

RDF-L: Remote Data Front-end Light



COMMUNICATION MEDIA

- RS232 half or full duplex up to 57kbaud asynchronous (*)
 - GSM modem (M2M)
 - PSTN modem
 - Wireless UHF with "store and forward" mode
 - Wireless VHF with "store and forward" mode
 - Dedicated audio channel, mono and bidirectional (radio links)
 - Modem baseband (4 wires)
 - GPRS modem
 - CDMA modem
- (*) This media will always be present

BACKUP COMMUNICATION MEDIA

Backup media not available in light series; please see RDF and RDF-ETH models.

BASE UNIT CHARACTERISTICS

- Nr. 8 analog inputs w/ 8 or 10 bit resolution, input voltages from 0 to 5 VDC
- Nr. 8 optically isolated digital inputs 5mA (max 24V) w/ selectable polarity
- Nr. 8 single state output relay, max current 1A @ 24 VCC.
- Nr. 6 internal inputs for auto diagnostic purposes
- Nr. 1 RS232 port for general purposes or modem connection
- Nr. 1 RS232 for PC connection

EXPANDABILITY

On low cost series the RS485 port is not available. Please refer to RDF and RDF-ETH models for additional expansion slots.

SPECIFICATIONS

Motherboard

Processor	RISC 40MHz
Memory	2MB
Master Clock	RTC synchronizable via NetPOD software or GPS or DCF77

Dimensions

Depth	390mm (handles and heat sink included)
Height	2 RU
Width	19"
Weight	8.5 Kg

Power supply

Redundant Power	
Supply	Nr. 2 completely independent power supply units with auto-switch and alarm; an automatic warning message is sent to the control center should one power supply fail.
Power	110 or 230VAC \pm 10% 30VA
UPS	Internal gel battery 12V 6.5 Ah, charged by the RDF. (In the Wireless UHF/VHF configuration, a 40 Ah external battery is used)

I/O Connections

Output	15-pin female connector
Input	25-pin female connector

There are available 1U rack baskets with other kind of connection (PB-RACK)

ORDERING CODES

RDF-L	Remote Data Fronted Light RS232
RDF-GL	Remote Data Fronted Light w/ GSM /GPRS modem
RDF-TL	Remote Data Fronted Light PSTN w/ US-Robotics modem
RDF-UL	Remote Data Fronted Light UHF 403-470 MHz
RDF-VL	Remote Data Fronted Light VHF 136-174 MHz