

## Controller Continuity Tester

### Product Description

The Controller Continuity Tester (CCT) is an inexpensive test device used to check Terminal Equipment Controller (TEC) Room Sensor cables that utilize an RJ-11 connector.

This tool will diagnose any cable listed in Table 1.

**Table 1. Room Sensor Cable Part Numbers.**

Plenum Cable		Non-plenum Cable
588-100A	540-135	540-130
588-100B	540-136	540-131
588-100C	540-137	540-132

- NOTES:**
1. The CCT will not diagnose TEC Room Sensor malfunctions.
  2. The CCT will not function if the cable is connected to a LONMARK<sup>®</sup> compliant Terminal Equipment Controller (LTEC).

### Product Number

540-970

### Required Tools

540-142 Single to Twin Modular Adapter Cable "Splitter"

### Operation

The CCT is powered by the internal voltage of the TEC; it does not contain a battery.

The red LED checks the continuity of the TX/RX. The yellow and green LEDs check the sensor and setpoint, respectively



**Figure 1. Controller Continuity Tester.**

With proper connections and continuity the following conditions exist:

**Table 2. LED Indicators.**

LED State	Condition
Red LED lit	Proper connections are made to transmit or receive
Green LED lit	Sensor is polled
Yellow LED lit	Setpoint is polled
Green and Yellow LEDs toggle off and on	Unit is operating properly

### Instructions

1. Disconnect the RJ-11 connector from the back of the room sensor.
2. Plug the TEC cable into one end of the splitter.
3. Plug the CCT into the other end of the splitter.
4. Evaluate cable integrity by the LED status.

Testing is now complete.

The tool can be plugged into the sensor's MMI port without removing the sensor. However, only the red LED will operate, indicating the presence of the TX/RX signal.

Information in this publication is based on current specifications. The company reserves the right to make changes in specifications and models as design improvements are introduced. LONMARK is a trademark of Echelon Corporation registered in the United States and other countries. Product or company names mentioned herein may be the trademarks of their respective owners. © 2003 Siemens Industry, Inc.