°C	-15 ... +55
Storage temperature range	°C	-20 ... +70
Ambient humidity	%	0 ... 100
Degree of protection		IP 68
ATEX		On request

PROGRAMMING

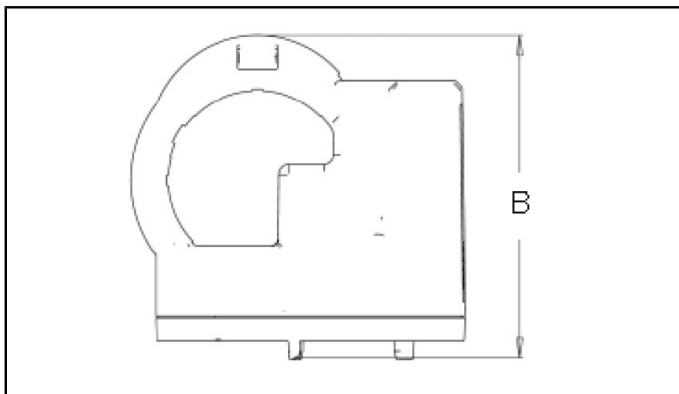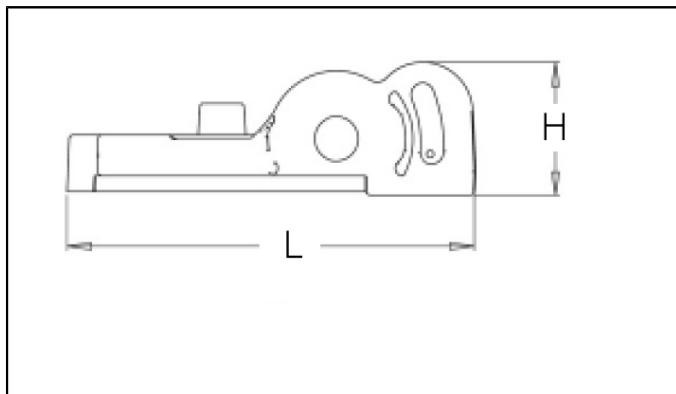|	IZAR RADIO COMPACT
Interface	Optical IrDA
Alarms management	Leak detection; Mechanical and magnetic tampering; Meter stopped; Overflow; Underflow; Backflow; Historical index

COMPATIBILITY IZAR

	IZAR RADIO COMPACT
Meters	Diehl Metering modular range : Pulse weight DN15 to DN40 mm (1 liter) / Pulse weight DN50 to DN100 mm (10 liters)

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DIMENSIONS

			IZAR RADIO COMPACT
Length	L	mm	100
Height	H	mm	33
Width	B	mm	100

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