

IZAR RDC STANDARD

RADIO RECEIVER

DIEHL
Metering



APPLICATION

IZAR RDC STANDARD is a Radio Data Concentrator dedicated to the reading of IZAR radio system. Interoperability, data logging, remote configuration and the different versions make it a core product for smart metering project with a multi-utility approach.

IZAR RDC STANDARD is designed for deployment of Radio Fixed Network with automatic data transmission through GPRS or LAN technology.

FEATURES

- ▶ Reading and metering data storage
- ▶ Easy modular installation concept
- ▶ Versions for 100 / 500 / 1000 meters
- ▶ Compatibility with all the IZAR products and Diehl Metering integrated radios
- ▶ Adjustable data logging (5 minutes to 24 hours)
- ▶ Remote and local configuration
- ▶ Secured data transfer to the FTP server (via GPRS or LAN)
- ▶ Central firmware update designed for large deployment
- ▶ Smart data filtering

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PRINCIPLE OF OPERATION

IZAR RDC STANDARD collects the data sent by the IZAR radio modules in various protocols (PRIOS, OMS...) regardless of the type of fluid measured. The radio frames are recorded at defined intervals, using a list or a filtering function (eg water meters only). Meters data are sent to an FTP server at programmable intervals. These data are then processed automatically by a management software. It is possible to modify the setting or to update the firmware of the device via the FTP server.

GENERAL

| IZAR RDC STANDARD | |
|-------------------|--|
| Version | GPRS or LAN |
| Housing | Light grey housing with smart and modular installation concept |
| Possible media | Multi energy (water, heat, gas, electricity...) |
| Antenna | Internal or external |
| Device list | Up to 100 / 500 / 1000 meters |
| Data logging | Adjustable for individual meters (5 min ... 24 h) |
| LED display | 2 LEDs for status display |
| Radio range | Up to 500 m |

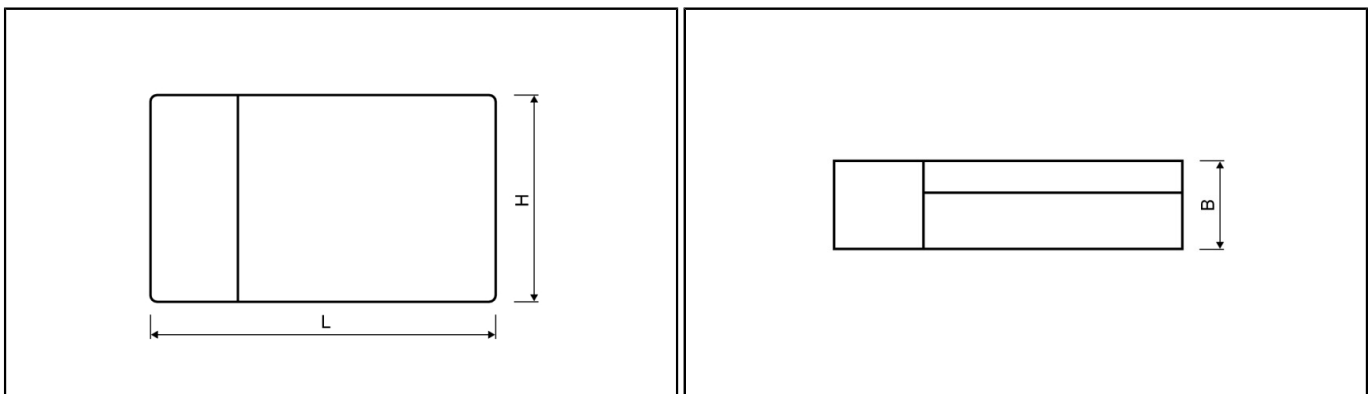
TECHNICAL DATA

| IZAR RDC STANDARD | |
|---------------------------|---|
| Frequency band | MHz 868,95 or 434,475 (OMS, wMBUS [EN 13757-3/-4], PRIOS) |
| Interfaces | LAN, GPRS |
| Logging capacity | > 800,000 telegrams |
| Power supply | V 100 ... 230 |
| Typical power consumption | W 3 |

AMBIENT CONDITIONS

| IZAR RDC STANDARD | |
|-----------------------|------------------------------|
| Operating temperature | °C -20 ... + 65 |
| Storage temperature | °C -25 ... + 70 |
| Protection class | IP 40 |
| Humidity | % 10 ... 70 (non-condensing) |

DIMENSIONS



| IZAR RDC STANDARD | | | |
|-------------------|---|----|-----|
| Length | L | mm | 200 |
| Width | H | mm | 140 |
| Height | B | mm | 50 |