

Automatic Source Transfer-5335 Control System Module

Product Features

- Monitors Voltage and Frequency of two different power sources
 - Utility, Generator, or any combination of both
- Dust tight and splash proof (from any direction) front panel and Human Main Interface (HMI)
 - Rated IP65/NEMA 12
- HMI with backlit LCD Display and menu navigation buttons
- LED and LCD alarm indication
- Real time clock
- Line-Line or Line-Neutral voltage sensing*
- Multi-Function Metering for each source:
 - Voltage, Current, Frequency
 - Power Functions (KW, KVA, KVAR, PF)
 - Energy Monitoring (KW-Hr, KVA-Hr, KVAR-Hr)
- Configurable priority and control of sources
- Configurable status display LED's*

*Application dependent



Figure 1: ATS-5335 Control System Module Close-up

Product Optional Features

- Remote monitoring capability (Modbus RTU via RS485 and Modbus TCP/IP Ethernet)
- Dry contacts for various alarm and status conditions
- Dry contacts for load shedding

Product Information & Options

Operating Temperature:	-22 °F to +158 °F (-30 °C to +70 °C)	
Storage Temperature:	-40 °F to +176 °F (-40 °C to +80 °C)	
Configurable Timer Options and Values:	<ul style="list-style-type: none"> • Source 1 (S1) Transient Delay • Start Delay (Time delay engine start) • Warm Up Time • Source 2 (S2) Fail Delay • Elevator Delay 	<ul style="list-style-type: none"> • Transfer Time (Time Delay Neutral) • Return delay • Cooldown time • S2 Transient Delay • Fail to Stop Delay
HMI Front Panel Display Adjustable Parameters and Values:	<ul style="list-style-type: none"> • LCD Contrast – 0% • LCD Page Timer – hh:mm:ss • Scroll Delay • Date and Time 	
HMI Front Panel S1 Parameters and Values:	<ul style="list-style-type: none"> • S1 Option – Generator, Utility (Mains) • Source Status • Under/Over Voltage Trip • Under/Over Frequency Trip • Multifunction Metering 	
HMI Front Panel S2 Parameters and Values:	<ul style="list-style-type: none"> • S2 Option – Generator, Utility (Mains) • Source Status • Under/Over Voltage Trip • Under/Over Frequency Trip • Multifunction Metering 	
LED Display and Customer Contact Output Options*:	<ul style="list-style-type: none"> • Audible Alarm • Battery High Voltage/Low Voltage • Close S1 Output • Close S2 Output • Close to Neutral Output • Common Warning • Cooling Down • Elevator Control • Fail to Reach Loading Frequency/Fail to Reach Loading Voltage • Fail to Start • Fail to Stop • Load Shedding Control (1-5) • Open S1 Output • Open S2 Output • Return Delay in Progress • S1 Failure Latched/S1 Failure Unlatched • S1 High Frequency • S1 High Voltage • S1 in Limits • S1 Load Inhibited • S1 Low Frequency 	<ul style="list-style-type: none"> • S1 Low Voltage • S2 Available • S2 Failure Latched/S2 Failure Unlatched • S2 in Limits • S2 Load Inhibited • S2 Ready • Scheduled Run • Start and Run S2 • Start Delay in Progress • System in Auto Mode • System in Manual Mode • System in Prohibit Return Mode • System in Start Inhibit Mode • System in Stop Mode • System in Test Off-Load Mode/System in Test On-Load Mode • Waiting for Manual Restore • Waiting for S2 • Warming Up
AC Metering:	<ul style="list-style-type: none"> • 0-333V L-N direct sensing, scalable for use with potential transformers • 0-1A, 0-5A direct sensing, scalable for use with current transformers 	
Metering Accuracy:	<ul style="list-style-type: none"> • L-N Voltage – +/-1% of full scale • L-L Voltage – +/-2% of full scale • Current – +/- 1% of full scale (5A) • Frequency – +/- 0.2Hz 	

*Application dependent

Product Drawings

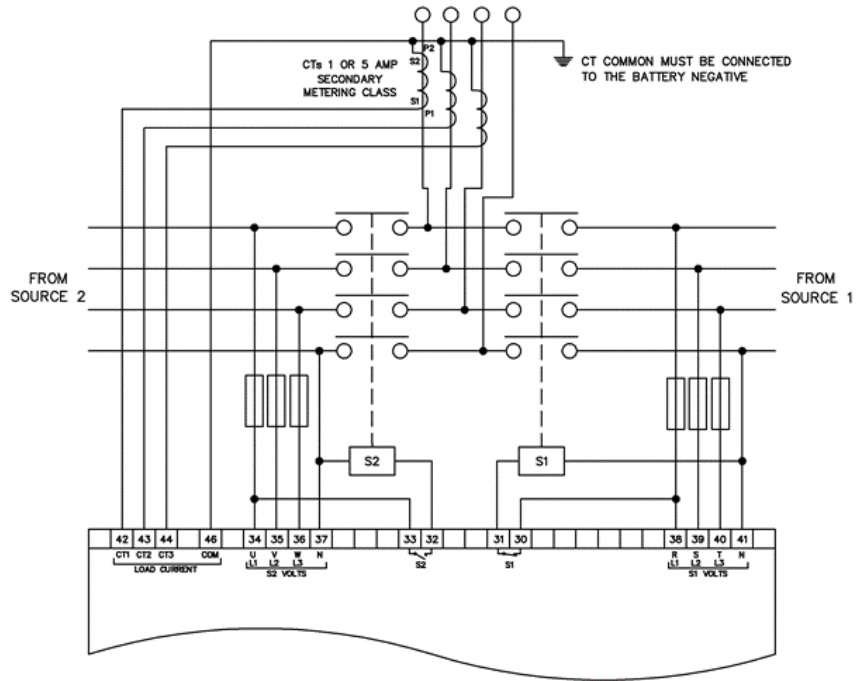


Figure 2: ATS-5335 Control System Module 3 Phase, 4 Wire Connection Diagram

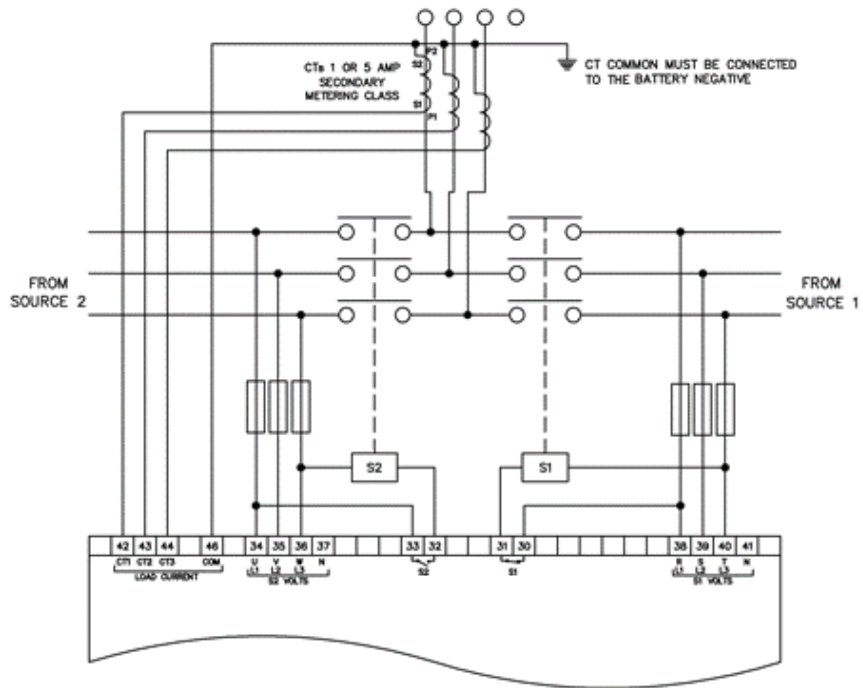


Figure 3: ATS-5335 Control System Module 3 Phase, 3 Wire Connection Diagram