



Telog Ru-32/32m

WIRELESS MULTI-CHANNEL RECORDING TELEMETRY UNIT FOR UNDERGROUND MONITORING

UNDERGROUND MONITORING IN HARSH ENVIRONMENTS

The Telog Ru-32 and Telog Ru-32m provide real-time monitoring and alarming of pressure, flow sensors and meters found in harsh environments typical of water distribution and wastewater collection systems such as underground water vaults. When you combine the Telog Ru-32 or Telog Ru-32m RTU with a Trimble Telog software option, you have a powerful system of wireless water infrastructure monitoring that is consistently delivering real-time data from the field straight to your desktop. Imagine.....all your data on one platform straight to your computer screen.

Sensor Support

The Telog Ru-32 is a versatile five channel RTU that can be supplied with one or two pressure sensors and can interface up to two digital inputs (pulse and/or event), and one analog voltage or potentiometer input. The Ru-32m includes all the functions of the Ru-32 and adds two additional inputs for capturing the encoded register reading of single or dual water meters such as master meters and compound meters.

Wireless Communication

The Telog Ru-32 and Telog Ru-32m employ a Telog proprietary, low power m2m cellular modem certified for operation on the Sprint, Verizon Wireless and Bell Canada cellular networks.

Collecting Data

The Telog Ru-32 and Telog Ru-32m may be configured to call their host application on a schedule (e.g. once per day; every four hours, etc.) and/or in response to site alarm conditions (e.g. high or low pressure or level exceedance). The recorder can sample the sensor up to four times/second and store the data statistics (minimum, average, maximum or totals) at user defined intervals.

Data may be stored in the recorder at user defined intervals (e.g. five minutes, one minute, etc.) without concern for data loss because the recorder will store from up to 80,000 values before overwriting the oldest data.

Packaging

The cellular modem, data recorder and battery are integrated into an IP67 rated, environmentally rugged enclosure weighing three pounds and measuring 8 x 8 x 4 inches (L x W x H). The unit is provided with a panel mount TNC coax connector and will support a variety of certified antennas. All connectors and fittings are watertight and the product is environmentally rated IP67 to 9.8 feet (three meters) of depth.

Power

The Telog Ru-32 is battery powered and uses a single, user replaceable 3.6-volt Lithium 'D' cell battery providing an operating life of up to five years depending on the user-defined call schedule. A five year battery life example would be sampling two pressure sensors every 10 seconds and water meter registers hourly and transferring data to a host server on average twice per day. The recorder can also be connected to optional, customer supplied DC or solar power.

Software Support

Trimble Telog wireless recorders are compatible with all Telog software applications, including Telog Online (cloud), Telog Enterprise and Telogers for Windows application software. This ensures that utilities have a complete solution addressing all their remote monitoring requirements delivered in a manner that suits each individual utility's operations and IT needs.



Applications

Telog Ru-32

- ▶ Pressure monitoring
- ▶ Underground water level monitoring
- ▶ Mag meter monitoring
- ▶ Pressure reducing valve (flow and pressure) monitoring
- ▶ Pressure relief valves

Telog RU-32m, all above applications and:

- ▶ Single or dual water meter monitoring
- ▶ Meter register input monitoring

Benefits

- ▶ Monitor and optimize water and site operations and compliance
- ▶ Real-time situational awareness on overflows and high/low level events
- ▶ Choice of battery or external power

Features

- ▶ Wireless communication via cellular
- ▶ Alarm notification
- ▶ Time stamped events
- ▶ User programmable
- ▶ IP67 Rating

