

Part 12: User Operation

12.1 Trouble Display

The Spectra system continuously monitors fourteen possible trouble conditions. When a trouble condition occurs, the [TBL] key or [TRBL] indicator will illuminate on the LED keypads or “Trouble” will appear on the LCD keypad’s screen. Press the [TBL] or [TRBL] key to switch to the Trouble Display. The [TBL] key or [TRBL] indicator will flash and lights corresponding to an existing trouble condition will illuminate on the LED keypads (see Table 9 below) or the appropriate trouble message will appear on the LCD keypad. Press the [CLEAR] key to exit the Trouble Display.

Please note that the keypad can be programmed to emit a BEEP every 5 seconds whenever a new trouble condition has occurred. Pressing the [TBL] or [TRBL] key will stop the beeping.

Table 9: Trouble List

LED #	Description	Details
[1]	No/Low Battery Failure	The control panel performs a dynamic battery test under load every 60 seconds. This trouble indicates that the back up battery is disconnected or that the battery should be replaced, as it will not provide adequate current in case of AC loss. This trouble will also appear when the control panel is running on battery power and the battery voltage has dropped to 10.5V or lower. This means the battery must be recharged or replaced.
[2]	Wireless Transmitter Low Battery	The battery voltage of a wireless transmitter has dropped below recommended limits. If connected to a SPC-319, press [2] to view the zones that are generating this trouble. If connected to a Magellan receiver (MG-RCV3), the trouble will be displayed as a global trouble. To determine the zones generating the trouble, examine the Low Battery LED indicators on all the transmitters. The batteries should be replaced.
[3]	Power Failure	Upon power failure, the AC LED on all keypads will turn off. The control panel can transmit the report code programmed in section [205]. This report code can be delayed by programming a Power Failure Report Delay in section [086]. The AC LED turns back on as soon as power is restored.
[4]	Bell Disconnected	This trouble occurs when a bell or siren is not connected to the bell output terminals. If you are not using the BELL terminals, connect a 1KΩ resistor across the bell output.
[5]	Maximum Bell Current	The BELL output uses a fuseless circuit and will automatically shut down if the current exceeds 3A. After opening the short or reducing the load, the bell current is restored upon the following alarm generation. This trouble indicator will only appear when a condition has occurred that would activate the bell output (e.g. during an alarm).
[6]	Maximum Auxiliary Current	The auxiliary output uses a fuseless circuit to protect the power supply against current overload and automatically shuts down if the current exceeds 1.1A. After opening the short or reducing the load, the panel will restore power to the auxiliary output.
[7]	Communicator Report Fail	The control panel has failed all attempts to communicate with the monitoring station.
[8]	Timer Loss	The control panel’s internal clock must be re-programmed. To re-program the timer press the [8] key followed by the current time using the 24-hour clock (i.e. 8:30 p.m. = 20:30).
[9]	Tamper/Zone Wiring Fail	If the Tamper Recognition options are enabled (see page 25), this trouble indicates a wiring problem on one or more zones or that the cover has been removed on one or more wireless transmitters. To provide line short recognition the zone connections must have EOL resistors. If you press the [9] key, the keypad will display which zones are in trouble. Enter the Installer Code to clear Tamper troubles.

Table 9: Trouble List

LED #	Description	Details
[10]	Telephone Line Monitoring	If the Telephone Line Monitoring (TLM) feature is enabled (see section [135]), this trouble indicates that the control panel has not detected the presence of a telephone line for 30 seconds.
[STAY] or [11]	Fire Loop Trouble	Indicates a wiring problem on a Fire Zone. Press [STAY] to view the zones that are generating this trouble.
[FORCE] or [16]	Keypad Fault	If the keypad is no longer communicating with the control panel, the [TBL] or [TRBL] will flash, the [FORCE] key will illuminate (the LCD keypad displays "Keypad Fault") and the keypad will emit four consecutive beeps at 5-second intervals. Press any key on the keypad to terminate the "beeping" sequence. When communication has been restored, the system will revert to previous status.
[BYP] or [12]	Module Loss	A module is no longer communicating with the control panel. The module's supervision option must be enabled [129].
[MEM] or [13]	Wireless Transmitter Supervision Loss	One or more wireless transmitters are no longer communicating with the receiver. If you press the [MEM] key, the keypad will display which zones are in trouble.

12.2 Programming Access Codes

Access Codes are personal identification numbers that allow you to enter certain programming modes, arm or disarm your system as well as activate or deactivate PGMs. The Spectra security system supports the following:

System Master Code arms or disarm partitions using any arming method and can create, modify or delete any User Access Code. Only the System Master Code can modify or delete User Access Codes assigned to both partitions.

Master Code 1 is permanently assigned to partition 1 and can be used to create, modify or delete User Access Codes that are assigned to partition 1.

Master Code 2 is permanently assigned to partition 2 (except when partitioning is disabled, Master Code 2 will be assigned to partition 1) and can be used to create, modify or delete User Access Codes that are assigned to the same partition.

45 User Access Codes (including 1 Duress code)

How Do I Program Access Codes?

- 1) Press [ENTER]
- 2) Key in the [SYSTEM MASTER CODE] or [MASTER CODE]
- 3) Key in 3-digit [SECTION] (see Table on page 45)
- 4) Key in new 4- or 6-digit [ACCESS CODE]
[ENTER] flashes. Return to step 3

How Do I Delete Access Codes?

- 1) Repeat steps 1 to 3 (see above)
- 2) Press the [FORCE] key once for each digit in the access code (4 or 6 times) until the keypad emits a confirmation beep

Section	User Codes
[001]	User Code 001 = System Master Code
[002]	User Code 002 = Master Code 1
[003]	User Code 003 = Master Code 2
[004] to [047]	User Code 004 to User Code 047
[048]	User Code 048 or Duress Code

12.3 Disarming & Deactivating an Alarm

To disarm an already armed system or to deactivate an alarm, simply key in a valid access code. Program a designated entry/exit point, such as the front door or the garage door with an Entry Delay Timer. When these entry/exit point are opened (breached), it will set off a timer. The system will not generate an alarm until this timer elapses, giving users enough time to enter the premises and disarm the system. Any user can disarm the system, except users have been assigned the Arm Only Option.

How Do I Disarm the System or Deactivate an Alarm?

- 1) Key in your [ACCESS CODE]*

The arm or alarm indication will turn off and the keypad will emit a confirmation beep.

***If You Have Access To Both Partitions:**

Press the key corresponding to the partition you wish to Disarm, or to Disarm both partitions, press the [1] key then after the confirmation beep press the [2] key.

12.4 Regular Arming

This method, commonly used for day-to-day arming, will arm all the zones in the selected partition. If you make a mistake, the keypad will emit a rejection beep. When you have correctly armed the system, the appropriate ARM indication will turn on and the Exit Delay will be initiated. Please note that Regular Arming can also be activated through Auto-Arming, Keyswitch Arming or One-Touch Arming.

How Do I Regular Arm?

- 1) Green READY indicator must be illuminated. Unless the system is partitioned, in which case all zones in the desired partition must be closed.
- 2) Key in a valid [ACCESS CODE]*

***If You Have Access To Both Partitions:**

Press the key corresponding to the partition you wish to arm. To arm both partitions, press the [1] key then after the confirmation beep press the [2] key.

12.5 Stay Arming

This method allows users to remain in the protected area while partially arming the system. For example, when going to sleep at night, entry/exit points like doors and windows can be armed while other zones like motion detectors remain deactivated. Please note that Fire Zones cannot be bypassed.

How Do I Stay Arm?

- 1) All zones in the desired partition (except Stay Zones) must be closed.
- 2) Press the [STAY] key
- 3) Key in a valid [ACCESS CODE]*

***If You Have Access To Both Partitions:**

Press the key corresponding to the partition you wish to Stay Arm. To Stay Arm both partitions, press the [1] key then after the confirmation beep press the [2] key.

If you make a mistake, the keypad will emit a rejection beep. When you have correctly Stay Armed the system, the appropriate ARM or STAY indication appears and the Exit Delay is initiated. Stay Arming can also be activated using Auto-Arming, Keyswitch Arming or One-Touch Arming. The User Code must have the Stay Arming Option enabled.

12.6 Instant Arming

After Stay Arming the system and during its Exit Delay, press and hold the [STAY] key for 3 seconds. You should hear a confirmation beep. This will switch all armed zones to Instant zones.

If you have access to both partitions:

To Instant Arm one partition, press [STAY] + [ACCESS CODE] + Select Partition + [CLEAR] + press & hold [STAY]

To Instant Arm both partitions, press [STAY] + [ACCESS CODE] + [1] + [2] + press & hold [STAY]

12.7 Force Arming

Force Arming allows users to rapidly arm the system, without having to wait for all zones in the system to be closed. Force Arming is commonly used when a motion detector is protecting the area occupied by a keypad. Therefore, when arming the system, if the motion detector is set as a Force Zone, the control panel will ignore the zone and allow users to arm the system even if the zone is open. Any open Force Zones at the time of arming will be considered deactivated by the control panel. If during this period a deactivated zone is closed, the control panel will revert that zone to active status, hence, will generate an alarm if breached. *UL Note: Not to be used with UL installations.*

How Do I Force Arm?

- 1) All zones in the desired partition (except Force Zones) must be closed.
- 2) Press the **[FORCE]** key
- 3) Key in a valid **[ACCESS CODE]***

***If You Have Access To Both Partitions:**

Press the key corresponding to the partition you wish to Force Arm. To arm both partitions, press the **[1]** key then after the confirmation beep press the **[2]** key.

If you make a mistake, the keypad will emit a rejection beep. When correctly Force Armed, the appropriate arm indication appears and the Exit Delay will initiate. Please note that Force Arming can also be activated using One-Touch Force Arming. Also, note that the User Access Code must have the Force Arming Option enabled.

12.8 Manual Bypass Programming

Manual Bypass Programming allows users to program the alarm system to ignore (deactivate) specified zones the next time the system is armed. The Access Code must have the Bypass Programming Option enabled. Please note that Fire Zones cannot be bypassed. Manual Bypass Programming can also be activated using One-Touch Bypass Programming.

How do I Program Bypass Entries?

- 1) Press the **[BYP]** key.
- 2) Key in a valid **[ACCESS CODE]***
- 3) Select one or more **[ZONES]** you wish to bypass
- 4) Once you have entered the desired bypass entries, press the **[ENTER]** key to accept these entries.

***If You Have Access To Both Partitions:**

Press the key corresponding to the desired partition.

12.8.1 Bypass Recall Feature

After disarming the system, the control panel will erase the bypass entries. By using the Bypass Recall Feature, you can reinstate the previous bypass entries saved in memory. This eliminates the need to manually program the bypass entries every time you arm the system. The Access Code must have the Bypass Programming Option enabled.

How Do I Recall Bypass Entries?

- 1) Press the **[BYP]** key.
- 2) Key in your **[ACCESS CODE]***
- 3) Press the **[BYP]** key. *Previously bypassed zones will illuminate.*
- 4) Press the **[ENTER]** key.

***If You Have Access To Both Partitions:**

Press the key corresponding to the desired partition.

12.9 One-Touch Arming

One-touch Arming allows users to arm the system without using an access code. Simply press and hold a key. One-Touch Arming can be used to allow specific individuals like service personnel (i.e. cleaners, maintenance) to arm the system when leaving the protected area, without giving them access to any other alarm system operations.

One-Touch Regular Arming

Press and hold the [ENTER] key for 3 seconds* to arm all zones in the partition.

One-Touch Force Arming

Press and hold the [FORCE] key for 3 seconds* to bypass any open Force Zones.

One-Touch Bypass Programming

Press and hold the [BYP] key for 3 seconds* to access Bypass Programming Mode.

One-Touch Stay Arming

Press and hold the [STAY] key for 3 seconds* to arm all zones not defined as Stay Zones.

Fast Exit - When the system is already Stay Armed:

- *To Exit and Stay Arm:* Press and hold the [STAY] key for 3 seconds*. The system will switch to Exit Delay. At the end of the Exit Delay period, the system will return to Stay Arming.
- *To Exit and Regular Arm:* Press and hold the [ENTER] key for 3 seconds*. The system will switch to Exit Delay. At the end of the Exit Delay period, the control panel will switch to Regular Arming.
- *To Exit and Force Arm:* Press and hold the [FORCE] key for 3 seconds*. The system will switch to Exit Delay. At the end of the Exit Delay period, the control panel will switch to Force Arming.

* If you have access to both partitions after activating a one-touch feature, press the key corresponding to the desired partition. To select both partitions, press the [1] key then after the confirmation beep press the [2] key.

12.10 Keyswitch Arming

A keyswitch can be used to arm and disarm the system. Assign the keyswitch to a specific partition and program the keyswitch to Stay or Regular Arm the assigned partition. Also program the keyswitch to function as a Maintained or Momentary keyswitch. To arm the system using a Maintained Keyswitch, set the keyswitch to the ON position. To disarm the system set the keyswitch to the OFF position. To arm the system using a Momentary Keyswitch, set the keyswitch to the ON position then turn it back to the OFF position. Repeating this sequence will disarm the system.

12.11 Panic Alarms

In case of emergency, the Spectra system provides up to three panic alarms. These panic alarms, if programmed, will immediately generate an alarm after pressing and holding two specific keys for two seconds, as described below.

Press and hold keys [1] and [3] for a panic alarm.

Press and hold keys [4] and [6] for a panic or medical alarm.

Press and hold keys [7] and [9] for a panic or fire alarm.

12.12 Auto-Arming

Each partition can be programmed to arm every day at the time specified by the Auto-Arm Timer or for the period specified by the No Movement Timer. The user can program the Auto-Arm Timer by using the System Master Code, Master Code 1 or Master Code 2. *Please note that the control panel will enter a 60-second Exit Delay period before arming the system. At this point, Auto-Arming can be cancelled by entering a valid access code.* **UL Note:** Not to be used with UL installations.

12.13 Alarm Memory Display

A record of all alarm situations that occur will be stored in memory. After disarming the system, pressing the [MEM] key will display which zones were in alarm during the alarm period. To exit the Alarm Memory Display, press the [CLEAR] key. The control panel will erase the contents of the alarm memory every time the system is armed.

12.14 Programming Chime Zones

Users can program which zones will be Chime Enabled. A Chime Enabled zone will cause the keypad to emit a rapid intermittent beep tone (BEEP-BEEP-BEEP-BEEP) advising the user every time it is opened. Each keypad must be Chime Programmed separately.

10-ZONE LED KEYPAD:

Press and hold any key from [1] to [10] for 3 seconds to activate or deactivate Chiming for zones 1 to 10. For example, press and hold the [1] key to enable chiming on zone 1. If after pressing and holding a key, the keypad

emits a confirmation beep, this means the chime feature has been enabled for that zone. If the keypad emits a rejection beep, this means the chime feature has been disabled for the corresponding zone.

16-ZONE LED KEYPAD:

Press and hold the **[9]** key. Enter the 2-digit (01 to 16) zone number(s). When the corresponding LED is on, the zone is chimed. When the corresponding LED is off, the zone is unchimed. When the desired zones are chimed, press **[ENTER]**.

LCD KEYPAD:

Press and hold the **[9]** key. Enter the 2-digit (01 to 16) zone number(s), or use the arrow keys to scroll through the zones. and when the appropriate zone is displayed, press the **[FNC1]** key. When the desired zones are chimed, press **[ENTER]**.

12.15 Keypad Muting

Press and hold the **[CLEAR]** key for 3 seconds to enable or disable keypad muting. When muted, the keypad will only beep when a key is pressed or when the keypad emits a rejection or confirmation beep. All other beep functions are disabled. **UL Note:** *Not to be used with UL installations*

12.16 Keypad Backlight (1686H and 1686V only)

The illumination level behind the keys can be modified to suit the user's needs. There are four backlight levels. The **[MEM]** key is used to set the desired level. Each consecutive push of the **[MEM]** key will increase the backlight level until the maximum level is reached. After reaching the maximum level, the backlight level will return to the lowest level and the whole process is repeated. To change the backlight level:

How do I Modify The Backlight?

- 1) Press and hold the **[MEM]** key for 3 seconds
- 2) The **[MEM]** key will illuminate
- 3) Press the **[MEM]** key to set the desired backlight level
- 4) Press **[CLEAR]** or **[ENTER]** to exit