



APPLICATION NOTE

S1000

OPERATING INFORMATION

CONDITIONS OF OPERATION

Normal Standby Operation

The green AC power indicator should be lit, display should read "SAFE" or Time-of-Day. Log indicator should flash once every five seconds and all other indicators off.

Alarm Condition

The display will show which zone is in alarm, both indicating circuits will activate if so programmed, alarm signal is applied to a remote location or municipal box (if used) and supplementary relay contacts are activated.

Alarm Reset

After locating and correcting the alarm condition, reset the control panel by depressing the "Panel Reset" switch. After 3 seconds the display will read "SAFE" or Time-of Day.

Trouble Conditions

Activation of the trouble signal under normal operation, indicates a condition that requires immediate correction. The audible signal may be silenced by depressing the "Trouble Silence" Switch. The trouble lamp will remain blinking. However, the buzzer will resound should a subsequent trouble occur. The trouble cause will be displayed as a trouble code (i.e. tr:50 = Battery trouble; no battery voltage).

PERIODIC TESTING & MAINTENANCE

To ensure proper and reliable operation, it is recommended that system inspection and testing be scheduled monthly, or as required by national and/or local authority. If a malfunction is encountered, testing should be done by a qualified service representative.

NOTE: Before testing, notify the fire department and/or central alarm receiving station. Also notify facility personnel of the test so that alarm sounding devices are ignored during the test period.

1. SYSTEM TEST

To begin the SYSTEM TEST, simultaneously press **Select** and **Enter**. "Prog" will be visible and flashing on display. Once "Prog" is flashing, press **Select**. "Test" will be visible and flashing on display.

2. RELAY TESTING

Press **Enter**. "OP 1" will be visible and flashing on display. Press **Enter** and the supplementary relay contacts will change state. Press **Enter** a second time and contacts will return to normal state.

3. BELL CIRCUIT TESTING

Press **Select**. "OP 2" will be visible and flashing on display. Press **Enter**, bell circuits one and two will turn ON. Press enter a second time and the bell circuits will turn OFF.

4. WALK TEST MODE

Press **Select**. "Test" will be visible and flashing on display. Press **Enter**, "Test" display will now remain constant. (For each alarm, the bell circuits will turn on and off three(3) times). Press **Enter** a second time and the walk test mode will be deactivated.

5. DISPLAY TESTING

Press **Select**. "Disp" will be visible and flashing on display. Press **Enter**, all LED's will turn ON. Pressing **Enter** a second time will turn display OFF.

6. DIAGNOSTIC CHECK MODE

Press **Select**, "Diag" will be visible and flashing on display. Press **Enter**.

Display will show in this order:...

- ◆ "Diag" will flash for (5) seconds
- ◆ Software version (ie: "-1.2.") on for 3 seconds
- ◆ Check sum (ie: "95d7") on for 3 seconds
- ◆ System PASS or FAIL (i.e.: "PASS") for 3 sec.

7. END TESTING

Press **Select**, "Done" will flash. Press **Enter**. The system is now returned to normal operating conditions.

8. Momentarily open the following circuits on the CPU terminals, one at a time, also check for a trouble signal and trouble code display: A. Open terminal 1,2,4,5,9-16, 18, 19 and one of the battery connections.

9. Short to case momentarily, terminals, 1 through 20 for Ground Fault trouble codes.

WARNING

Remove all power sources before working in the control unit.

10. If new batteries were installed, wait 48 hours before completing the following steps:

- ◆ Remove AC power. Put all zones in alarm and check that all active indicating devices are operating.
- ◆ Measure the battery voltage while all zones are in alarm with all indicating devices operating.
- ◆ Replace any battery with a terminal voltage less than 85% of its rating. Reapply AC power and depress "Reset".
- ◆ Notify the fire department, central alarm receiving station, and/or building personnel that the test of the systems is completed.

ALL TESTING THAT IS DONE IS ALSO STORED IN THE "EVENT LOG". A COMPUTER CAN BE CONNECTED TO THE SCP1 WHICH ENABLES THE EVENT LOG TO BE DOWN LOADED TO A DISK OR PRINTED

Local Service Representative
