Telog iLR-32A

WIRELESS, BATTERY-POWERED PROCESS MONITOR

LOW POWER, LOW COST WIRELESS COMMUNICATION DATA RECORDERS FOR CURRENT LOOP RECORDING MONITORING

When you combine the Telog iLR-32A current loop recorder and Telog Online, or Trimble Water Unity cloud solution, 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.

Wireless Communication

The power of every 32 series recorder from Trimble Telog is wireless data transfer capability. Using cellular technology enables unmanned monitoring of remote sites as well as instant updates and alarm notifications. The iLR-32A uses a low power, LTE/Cat 1 cellular communication modem certified on Verizon Wireless. Additional communication options are also available on request.

Collecting Data

The Telog iLR-32A may be configured to call its server application on a schedule (e.g. once per day; every four hours, etc.) and/or on alarm. 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 over 82,000 interval totals before overwriting the oldest data.

Packaging

The cellular modem, antenna, process signal conditioning, data recorder and battery are integrated into a small IP68 rated Nema 6P enclosure for a combined weight of 2.5 pounds and measuring 4"L x 4"W x 3"H [102 mm L x 102 mm W x 76 mm H].

Battery Powered

Powered by a single user replaceable BP-4 lithium battery pack, the Telog iLR-32A continuously monitors the output of process instrumentation and supplies the data in user defined time increments then transfers the data automatically over a cellular network to the cloud or to a central host computer. The Telog iLR-32A can operate up to five years making on average one call per day.

Software Support

The Telog iLR-32A is compatible with all Trimble software applications, including Trimble Unity, 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.

Application

- Remote monitoring of current loop (e.g. 4-20mA) output of a meter or process instrument

Benefits

- Monitor processes/conditions at remote sites
- Real time situational awareness and alerting of remote events

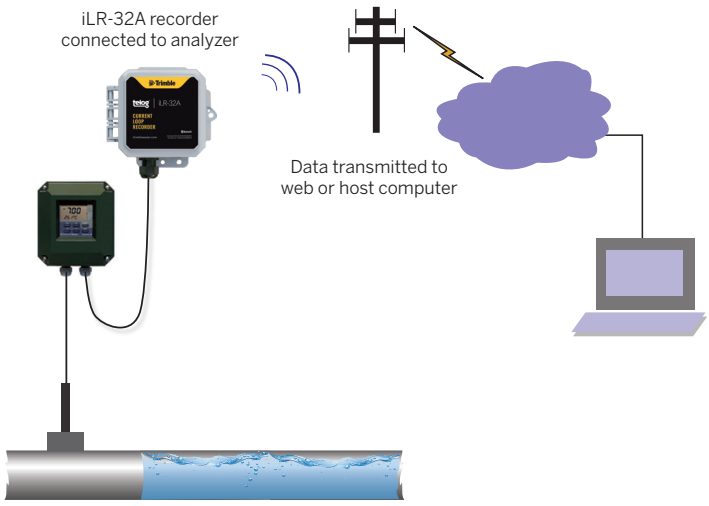
Features

- Wireless communication via cellular (LTE)
- Alarm notification
- Time stamped events
- User programmable
- 5 year battery life
- IP68 Rating

Telog iLR-32A SPECIFICATIONS

RECORDER MODEL: Telog iLR-32A

Type	Single channel current loop recorder with integral cellular modem and antenna
Input	
Range	4-20 mA standard; other ranges available on request
Resolution	0.025% of full scale (12 bits)
Accuracy	±0.1% of full scale (32 to 140°F) ±0.15% of full scale (-13 to 140°F)
Loop resistance	105 ohms
Maximum input	5 VDC across input; auto-resettable fuse protected
Connection	2 position terminal block for flying leads via water-tight fitting
Recording	
Sample rate	4 per second to 1 per 8 hours; programmable
Clock accuracy	0.01%
Memory size	128 kbytes; 82,000 data values
Storage method:	Wrap around (first-in; first-out)
Communication	
Local RS-232	4 pin circular connector rated IP-68 Auto-selected baud rate to 19.2 kbaud
Cellular	Internal Telog WM2/L1 cellular modem LTE Category 1 certified Verizon Wireless FirstNet available in the USA.
Local Bluetooth BLE 4.1	
Battery	Factory installed, field replaceable Telog BP-4 lithium battery pack
Battery Life	5 years nominal 2 data calls/day (@ very good to excellent signal strength)
Enclosure	
Size	4"L x 4"W x 3"H [102 mm L x 102 mm W x 76 mm H]
Weight	2.5 lbs. [1.2 kg]
Material	Polycarbonate
Environmental	
Temperature	-40 °F to 158 °F [-40 °C to 70 °C]
Rating	NEMA 6P (IP68)
Support Softwares	
S-3PC	Telogers for Windows® 6.51 or later
S-3EP	Telog® Enterprise 6.51 or later
DHS-Service	Telog Online
TW-UNITY	Trimble Unity



ADDITIONAL APPLICATION SOLUTIONS FROM TELOG

LEAK DETECTION MONITORING

- Reduce main bursts
- Fixed solution, continuous monitoring
- Mobile solution, trace & poinpoint leaks
- Easy to install, easy to use
- Correlation technology to minimize false positives
- LTE Wireless, cellular communication

PRV MONITORING

- PRV inlet/outlet pressure
- PRV differential pressure
- PRV valve position sensor
- Computed flow
- LTE Wireless communication through buriable antenna

PRESSURE MONITORING

- Reduce leakage and main bursts
- At hydrant or in pipe
- Improve customer service and response time
- Monitor and optimize water supply and operations
- Reduce pumping and energy costs
- LTE Wireless, cellular communication

Specifications within this brochure are subject to change without notification.

NEW YORK OFFICE
Victor, New York, USA

CALIFORNIA OFFICE
Irvine, California, USA

IRELAND OFFICE
Mahon, Cork, Ireland

TrimbleWater_ContactUs@trimble.com
www.trimblewater.com
888-835-6437

Trimble

telog® BY TRIMBLE