9448
Installation and User Guide

Compatible Equipment

9040	Internal Sounder
660	Speech communicator

INTRODUCTION

The 9448 is a 3 zone control panel with separate Entry/Exit and PA zones, designed specifically for domestic installations. The control unit PCB is built into a polycarbonate box with keypad and eight indicator LEDs on the front of the lid.

Technical Specification

Dimensions	h x w x d 212 x 212 x 68mm.
Weight	Approx 1.1kg (without stand-by battery).

Power Supply

System Power Supply	230VAC (Ambient Temp. 20 º C).
Quiescent Panel Power	70mA nominal.
Standby Battery	12 Volt, 2.1AH rechargeable lead-acid, Gel Type battery.

Outputs

Bell, Strobe, and O/P are open collector transistor outputs.

Bell, Strobe	500mA Max.
AUX (for detectors)	300mA, 12VDC.
Communicator Outputs	PA, Intruder*.
Outputs	PIR Set Latch/Shock Sensor Reset.
LS	9040 (1 max).

Fuses

F1 - Battery	2A Quick Blow.
F2 - 12V AUX	1A Quick Blow.

Caution: When replacing fuses use the ratings quoted above.

* The control panel has none of the required software functions to allow it to conform with the required standards for remote signalling in the UK. Scantronic recommend that you use this system for "bell only" installations.

Wiring

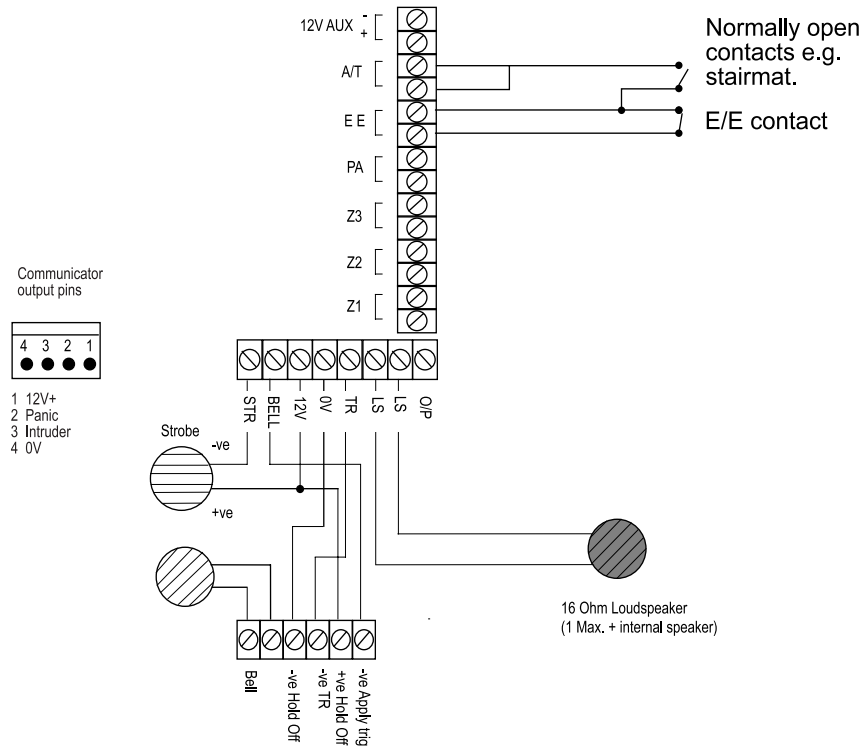Figure 1 shows the layout of the 9448 PCB and its connector.

Figure 1. 9448 PCB Layout

Programming

Initial Start Up

Before applying power to the control panel, ensure that all zone circuits are connected (link out any circuits not used). **DO NOT** connect the 12V terminal to the external sounder or 12VAUX terminals to the detectors at this stage.

Caution: You may damage the panel if you connect bell and AUX power before you power up the system.

1.   Apply mains to the control panel.
     The green power LED lights and the internal sounder will sound. Ignore any other lights.

2.   Key-in the factory default user access code: 1234.
     The internal sounder stops. Ignore any other lights.

3. Key-in 0 then ENTER followed by the factory default engineer access code: 7890.
   The Day LED goes off.
4. Open the control panel lid.
   You are now in programming mode.

Changing Default Programming

To change the factory defaults, the panel must be in programming mode. Then:

1. Key in a two digit programming command followed by "ENTER". (See "Engineer Program Command List".)

2. Key in the correct digit for the option you want, and then press ENTER.

   The panel beeps twice to show that it has accepted the command.

   The panel gives a single error tone if you enter an incorrect command (or if you close the lid). Re-enter the correct command.

3. Key in "99 ENTER" to leave programming mode when you have finished. You will then be in user mode.

Engineer Program Command List

To change:	Key-in:	Followed by:	Notes	Defaults
Engineer Code	**20** ENTER	new code ENTER	4 digits	7890
User Code 1	**21** ENTER	new code ENTER	4 digits (see note 1)	1234
Zone 2 Entry Route	**36** ENTER	0 ENTER 1 ENTER	Normal Alarm Entry Route	✓
Auto Re-Arm	**40** ENTER	1 ENTER 4 ENTER	Never rearm Rearm three times	✓
Bell Duration	**42** ENTER	1 ENTER 2 ENTER 3 ENTER 4 ENTER	90 seconds 3 minutes 10 minutes 20 minutes	 ✓
Entry time	**43** ENTER	1 ENTER 2 ENTER 3 ENTER 4 ENTER	20 seconds 1 minute 2 minutes 4 minutes	✓
Exit time	**44** ENTER	1 ENTER 2 ENTER 3 ENTER 4 ENTER	10 seconds 30 seconds 1 minute 2 minutes	✓
Bell Trigger Type	**50** ENTER	0 ENTER 1 ENTER	SAB SCB	✓

Prog O/P	**51** ENTER 0 ENTER	PIR set latch	✓
	1 ENTER	Shock reset	
Zone 1 in Part Set	**52** ENTER 0 ENTER	Normal Alarm	✓
	1 ENTER	Entry/Exit	
Walk Test	**97** ENTER Trigger detectors. Press OMIT to exit test.		
Leave Program	**99** ENTER	(See note 2.)	

Notes:
1. The end user may change the user codes (see separate user guide).
2. If the internal sounder activates when you use this command then check the lid tamper, bell tamper, and the global zone anti tamper.

Leaving Programming Mode

1.   Connect the battery.
2.   Complete the connections between the 12V terminal and the external sounder, and 12VAUX and the detectors.

Note: *The SAB module in the external sounder will continue to ring until the hold off supply is connected, or until the bell cover lid tamper switch is closed.*

3.   Close the panel lid.
4.   Key in "99 ENTER" to leave programming mode.
     You are now in user mode.

To Re-enter Programming Mode

You can re-enter programming mode at any time when the panel is in the unset mode:

     Key-in 0 then ENTER followed by the engineer access code.

     Open the control panel lid.

     You are now in programming mode.

Restoring Factory Defaults

The control panel can retain all programmed information and access codes if both mains and battery power fail. When power is restored the panel will simply need resetting with the customer or engineer's access code.

If the installer wants to return the panel to the factory default settings, then:

1.   Power down the control panel, mains and battery.
2.   Locate the pair of Molex pins marked 'RST' near the microcontroller.
3.   Place a small screwdriver blade to short between the 'RST' pins.
4.   With the blade still across the pins, apply battery power then mains.
     The system loads the factory default user and engineer's access codes.

5.   Remove the screwdriver blade.

6.   Key in 1234.

7.   Key in 0 then ENTER followed by 7890.

8.   You must now reprogram the system.

Engineer Walk Test

Allows the engineer to test all devices on the system.

1.   Enter programming mode.

2.   Key in "97 ENTER".

      The panel gives a continuous tone.

3.   Open and close each detector contact in turn.

      When a detector contact is open the panel gives an interrupted tone and flashes the zone LED.

4.   Press OMIT to stop the walk test.

Note that the Engineer's walk test allows you to test all zones including PA zones, zone tampers, and panel and bell tampers. The user's walk test does not allow this.

User Commands

Set/Unset System	User code
Omit zone/Part set	2 + OMIT and/or 3 + OMIT + User code
Test Bells	4 + ENTER + User code The system sounds the internal sounder for three seconds, followed by the bell and strobe for three seconds.
Walk Test	5 + ENTER User code Key in User code to end test
Change User code	6 + ENTER + current user code new user code + ENTER