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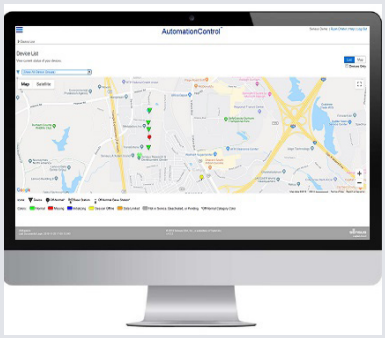
Data Sheet
DDS-10005-14

AutomationControl

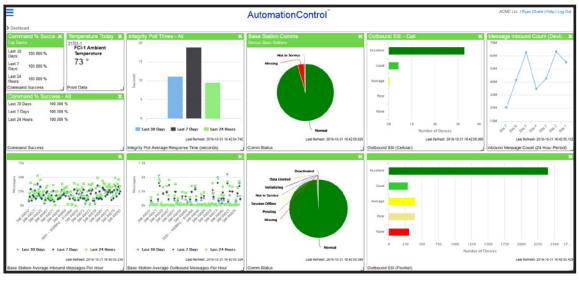
Intelligently Control and Manage Your Distribution System



AutomationControl™ is a browser-based Software as a Service solution for real-time management of distribution and SCADA system assets. Through this platform, utilities can control intelligent communication devices over the FlexNet® communication network, AT&T 4G LTE cellular network, Verizon 4G LTE cellular network, or a hybrid of the three. As a 100% Highly Available platform with zero single points of failure, AutomationControl gives utilities the reliability, performance, and insight needed to effectively manage critical infrastructure.

Benefits

- Enables remote monitoring and control for distribution assets
- Integrates hardware, software, and communications networks
- Works with legacy systems and uses industry standard network SCADA protocols like DNP3 and Modbus



Automation Control Dashboard

User-friendly dashboard

Distribution, operations, maintenance and management personnel all appreciate the intuitive AutomationControl interface. The dashboard provides a real-time snapshot of system performance—turning low-level insight into high-level consumption.

Individual users are able to easily tailor the dashboard to see system performance at a glance, identify potential problems, and track key performance indicators. AutomationControl's interface visualizes your system, devices, and network to simplify what was once complex.

Grid edge automation

With AutomationControl, utilities are able to securely control any distribution asset and deploy a deeper level of intelligence down to the edge. For example:

- Electric utilities can control and automate reclosers, capacitor banks and more to quickly isolate grid faults—minimizing the effects of an outage.
- Water utilities can automate pumps and proactively manage tank levels and distribution pressures to ensure water is at the highest quality levels.

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Features

- Real-time status of devices, IEDs, communication networks, and points
- Remotely control or automate operations based on logical conditions
- Configurable dashboard to easily visualize key performance metrics
- Displays device locations and statuses geographically
- Edge processing reduces data plan costs and improves network performance
- Provides FlexNet and cellular network management tools
- View historical data to easily detect anomalies and triage issues
- Robust security with password requirements, multi-factor authentication, auditing, and configurable user rights

Additional packages

Each of these unlock additional functionality on top of the AutomationControl core offering.

- SCADA-Xchange™
- Google Maps™
- Extended Dashboard,
- Extended Data History
- Profiles

Programmable Routines

To leverage automation, users can program autonomous routines and commands to occur in the field. Intelligent field devices are then able to take action without having to wait for a utility operator to issue a command. If an action fails for any reason, the system has been designed to send notifications to a set of users. By leveraging edge intelligence and the automation functions within the platform, you are able to improve reliability, safety, and ultimately efficiency.

Complement to SCADA

AutomationControl integrates seamlessly with your SCADA system. SCADA operators are able to manage outstations from their existing distribution system without any apparent changes to their standard processes and other utility personnel now have the system visibility necessary to benchmark and measure performance within their scope. This relationship between SCADA and AutomationControl gives operators a deeper level of communication insight and an easy way to incorporate additional automation capabilities.

AutomationControl package

As part of the AutomationControl package, several additional software components are provided for users to complete their diagnostic toolkit and help manage the distribution grid more effectively. The following software modules are included:

Sensus Local Configurator

Provides a way to locally connect to a device, monitor signal strength, and adjust radio settings. This enables easy troubleshooting of IED connections, including the raw point values of the Sensus intelligent distribution automation field devices, log file retrieval, and firmware updates.

IED Remote Connect Client

An interface to connect remotely to an IED through a Sensus RTM II, RTM II+, or RTMx. It creates a virtual serial connection to FlexNet or cellular enabled distribution devices in the field, allowing users to interact with third party software as if directly connected to the IED. This advanced functionality saves the cost of the site visit and leverages the power of our platform and network.

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Let's Solve Water