

AlarmAgent™



Real-time data. Remote access. RACO reliability.



Astec offers the AlarmAgent by RACO for tank farm monitoring. This triple-redundant system ensures both a constant connection and a fail-safe operation. Should an incident occur, it will send notifications through multiple channels. It also provides reliable connectivity across 90% of North America.

Real-time Wireless Remote Terminal Units (WRTUs) are offered in two different models:

AA-402NEMALTE: WRTU with NEMA 4X enclosure and phantom antenna

AA-402ILTE: WRTU with NEMA 1 enclosure



Totally Wireless RTU

Easy to install. Goes where landlines can't. 99% availability across North America. No hassle service contracts, and remote site surveys available upon request.



Robust Monitoring & Control

Designed with eight digital and two universal inputs, and two relay outputs. Receive reported events and status of all channels in real-time.



On-Demand Custom Reporting

System alarm and status reports, including battery charging/discharging status. Customize data exports for complex fields like level monitoring and pump run-times.



Reliable Communication

Triple redundant, secure website links WRTU with the AlarmAgent.com system. Secure, 24/7 access with multi-factor authentication enabled.



Straightforward User Interface

Immediate status updates for a number of functions, including but not limited to: signal strength, transmission, local service registration, armed/disarmed status, etc.



Over-the-Air Updates

RACO administrators can push system upgrades to units without downtime. Allows users to update their WRTU's firmware remotely – no need for a field visit.



Alarms Any Time, Anywhere

Instant alarm notification and acknowledgement by voice, SMS, and email. Set who gets notified and how on a global, input, or condition basis.



Application Templates

Easy remote or local configurations. Process agnostic monitoring with purpose-built heater and tank templates for asphalt and aggregate applications.



Predictive Maintenance

Stay ahead of faults and downtime by using the AlarmAgent's "Hours Until Maintenance" alarm to know when your equipment needs to be serviced.

Alarm

Receive instant alarms at the point of failure via call, text, and email to whomever should be notified.

Your team will receive immediate alarms at your operation's point of failure. The AlarmAgent monitors digital and analog signals, and your alarms can be set for whatever your application may be. Know that whatever your process is, RACO ensures it runs without interruption; either set your own monitoring points or use the AlarmAgent's preconfigured. Program your unit's alarm conditions from AlarmAgent.com. Set notification groups, channel trip delays, and even scale your analog measurements without being in front of your unit.

**ALARM
AGENT**

Analyze

Use your WRTU as a field data logger and seamlessly integrate information into an online portal.

If alarming your equipment isn't enough, use RACO's data visualization tools to gain keen insight into your equipment and its performance. The AlarmAgent is designed to take your data from the field and consolidate it in one place, display it with an easy-to-use interface, and export it in a readily accessible format if needed. From tank level monitoring to heater temperature monitoring and beyond, the AlarmAgent is your one stop shop for all operational data.

RACO's proprietary algorithm allows users to calculate hours until needed maintenance and display that information in one portal. View your units' performance data and your equipment's operational data in real time.

Integrate

Bring your data from your WRTU into your control room and on your SCADA screen with RACO's SCADA Connector.

You can combine the power of the AlarmAgent monitoring and control system with your SCADA system via the MQTT protocol. Seamlessly exchange and display the data your AlarmAgent WRTU collects in remote locations with your SCADA screen. Our SCADA Connector empowers customers to monitor and control their WRTUs with any SCADA system using the MQTT protocol.



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