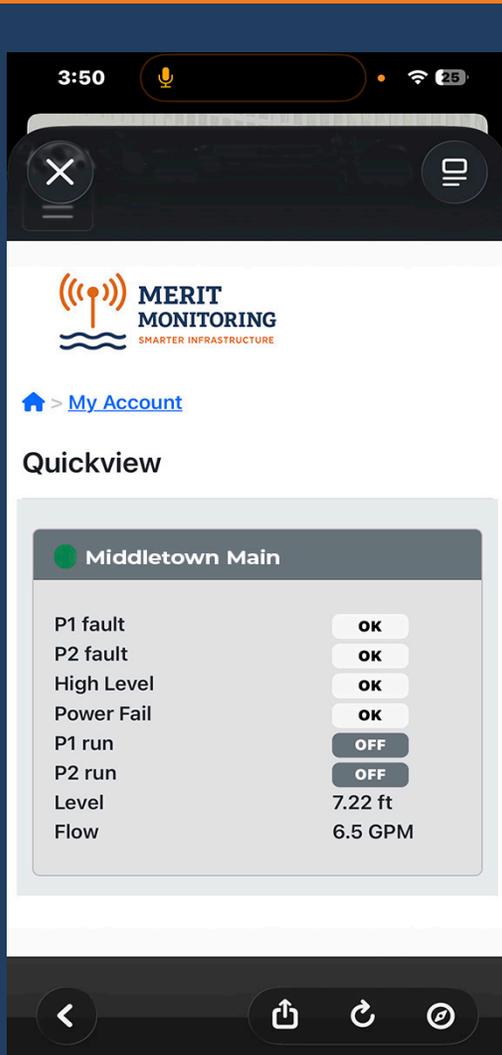# MERIT MONITORING
SMARTER INFRASTRUCTURE

Make your system smarter!

Get Sentinel's real-time remote pump station monitoring and alarm technology for water and wastewater equipment.

A powerful, cost-effective alternative to expensive SCADA and auto-dialer systems. Designed for **municipal, utility, and industrial water and wastewater operations**.

SENTINEL MONITORING CAPACITY*

- High-level alarms
- Pump failure
- Power
- Pump status (pumps 1 and 2)

* Add-on features are available with Sentinel+ unit; please see reverse.

WHAT YOU'LL GET WITH SENTINEL

- Live, instant system updates with no delay or lag time.
- Real-time alarms and notifications by text/phone/email.
- User-friendly dashboard views of all sites in one location. Unit dashboard with detailed data by site.
- Remote access to historical data, events, and activity.
- Multi-user access with flexible log-in and access settings. Customizable contacts, groups, and escalation settings.
- Dual cellular and WiFi connectivity with multi-carrier redundancy and global SIM. Bluetooth compatible.
- A+ data security exceeds average C grade for SCADA.
- Optional MODBUS RS485 boards for added inputs/ outputs and controls.
- Easy installation for quick and scalable site deployment.
- Compatible with standard sensors for pressure, flow, and level.
- Limited lifetime warranty with fast technical support.

The Sentinel transforms complex, costly SCADA systems into **smarter infrastructure for affordable, future-ready use**.

REDUCE COSTS | **IMPROVE** COMPLIANCE | **EXTEND** EQUIPMENT LIFE

Industrial-grade components; hardware, firmware, and software **engineered, manufactured, and distributed in the USA.**

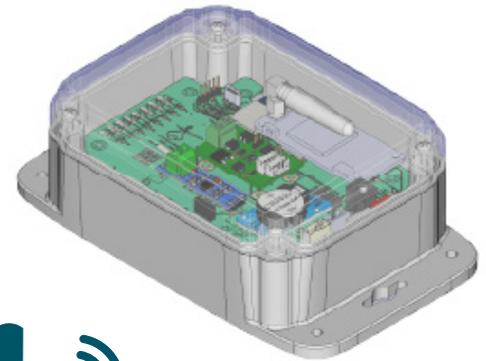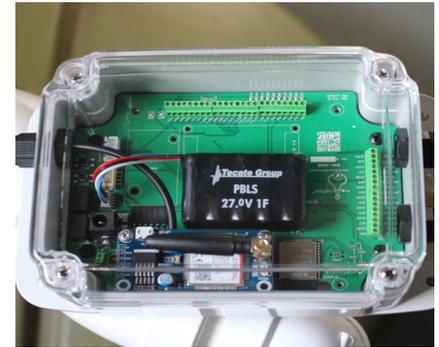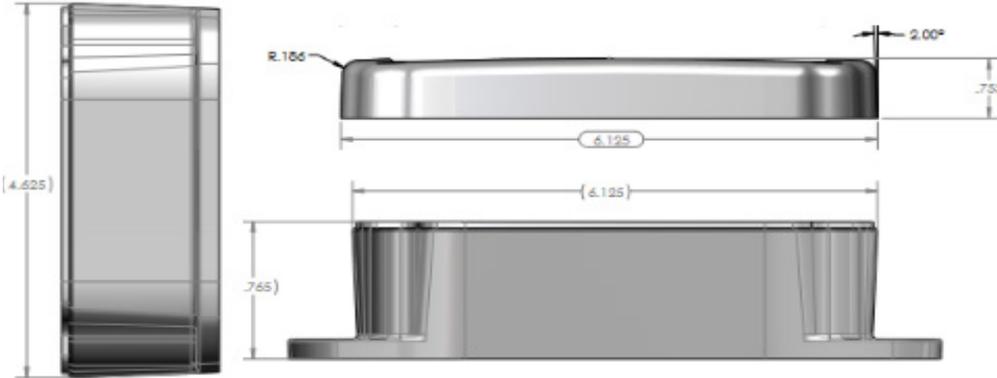MERIT MONITORING
SMARTER INFRASTRUCTURE

STANDARD SENTINEL

- Four (4) digital inputs
- Supercapacitor back-up
- One (1) power fail

SENTINEL+ UPGRADE

- Everything listed above
- Up to seven (7) digital inputs
- Up to four (4) analog inputs
- Up to two (2) digital outputs

MECHANICAL	
Base	Polycarbonate
Cover	Polycarbonate
Gasket	Continuous silicone
Assembly screws	Stainless steel
NEMA rating	1, 2, 3, 3R, 3RX, 3X, 4, 4X, 5, 6, 6P, 12, 13
IP equivalent	IP65, IP66, IP67, IP68

ELECTRICAL	
Power	85–265V AC power consumption; max. 15 watt 24V DC + 10% power consumption; max. 15 watt
Environment	-20 to 60° C (-4 to 140° F)
Digital inputs	Dry contact to ground

TALK TO COVALEN.

If it can be measured, we can help you monitor and track it.

Contact us for a free on-site consultation, product demo, and price quote.

Advantages of the Sentinel compared to traditional SCADA legacy systems:

- Requires less on-site infrastructure, fewer updates, and has lower maintenance costs.
- Scalable, flexible technology integrates with existing infrastructure and grows with you.
- Streamlined dashboards built on direct operator feedback match real-world workflow.
- Accurate, automated reporting to stay compliant, avoid fines, and maintain community trust.
- Substantial savings over SCADA and auto-dialer systems.