



ASIT - 5500

ATC Cabinet SIU Tester



Overview

The ASIT-5500 ATC Cabinet SIU (Serial Interface Unit) Tester will run a series of comprehensive tests on the Model 2218 SIU. The Model 2218 SIU is an important component in the ATC Cabinet, functioning as the communications and control unit for the cabinet.

The SIU communicates with the ATC over Serial Bus #1. The ATC acts as the master and polls the SIU many times per second to obtain the status of inputs, set outputs, and check status conditions.

The SIU's role is to read input and drive output data for each Output or Input Assembly and report this data to the ATC via Serial Bus #1. The model 2218 is capable of processing 54 input/output pins and four optical input pins. When installed in an Input Functionality, it processes 24 detector outputs, 24 detector status outputs, and provides six detector reset signals. When installed in an Output Functionality, the SIU controls 16 switch pack units (48 outputs) and four optical inputs through the CDC socket.

Proper functioning of the SIU is of critical importance if safe and reliable operation of the cabinet is to be maintained. If the SIU is not functioning properly, a cabinet malfunction may occur, putting the public at great risk. Most manufacturers also recommend that each SIU be tested at least annually. This is why it is important to conduct periodic testing of each SIU.

Tests

The ASIT-5500 will run a series of tests on the Model 2218 SIU. The following functions will be tested to ensure compliance with the ATC Cabinet Standard (ATC 5301 v02.02).

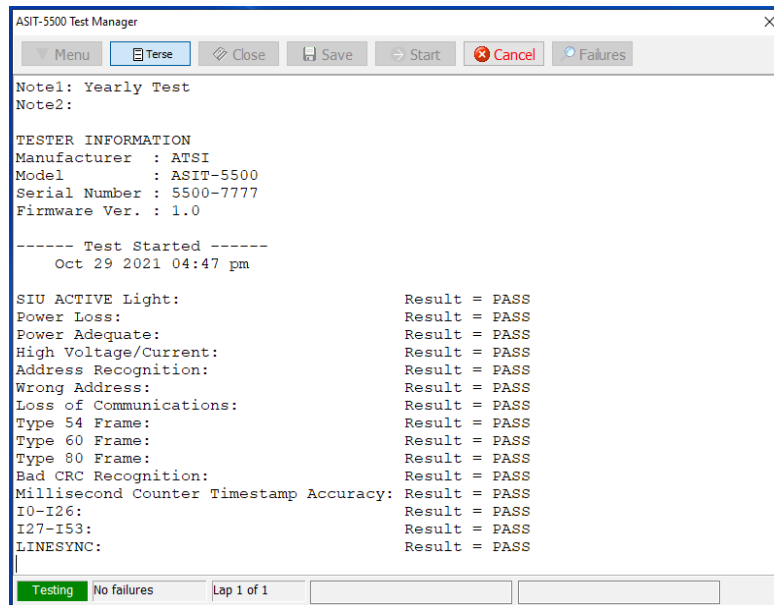
- Proper supply voltage and current management
- Correct input/output functionality
- Working communications/SIU frames
- Correct Linesync/NRESET/Addressing acknowledgement



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Features

- Test Manager Software Application for Desktop PC and Laptops
- Compatible with USB



Specifications

Devices Tested	Any SIU that conforms to the ATC 5301 v02.02 Model 2218 SIU standards
Enclosure	19" rackmount, 3U height
Power Requirements	120 VAC (60 Hz), 2 Amps (maximum)
Connection to Computer	USB
Computer Requirements	Windows 10 or later, at least one USB port
Operating Temperature	0° to 43° Celsius (32° to 110° Fahrenheit)
Environment	IP50, enclosure is NOT watertight.
Options	Optional carrying cases are available

Expected availability early 2023. For more information or to receive a quotation contact sales@atsi-tester.com or 740-592-2874 ext 1210.

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