

### ②② Testing

The following menu is used to perform tests on the system. Note that each test refers to the last time the device was activated. Tests can be performed on the following elements:

Quick Keys	Parameter	Default	Range
②②①	<b>Self Test</b>		

This feature provides an automated self-test for a selected group of localized intrusion sensors (for example, glass break detectors, sound discriminators and shock sensors) which respond to an artificial source of noise and/or vibration.

Automated self-testing is especially useful when sensors are placed in high security areas where failure cannot be tolerated.

Up to 16 zones can be designated for self-testing.

A sound or vibration generator should be used that can be placed close enough to the sensors to trigger them when the noise source is activated. A Programmable Output acts as the source of switched power for the noise/vibration generator (refer to Sensors Test, page 130). This is set to conform to the testing schedule. The schedule defines the time and day for the first test, and sets the times for repeated tests over a 24-hour period.

A message is sent to the Central Station if all the related sensors are triggered during the test (if a Report Code has been defined). With successful completion of the self-test, an entry is also placed in the system's Event Log.

If one or more of the sensors fails to trip during the test period, a self-test *failure* message is generated and sent to the Central Station. A record of the failure is also entered in the Event Log.

### ②②②

#### **Soak Test**

#### **EN 50131-3 Note:**

The Soak Test function is not in compliance with EN50131-3.




The Soak Test feature is designed to allow false alarming for predefined detectors to be bypassed from the system, while any alarms generated are displayed to the user for reporting to the MS. This is especially useful if Police response withdrawal is being threatened and a particular zone is causing unidentified problems.

Up to 8 zones can be placed on Soak Test. Any zone placed in the Soak

Test list is bypassed from the system for 14 days and is automatically reinstated after that time if NO alarms have been generated by it.

If a zone in the Soak Test list has an alarm during the 14-day period, the keypad indicates to the user that the test has failed. After the user looks at the View Trouble option (described in the *LightSYS™2 User's Manual*), the trouble message will be erased. This will be indicated in the event log, but no alarm will be generated. The alarmed zone's 14-day Soak Test period is then reset and restarted..

➤ **To set up a Soak-Test. [LightSYS™2]**

1. From the Install menu, press quick keys ② ② ②. The following display appears:  
 ZONES FOR TEST:  
 01) ZONE 01 N
2. To put a zone on Soak Test, press . The following display appears:  
 LOCATION 01:  
 ZONE: 00-32
3. Press the keys as per the zone number (e.g. 01 for zone 1)
4. Press  to confirm and display the initial menu.
5. To add a second zone for Soak Test, press and repeat the procedure above, -OR Press the  key to return to the previous menu.

**② ③ Cross Zones**

**Default:** No cross zoning

The Zone Crossing menu is used for additional protection from false alarms and contains parameters that enable you to link together two related zones. Both must be violated within a designated time period (between 1 and 9 minutes) before an alarm occurs.

This type of linking is used with motion detectors in *hostile* or *false-alarm prone* environments.

The LightSYS™2 allows 10 unique sets of zone links (pairs of zones), which can be manually specified, as required. Zones crossed with themselves are valid pairs. They need to register a violation twice to trigger the alarm. This process is known as Double Knock. You may want to establish a number of zone links, but leave them deactivated at this time (see below).