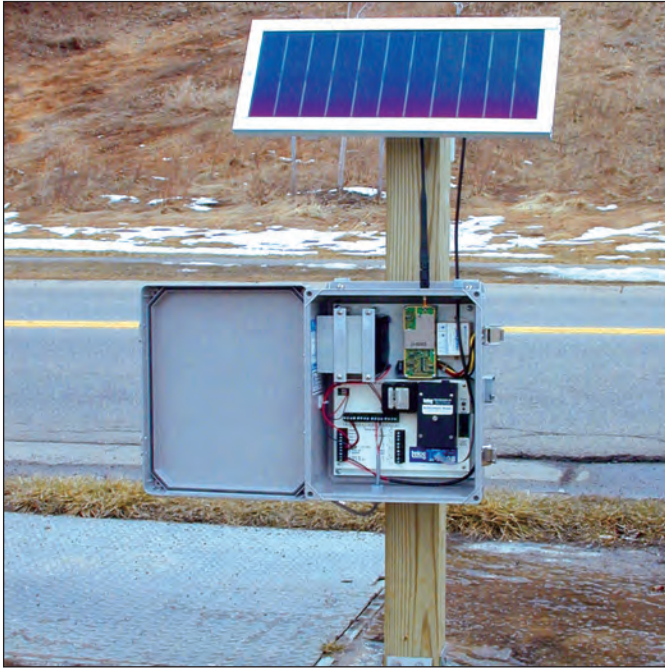


Telog's RS-33 Remote Teloger Unit

Wireless RTU For Above Ground Remote Monitoring



Collecting, analyzing and understanding data from networks of recording sites is a challenging task. Telog's recording system, the RS-33, offers you a versatile, economical and comprehensive solution to keep up with the data acquisition demands of today. The RS-33 is a system package so flexible it can be customized for each application to provide you with the information you need in a concise, presentable format.

The Telog RS-33 includes a multichannel recorder, power source and communications option all packaged within a NEMA 4X rated, environmental enclosure with watertight fittings for sensors, power and antenna connections:

A Multichannel Telog Recorder—your RS-33 system is available with any of Telog's R-33xx multichannel data recorders offering up to eight analog and six digital inputs. See individual R-33xx data sheets and the Telogers product brochure for more information.

Communications Options—excellent communications links with robust data integrity are available between the RS-33 and Telogers for Windows or Telogers Enterprise. Communications options include a simple, direct RS-232 connection of recorder to a laptop or Telog's hand-held data transfer unit; Cellular via Internet; switched circuit cellular; Ethernet; land-line phone; spread spectrum; Licensed radio; satellite.

Power Source—the low power requirements of the RS-33 system permits operation from a choice of utility, solar or primary battery options.

You can choose from a wide range of sensors we have available or ask us to interface with your sensors.

For more information call us at **585.742.3000**, email **TelogSales@telog.com**, or visit us at **www.telog.com**.



Some Remote Monitoring Applications:

- Tank Level
- Pump Station Performance
- I&I Studies
- Distribution Pressures
- Rain Fall

Communicate Via:

Cellular via Internet:

- 1xRTT
- HSPA

Supported Cellular Networks

- Verizon Wireless
- Sprint
- Bell Canada

Ethernet

- LAN
- WAN

Satellite

Spread Spectrum Radio

Licensed Radio

Telephone

Hand Held Data Transfer Unit

Powered By:

- 120/240 AC with battery backup
- Solar panel with battery backup
- Battery Only

Specifying an RS-33 Telog Recording Telemetry Unit

1. First, Select a Recorder

R-3303	3-channel recorder Three digital input channels
R-3307	7-channel recorder Four analog and three digital input channels
R-3308	8-channel recorder Five analog (one dedicated to ambient temperature) and three digital input channels with pulsed sensor excitation
R-3314	14-channel recorder Eight analog and six digital input channels
R-3330	30-channel recorder Eight analog, six digital and 16 alarm/event input channels

2. Next, Select a Communications Option

T24	2400-baud telephone Modem
1xRTT	Cellular Packet Modem
HSPA	High Speed Packet Access
eNET	Ethernet Communication Module

3. Specify a Power Source

B10A	10-amp-hour alkaline battery pack
B10L	10 amp-hour lithium battery pack
ACP	120 VAC-15VDC plug-in power supply
AC12	120/240 VAC to 12 VDC panel mount power supply
AC12B4	AC to 12 VDC with battery backup
AC24	120/240 VAC to 24 VDC panel mount power supply
S5/4	5 Watt solar power with 4 amp-hour rechargeable battery

4. Enclosure

E1 Enclosure	NEMA 4x Hinged Lid Enclosure with panel. Nominal size 13"L x 11"W x 6"H with five water-tight fittings and two bulkhead connectors for local communication and antenna.
E2 Enclosure	Same as E1 except size 16"L x 13"W x 7"H.

5. Specify a Product Model Number

RS-33xx-Communications-Enclosure-Power Option
Example: RS-3308-1xRTT-E1-B10A



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IBM® is the registered trademark of International Business Machines.

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The RS-33 Recording System

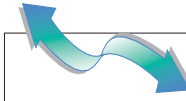
Powered By:

AC
Solar
Battery



Recording:

I&I Pump run-time
Level Motor run-time
Flow Rain fall
Pressure Temperature
Steam Relative Humidity

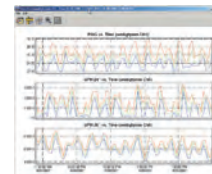


Communicate Via:

Hand-held DTU or laptop
Telephone
Cellular Radio
Satellite

Reporting Simplified

Alarm call-in
View real-time readings
Scheduled call times
Alarm paging



Telogers Enterprise System

Gives total control over remote data acquisition throughout your system. Remote data accessible via your desktop 24/7/365.

Telogers for Windows:

Channels from recorders located throughout a network may be viewed together for easy comparison and data analysis.