

# MU Locomotive Cable Tester

## Quick Start Guide

### Setup Slave Unit Locomotive Test (Default Test)

- 1) Open and remove the cover of either test unit.
- 2) Secure the MU Tester Before beginning test
- 3) Connect MU Cable
- 4) Set the On/Off Power switch to the On position.
- 5) Confirm the Emergency Shut Off switch to the home (reset) position
- 6) Press the third LED button SLAVE
- 7) Press the first LED button START to run the self test
- 8) Press the third LED button START to start the shorts test
- 9) Press the second LED button AUTO or wait 5 seconds, this will run though the test
- 10) Press the third LED button CONT and the slave unit will go in a mode where it is waiting for communication from the master unit.

### Setup Master Unit Locomotive Test (Default)

- 1) Open and remove the cover of the other test unit.
- 2) Secure the MU Tester Before beginning test
- 3) Connect MU Cable
- 4) Connect Chassis Cable
- 5) Set the On/Off Power switch to the On position.
- 6) Confirm the Emergency Shut Off switch to the home (reset) position
- 7) Press the first LED button Master
- 8) Press the first LED button START to run the self test
- 9) Press the third LED button START to run the shorts test
- 10) Press the third LED button CONT and the Master unit will go to the leakage test.
- 11) Press the second LED button AUTO or wait 5 seconds, this will run though the test without any input from the user.
- 12) Press the third LED button CONT and the Master unit will go to the continuity test.
- 13) Unit will establish communications with the slave unit
- 14) Press the second LED button AUTO or wait 5 seconds, this will run though the test without any input from the user.
- 15) Once the continuity test has passed, Press the third LED button CONT for more options.

### Self Test Errors

These are errors within the system itself, such as memory check sums and driver shorts. Any self test errors require the unit to be returned for service.

### Shorts Test Faults

Shorts test faults indicate that two or more conductors are shorted together; review shows fault(s) as "Fault 24-27" this means there is a short between conductors 24 and 27.

### Leakage Test Faults

Leakage test faults indicate that one or more conductors are shorted to the chassis; review shows fault(s) as "Fault 24" this means there is a short between conductor 24 and chassis.

### Communications Errors

Communications errors occur when the master cannot establish communications with the slave unit; this can be an indication that the slave unit is not setup correctly or that too many of the designated communication lines are damaged. The communication conductors are 2, 5, 10, 11, 18, 23, 25 and 27.

### Continuity Test Faults

Continuity test faults indicate that one or more conductors are open; review shows fault(s) as "Fault 24" this means that conductor 24 is open.



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