

MONITORING SERVICES FOR MICRO-AT® SOURCE TRANSFER CONTROLS



REMOTE MONITORING SERVICES

OVERVIEW

Micro-AT Source-Transfer Controls are applied at thousands of S&C Metal-Enclosed Switchgear and source-transfer Pad-Mounted Gear installations around the world to initiate automatic source transfer if preferred-source voltage is not within user-defined limits.

To provide world-class support for users of this gear, S&C offers a 24/7 remote monitoring service for Micro-AT Source-Transfer Controls. This service is ideal for users seeking the highest level of assurance for their critical loads.

Fast Troubleshooting

Technical experts at S&C's Global Support and Monitoring Center in Chicago monitor up-to-date and historical information on the operational state of your Micro-AT controls as well as the voltages and currents of the sources serving the switchgear. See Figures 1 and 2 on page 3. They will alert you—by phone, email, or text message—if these parameters are not within specified limits and will create a customer case should assistance be required.

The real-time and historical information S&C compiles through ongoing monitoring of your Micro-AT Controls can eliminate the need for a field-service visit, greatly reducing the time required to analyze and resolve issues. S&C will provide you with a monthly report detailing the Micro-AT control operation and other performance data as well as the historical performance of the associated sources. You can also view this information in real time on your own secure internal network or Internet-enabled devices.

Secure and Economical

S&C's remote monitoring service provides network security in two ways. First, the service does not—and cannot control your S&C Metal Enclosed Switchgear or sourcetransfer Pad Mounted Gear. In addition, communication uses a secure wireless carrier's virtual private network. Using the secure wireless network also eliminates the need for a costly fiber-optic or wired connection.

REQUIREMENTS

To provide remote monitoring for your Micro-AT controls, we'll need to update each control with the latest CPU and communication cards. And we'll need to install a cellular modem, a 120-Vac power supply, and an antenna on the switchgear. Access to the local Verizon 4G LTE network is required. The ambient temperature at the installation must be in the range of $-30^{\circ}C$ ($-22^{\circ}F$) to $+70^{\circ}C$ ($+158^{\circ}F$).



24/7 VISIBILITY



Figure 1. The System Status screen.

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Portfolio Operations		Discret	te Inputs	Discrete Outputs	Not Ready List	
Help	_	supervisory auto manua	I right super trip open	left run motor	Right Not Coupled	
Support		left open	☐ right super trip close	right run motor	Left Not Coupled	
About		left_closed	right charged to open	left steer to open	Bus Tie Not Coupled	
Log Out		left_counled	right charged to close	left steer to close	Right Not Closed	
Live View		left trip open	right capacitor charged	right steer to open	Right Not Open	
Site Info		left trip_open	☐ right_capacitor_charged	right_steer_to_close	Left Not Closed	
My Dashboards		left_door	☐ right_external_reset	left operator trip	Left Not Open	
Micro AT System		left_couttor	tia gwitch open	right operator trip	Bus Tie Not Open	
Micro AT Discrete Details		left kov	tie_switch_open	tia apprator trip	Bus Tie Not Closed	
Event History	_	left cuper trip open	tie_switch_coupled	O de_operator_crip	Right Door Not Latched	
Data 🔺		left_super_trip_open	tie_switch_coupled		Left Door Not Latched	
Data Download		left_super_trip_close	tie_switch_trip_open		Bus Tie Door Not Latched	
Analyzer) left_charged_to_open	tia gwitch_door		Right Shutter Not Latched	
Timeline		left_cnarged_to_close	tie_switch_door		Left Shutter Not Latched	
Summary		left_capacitor_charged			Right Key Unlocked	
Мар		left_external_reset	tia super trip class		Left Key Unlocked	
Reporting		right open	ue_super_uip_close		Bus Tie Key Unlocked	
My Account		right_open			Unbalance Detection Off	
Settings		right_clused			Remote Not in Auto	
Maintenance A	_) right_coupled			Panel Not in Auto	
Site Setup		/ right_trip_open				
Customer/User Setup		right_door			Tank Proce Good	
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Figure 2. The discrete inputs and outputs.



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