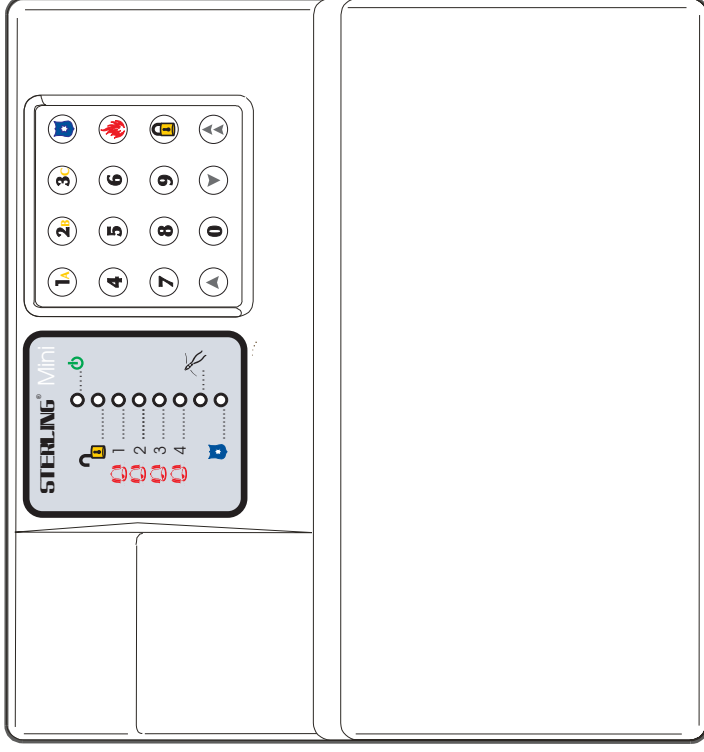


STERLING MINI

USER GUIDE



PYRONIX LIMITED

MAY 2000



This product is approved for use in the Residential, Commercial and Light Industrial Environment.





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1. **UN-SETTING THE PANEL**
 Enter user code to clear the LEDs
2. **FULL SET**
 Enter or
3. **PART SET**
 - a. Part set 1 (Downstairs) or
 - b. Part set 2 (Upstairs) or

Note: Part sets are silent on exit and tones will be heard on entry.
4. **PERSONAL ATTACK** Enter
5. **FIRE ALARM** Enter
6. **ZONE OMIT IN EXIT MODE**
7. **CHIME FACILITY** Enter
8. **READING THE EVENT LOG**
 Enter followed by any key to view the net event
9. **CLEAR THE EVENT LOG** Enter followed by any key to view the event
10. **CHANGING THE USER CODE**
 Enter old user code
 Then new user code
 Then new user code again
11. **SYSTEM TEST MODE** Enter
WALK TEST Enter

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1. INTRODUCTION

The Sterling Mini is a fully featured alarm control panel, based around a micro processor with 4 fully programmable zones and 2 dedicated "24 hour" zones (Personal Attack alarm and a System tamper alarm) It is operated via a 16-key onboard keypad and has an arrangement of 8 LEDs to show the status of the system.

All the features are fully programmable and there are two levels of access to the system.

These are-

User

The user level gives access to all setting and un-setting facilities, and also allows the changing of code numbers and testing of the system.

Engineer

The engineer level gives access to the system including the ability to re-configure the system. The engineer cannot, however, unset the system.

1.2 FEATURES

Two access-level codes, both programmable.

Easy-set facility.

Four programmable alarm zones.

Three set / part set modes.

Fire zone with unique alarm sound.

Personal attack alarm zone

Tamper zone

16 key backlit alarm zone

Dedicated personal attack key on keypad

Dedicated fire alarm key on keypad

8 LEDs for immediate indication of panel status

Walk test facility

System test function

Built in sounder with volume control and software override

Separate bell and strobe lamp outputs

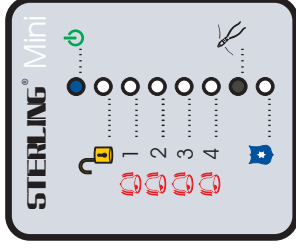
Zone omit facility on exit

Silent part set

4 event extended memory

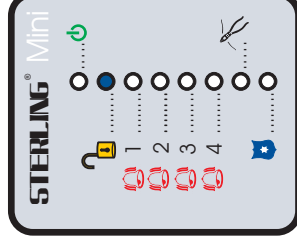
NB your installation engineer will have programmed all the system features to ensure easy and convenient day to day use of your system.
(See section "Engineer programmable zones")

TROUBLE SHOOTING CONTINUED



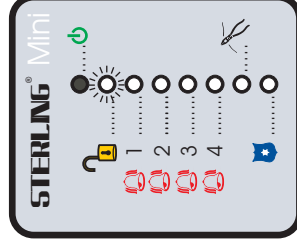
5. Tamper alarm activated sounding internal audible alarm,
Panel un-set / day mode

Enter the user code to clear the internal audible alarm.
Re-enter the user code to clear the TAMPER LED.
Now try setting the system. If the system goes straight into
an alarm condition contact the engineer.



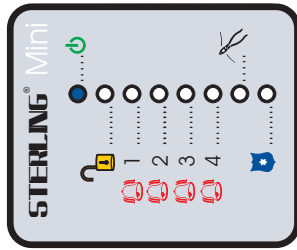
6. Mains Failure. Panel unset / Day mode

Supply LED off indicates no mains supply to the panel.
Check that there is mains supply else where on
The premises. If there is no supply in the premises wait for
the mains power to return.
If there is mains supply to the system contact the engineer.

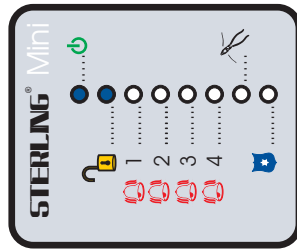
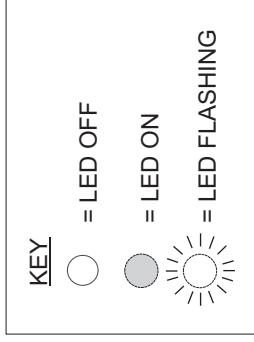


7. Panel waiting for further commands.
Day LED will flash if you have started a function
but not finished the sequence.

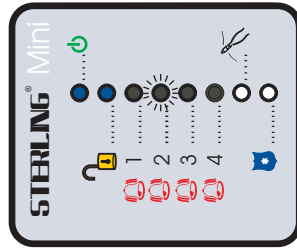
Enter  to terminate



1. Panel set / on

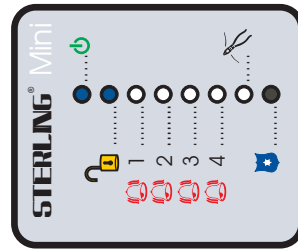


2. Panel unset / off



3. Panel un-set, zone 1, zone 2, zone 3, and zone 4 LEDs on

This shows an alarm has occurred on zones 1 to 4.
Zone 2 was activated first.
To clear the alarm lights enter the user code.
If the LEDs do not clear call the engineer.



4. Personal attack activated

Enter user code to clear the P.A. Light
Reset the Personal Attack buttons if necessary
if the LED does not clear call the engineer

2.1 OPERATING MODES

Day mode

This is the state of the panel when unset (not armed). Fire, Personal attack and Tamper inputs however remain active 24 hours a day.
(These are referred to as 24 hour zones)
Day mode is identified by the green day LED on the front of the panel.

Set modes

When the panel is set (armed) an activation of any Access, Immediate or 24 hour zone will cause an alarm condition. When an alarm is generated the internal and external sounders will operate for the length of time programmed and the tone of the internal sounder will be two notes repeated rapidly. The strobe lamp will also be activated and will continue to operate until the panel is reset.

Full set & Part set

At the time of setting the control panel, any one of three set modes can be selected i.e

Full Set: Whole system armed, nobody on premises

Part set 1: Upstairs off, down stairs armed

Part set 2: Upstairs armed, Downstairs off

The above are purely examples. The engineer has the ability at the programming stage to configure all the circuits to the customers exact requirements.

2.2 ENTRY / EXIT MODE

Entry

When the panel is set and an Entry / Exit zone is triggered the Entry / Exit timer will begin to count down. During this period an Entry / Exit tone (single repeated beep) will be produced by the internal sounder and any zones which are programmed as Access zones will be ignored. If the user code is entered before the end of the count down period the panel will return to day mode. If the timer is allowed to elapse before the user code is entered the panel will go into an alarm state. In this case the system needs to be "Unset"

Exit

With the panel in "day" mode, if either the user code or an Easy-set key sequence is entered the Entry / Exit timer will begin. If the all the Immediate zones are clear, then the Entry / Exit timer will begin. If all the Immediate zones are clear, then the Entry / Exit tone will be heard. Leave the protected area by the predetermined Entry / Exit route.
As you trigger Access zones the tone will change temporarily to a repeated low tone.
When all the zones are clear, the Entry / Exit tone will continue again until the end of the time out period. The panel will then be set.

3.1 ENGINEER PROGRAMMABLE ZONES**Entry / Exit**

This is a zone which allows limited-time access to the premises in order to set or unset the system.

Access

This is a zone which, on setting the panel, allows access to the Entry / Exit zone. However, if the panel is set and an Access zone is triggered before an Entry / Exit zone then an alarm will be generated immediately.

Immediate

This is a zone which, will when entered create an alarm when the panel is set.

Omitted

If a zone is programmed as an Omitted zone by the engineer, then it is ignored by the panel. Primarily used for Part set options. It also allows the user to continue to use the alarm system even if a fault has been discovered on one or more zones.

3.2 TWENTY FOUR HOUR ZONES**Personal Attack**

Triggering the Personal Attack (P .A) zone will always cause an alarm activation, regardless of whether the panel is set or not.

Tamper

A tamper zone activation will only generate an internal alarm, if the panel is in day mode. If a tamper fault is preset and the panel is then set, the system will give a second internal alarm. Triggering of a tamper zone when the panel is set will always give an internal and external alarm.

Fire

Triggering the fire zone will only operate the internal sounder. A fire alarm is identified by a three note rising sound which is easily distinguished from all other tones. Zone 4 may be configured as a fire zone.

The fire zone is intended as an extra feature to the Intruder Alarm system and must not be regarded as a total fire protection system.

Supply light on:
Day light on:
Zone light on:
Tamper light on:
P.A Light on:
Tamper light flashing:

Indicates there is mains on the system.
Indicates the system is un-set. (Day mode)
Indicates an alarm activation.
Indicates a tamper alarm.
Indicates a personal attack activation.
Engineer mode.

4. CONTROLS AND FUNCTIONS

Volume Control

This is only accessible when the front cover has been removed and will only affect the volume of the internal sounder and any extension speakers. The volume control is overridden when the panel is in an alarm state, and set by the user code.

Chime

Chime function applies to "day" mode only and if selected will cause the panel to generate a three note sound when an Entry / Exit zone is triggered. This feature informs the occupants of the building that someone has entered.

Latch

The latch facility is designed to be used with intruder detectors fitted with latch memory. This feature is very useful when more than one detector has to be wired to a particular zone as it will show which detectors were triggered if an alarm occurred. If there has been an alarm and latch memory was not used, the panel is reset and an LED indication will be given by the relevant detector(s). Resetting the latch memory requires the panel to be set again no less than 5 seconds, and then unset.

Auto- rearm

After an alarm the panel will automatically reset itself when the bell timer has expired. Any zones which still remain triggered at that time will be omitted automatically.

Walk test

The walk test function verifies that all the intruder detectors on the alarm system are functioning correctly. When walk test mode is enabled any activated zone will cause a chime and LED indication.













5.9 CLEARING THE EVENT LOG

The user is allowed to clear the event log if this option has been allowed by the engineer
To clear the event log enter   

5.10 CLEARING THE DISPLAY AFTER AN ALARM ACTIVATION

After an alarm activation enter the user code:
This un-sets the panel
The LEDs will now display any activated zones
Enter the user code again to clear the display.

5.11 CHANGING THE USER CODE

The change the user code enter   
Then enter    User code - 3 bleeps
Then enter    New user code - 3 bleeps
Then enter    New user code again - 3 bleeps

The day LED will flash when this function is entered and an acceptance tone will be sounded after each code has been entered. If an incorrect key is entered an error tone will be given and the function ended.

5.12 SYSTEM TEST MODE

Enter    for system test mode

This function performs a number of tests, which are listed below.

Test 1 = All LEDs are switched on
Test 2 = The strobe is switched on
Test 3 = The bell is switched on
Test 4 = The internal sounder is switched on

Enter a numerical key for the test required.

To enter walk test mode enter the  key again.

5.13 WALK TEST MODE

Enter    for walk test mode

When the walk test mode is enabled any activated zone will cause a chime and a LED indication to be displayed.

KEY



5.1 FULL SETTING THE PANEL

There two ways of full setting the panel.

1. Enter user code.
(Using this method, maximum volume of the Entry / Exit tone will be heard)
2. Enter .
(Using this method no sounds will be emitted except for an acknowledgment tone at the beginning and end of the Entry / Exit time)

5.2. PART SETTING THE PANEL

Part set 1 (e.g downstairs only armed)



Part set 2 (e.g upstairs only armed)



5.3 UN-SETTING THE PANEL

The panel can be un-set by entering the building via the entry / exit route and then keying the user code.

5.4 ACTIVATING THE PERSONAL ATTACK (P. A)

To activate the personal attack alarm enter

5.5 ACTIVATING THE FIRE ALARM

To activate the fire alarm enter

5.6 ACTIVATING THE FIRE ALARM

To activate Chime enter

When the chime mode is selected a three note chime will be produced by the internal sounder and any extension speakers when an Entry Exit zone is activated. The same key sequence can be used to turn off the chime facility.

5.7 RECALLING THE EVENT LOG

The event log can be displayed at any time when the Sterling compact is un-set.

The event log is displayed by pressing

The day LED will flash and event information from the latest alarm activation is displayed. Pressing any key will then the previous event information. When all four have been displayed the day LED will stop flashing and another function can be selected.

5.8 OMITTING ONE OR MORE ZONES

If one or more zones are triggered whilst in exit mode a low pitched error tone will be produced. If any zones remain triggered at the end of the exit timer, the error tone will continue. Key in the User code. The display will show the zone(s) which remained triggered. Make a note of any triggered zones. Key in the user code which will clear the display.

Check for any obvious reason for these zones to have been activated. This may simply be due to a monitored door or window being left open or a pet being left in a protected area. If the fault cannot be rectified it is possible to omit faulty zones, but this should only be used as a last resort if the building is to be left unoccupied.

Example-

Set the panel (error tone will be heard)

Wait for the end of the exit terminator

Error tone is still being produced

Key in the user code

Triggered zones will be displayed

Note triggered zones

Key in user code to clear display then investigate fault(s) if possible

Set the panel again

Then: Check the display, if the zones are not being triggered exit via the normal route.

Or: If the display shows zones are still being triggered enter

Then: enter

Then: enter the number of the zone to be omitted (1 to 4)

Then: - Entry / Exit timer will start again

Then: enter the building by the normal route.