

IZAR RDC PREMIUM R4

RADIO RECEIVER

DIEHL
Metering



APPLICATION

IZAR RDC PREMIUM is the most powerful Radio Data Concentrator of the Diehl Metering product family. It makes wide area fixed networks ready for mass data transmission and network monitoring. With two high-performance radio receivers, state of the art embedded technology and an industrial design, made for harsh outdoor conditions, it contributes significantly to a reduction of concentrator locations and so to a more efficient process. A high interoperability is achieved by the conformity to Open Metering System specifications (OMS).

FEATURES

- ▶ Collection and processing of up to 10,000 radio devices
- ▶ Flexible and multiple data exports to FTP or SFTP server
- ▶ Intelligent telegram filter (water, thermal energy, ...)
- ▶ Compression and encryption for data transport
- ▶ Remote and local configuration and firmware update
- ▶ Automatic time synchronisation via Network Time Protocol (NTP)
- ▶ Lockable housing, suitable for outdoor installation

Line power or power over Ethernet

IZAR RDC PREMIUM R4

RADIO RECEIVER

PRINCIPLE OF OPERATION

IZAR RDC PREMIUM receives radio telegrams according to EN13757 and the Open Metering System specification (OMS) regardless of the measured medium. These are saved on the basis of a filter function (e.g. according to medium or manufacturer). The collected and processed data are exported fully automatic at flexible setting intervals or time points to a (S)FTP server, where IZAR@NET 2 or other systems can load the files for further processing.

GENERAL

IZAR RDC PREMIUM R4	
Version	UMTS (LAN+UMTS+GPRS)
Housing	Light grey housing, lockable
Fluid type	Multi-energy
Antenna	2 External antenna connections
Device list	Up to 10,000 meters

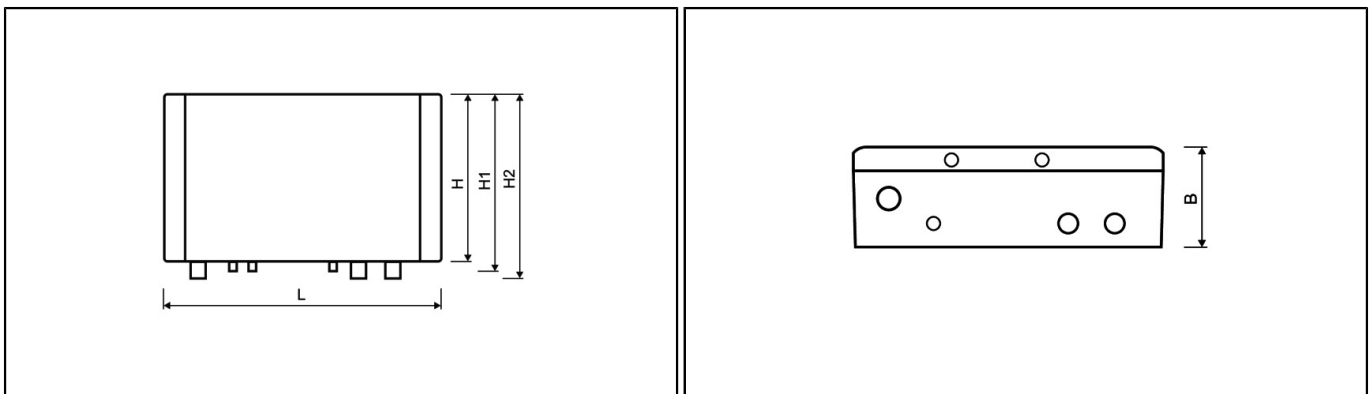
TECHNICAL DATA

IZAR RDC PREMIUM R4	
Versions / Frequency band	868.95 MHz or 434.475 MHz (OMS, wMBUS (EN 13757-3,-4), PRIOS)
Interfaces	UMTS (LAN+UMTS+GPRS)
Power supply	110 V ... 230 V line voltage and PoE (802.11af) / PoE+ (802.11at)
Power connector	CEE 7/7, others on request
Typical power consumption	W Max: 24.2 - Average: 21

AMBIENT CONDITIONS

IZAR RDC PREMIUM R4	
Operating temperature	°C -20 ... +55
Storage temperature	°C -20 ... +70
Protection class	IP 65
Humidity	% 10 ... 85 (non-condensing)

DIMENSIONS



IZAR RDC PREMIUM R4			
Length	L	mm	280
Width	B	mm	91
Height	H	mm	170
Height	H1	mm	180
Height	H2	mm	195