

IZAR RADIO COMPACT HALL

SAPPEL

RADIO MODULE



APPLICATION

The generation of IZAR RC H radio is devoted to remote meter reading. The radio operate under PRIOS protocol at a frequency of 868 or 434 MHz. They are compatible with Sappel modular meters in Hall or mixed version (blue ring).

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

IZAR RC H radio modules transmit the meter reading via a unidirectional radiolink each 8 seconds. IZAR RC H radio offers a number of functions (index at anniversary date, battery life, etc.) and alarms (leaks, meter blocked, reverse water flow etc.).

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

FEATURES

- ▶ Radio emitter compact
- ▶ Compatible with a modular meter Hall or mixed
- ▶ Available in 868 MHz and 434 MHz
- ▶ IP 68
- ▶ Typical lifetime 15 years
- ▶ Different functions and alarms

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PRINCIPLE OF OPERATION

IZAR RC H includes an electronic circuit that picks up the data sent by an emitter and stores it in a memory. IZAR RC transmits the index and other operating information every eight 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 information 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, memorized it, and send it each 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	1× lithium 3.6 fixed
Typical life	15 years *

* Standard conditions of use and temperature. Theoretical life, with no guarantee. See technical manual NT 079 / NT 084.

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; Index historic

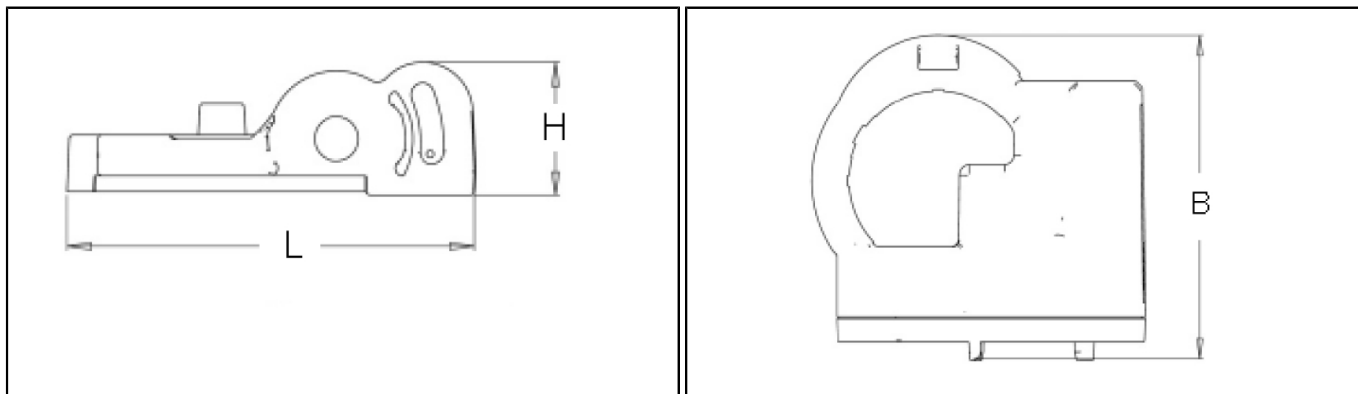
COMPATIBILITY IZAR

IZAR RADIO COMPACT	
Meters	Sappel modular range : Pulse weight DN15 to DN40mm (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