

SDI-RTU

Remote Telemetry Unit

The SDI-RTU is a remote telemetry unit designed specifically for remote environmental monitoring.

The SDI-RTU has pulse and SDI-12 inputs as well as a relay output for control of external equipment. The unit features a NextG modem for transmission of data over the rural GPRS data network.

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The SDI-RTU is a compact, power efficient telemetry unit which is capable of being connected to almost any SDI-12 sensor. It will run from 6V or 12V power and, when on 6V, generates a 12V supply for the attached sensors.

The SDI-RTU is built around a compact DIN rail mount enclosure, giving users flexibility in how the unit is installed: it may be installed indoors on a length of DIN rail or outdoors in a suitable enclosure. TOIP can supply aluminium and plastic enclosures.



The SDI-RTU features an SDI-12 input channel as well as a pulse counter channel for connection to rain gauges or flow meters. An on-board camera port allows connection to the TJCM1 and TJCM2 digital cameras. The unit's relay output may be used to control external equipment.

All connections to sensors are made via screw terminals located within easy reach around the outside of the unit's body. Configuration and testing is achieved via a Mini USB socket situated on the unit's front panel. For convenience, the SIM holder is located on the front panel, as is the socket for the GSM antenna.

The RTU supports a full range of diagnostic commands including the capability to send SDI-12 commands and direct modem commands.

Parameter	Specification	
Power Supply	6 to 16 V DC	
Inputs	SDI-12	For up to 40 measurements
	Pulse	To 50 Hz
	RS232	Dedicated camera input
Outputs	Relay	Isolated dry contact relay output
Dimensions	90 x 70 x 60 mm	
	Weight 150g	



Ordering

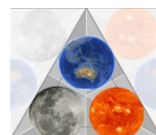
SDI-RTU	SDI-12 Remote Telemetry Unit
ENC-AL-SOL	Aluminium enclosure with solar set and 6V rechargeable battery

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