

## **Model MECH RML** Remote Modem Link

### **Applications**

- Wireless data links for serial (RS 232) Communications with remote instruments
- Appropriate for multiple- access network or simple point to point links
- Supervisory Control & Data Acquisition (SCADA) networks-----Compatible with MECH DASTU and ASCII protocols
- Provides robust, economical point to multi point data links for SCADA installations for Dams and Canals.

### **Features**

- Model MECH RML operate in the VHF / UHF Band.
- RS-232 Communication port
- Long range Transmission--- Up to 100 Km line-of-sight
- Versatile Input voltage 230 VAC/12 VDC
- Compatible with high gain Antennas



### **Description**

The MECH Remote Modem Link converts RS-232 data. The transmission on UHF / VHF is effected by FSK modulation

The model MECH RML is designed for transmission of data from field instruments and control rooms

12 VDC hybrid power is generally utilized for continuous operation of RML under mains power failure

The MECH RML is ideal for permanently installed various field instrumentation systems in harsh environments



**Specifications**

Input Power:	12 VDC or 230 VAC		
RF Output power:	5-25 W		
Battery:	Type	SMF	
	Capacity	65 A-h.	
	Connection	Screw	clamp wire
terminal	Wire size	28-14 AWG	
Antenna Connection	50 Ω UHF male		
Indicators:	LEDs	Power ON. TX RX	
Mechanical:	Material	Alluminium	
	finish(Paint)	RAL 7032	
	Dimensions	438X280X132mm.	
	Weight	4.0Kg. (8 Lbs)	
Environmental:	Temperature	-20° to 60° C	
	Relative Humidity	0 to 90 %.	

**Ordering Information**

**Basic Model**

Model No.	Description
RML_01	For telemetry data link

**Included Accessories**

Part Name.	Description
Serial cable:	Cable RS 232, Link Device to PC, 1m included
Power Cable:	Cable, DC power, 1m included
Serial cable:	Cable RS 232, Link Device to RTU, 1m

**Available Accessories**

Part Name.	Description
OBC_1210:	Isolated 12 Vdc Online Battery charger Powering RML_01 from AC power mains.
OBCS_1210	Online Battery Charger for solar panel input Powering RML_01 from a SMF Battery. Low voltage ac/dc input (solar panel)
OBCH_1210:	Online Battery Charger Dual input Powering RML_01 from a SMF Battery. Ac mains and/or Low voltage ac/dc input (solar )
RB_12-65	12 V Rechargeable Battery for OBC,OBCS, OBCH Battery Chargers.
SP_37:	37 W Solar panel with mounting kit Online battery charger for solar input

