



ACMT - 5000

ATC Cabinet CMU Tester



Overview

The Cabinet Monitor Unit (CMU) is the primary component of the ATC Cabinet Monitoring System. The CMU will continuously query various cabinet conditions. If a fault condition is detected, the CMU will transfer the field signals to flashing operation.

Proper functioning of the CMU is of critical importance if safe operation of the cabinet is to be maintained. If the CMU is not functioning properly, a malfunction may go undetected, putting the public at great risk. This is why it is important to have a regular testing program in place to verify that each CMU is functioning properly.

Manufacturers also recommend that each CMU be tested at least annually to ensure compliance with the proper specifications.

Tests

The ACMT-5000 will test both the High Voltage (120 Vac) and Low Voltage (48 Vdc) CMU models (CMU-2212-HV, CMU-2212-LV).

The following CMU functions will be tested¹:

- Detection of conflicting signals on all channels
- Detection of improper operating voltages
- Detection of improper timing sequences
- Proper operation of Serial Bus #1 and #3
- Proper operation of output relay contacts
- Proper operation of the removable memory key



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Specifications

Enclosure	19" Rackmount, 6U height
Power Requirements	120 Vac, 2 Amps
Connection to Computer	USB
Computer Requirements	Windows 7 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

For more information contact info@mobotrex.com or 563-323-0009.

Notes

¹ The ATC Cabinet architecture is based on the ITS Cabinet ITE/NEMA/AASHTO Standard v01.02.17b, published in 2006. Development of the ATC Cabinet Standard is currently in progress. Until the final ATC Cabinet Standard is published, the tests will be based on the current working draft as well as the manufacturer's operating manual.

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