

SmartCell

Quick Start Guide

Contents

Introduction	3	Device location text	20
Important notes	3	Text entry	21
Overview of system setup	4	Zone text	22
What's in the box	6	Sounder tones	23
Control panel features	7	How to delete devices	25
Side cover removal	7	Set outputs	26
Open panel	8	SmartCell Services config	26
Optional door removal	8	Device signal levels	31
Cable entry	9	Test devices	32
Fix panel to wall	9	Congratulations	33
Panel wiring	10	System maintenance	33
Re-fit door	12	FAQs	34
Connect backup battery	12	Troubleshooting	35
Remove 3V battery tab	13		
Apply power	13		
Engineer menu entry	14		
Set time & date	15		
Install devices	16		
Add devices to system	17		
Device attributes	18		

Introduction

This quick start guide will show you how to set up a complete SmartCell system, with default global sounder and output operation. For advanced programming, refer to the 'SmartCell Programming Guide' (*TSD155*).

Note: there are 3 methods of adding (programming) devices to the control panel. This quick start guide will cover the method of adding devices via power-up. Refer to the programming guide for more information.

Important notes



The installation must conform to applicable local installation codes and should only be installed by a fully trained competent person.



Always select an appropriate device type for the application as per local codes of practice, or as advised by a qualified professional.



The procedures outlined in this installation guide must be carefully followed.



SmartCell devices contain electronics that may be susceptible to damage from Electro Static Discharge (ESD). Take appropriate precautions when handling electronic boards.



To ensure correct operation, products must be used within the specified environmental operating conditions.

Overview of system setup

Step 1

Install the SmartCell control panel.

Step 2

Log on devices required for the installation - Smoke detectors, heat detectors, call points, sounders and input / output devices, etc.

Enter device and zone location text.

Note: If devices and zones are not programmed with custom text labelling, default text will be displayed. E.g.

```
Z01 A04          TAMPER
Sounder Detector
ID:001234
View>
```

Example device fault with default device text:

```
ZONES IN FIRE    01
01: Zone 1
View>
```

Example fire event with default zone text:

Step 3

Allocate devices to zones, in accordance with local codes of practice. As a minimum all devices should be allocated to zone 1.

Note: Corresponding zone LEDs on the panel will automatically illuminate upon a fire alarm condition, when devices are allocated to zones 1-16.

Step 4

Change device default settings if required in accordance with local codes of practice, or as professionally advised.

Step 5

Connect to SmartCell Services (*if required*).

Step 6

Check all device signal levels are stated as 'GOOD'.

Step 7

Test every device for correct operation, using appropriate test equipment.

Note: all devices with sounders and standalone sounders will automatically activate when any device is in alarm, unless custom programmed.

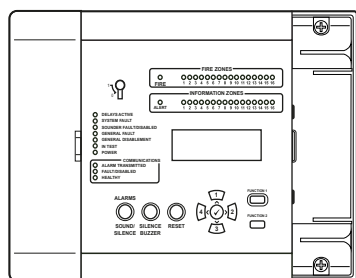
Step 8

Weekly test the system in accordance with local codes of practice.

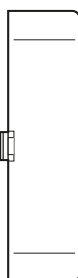
Step 9

Maintain the system in accordance with local codes of practice and manufacturers recommendations.

What's in the box



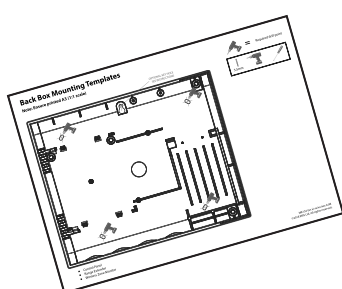
SmartCell
control panel



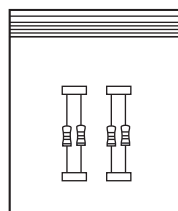
Right hand
side cover



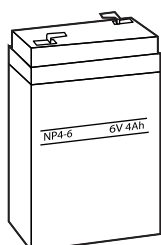
USB media
stick



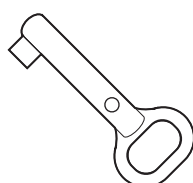
Control panel
fixing template



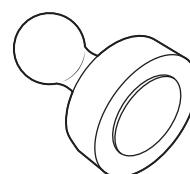
Resistor
pack



6V 4Ah
battery



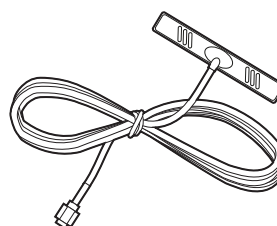
Enable
key



Log on
magnet



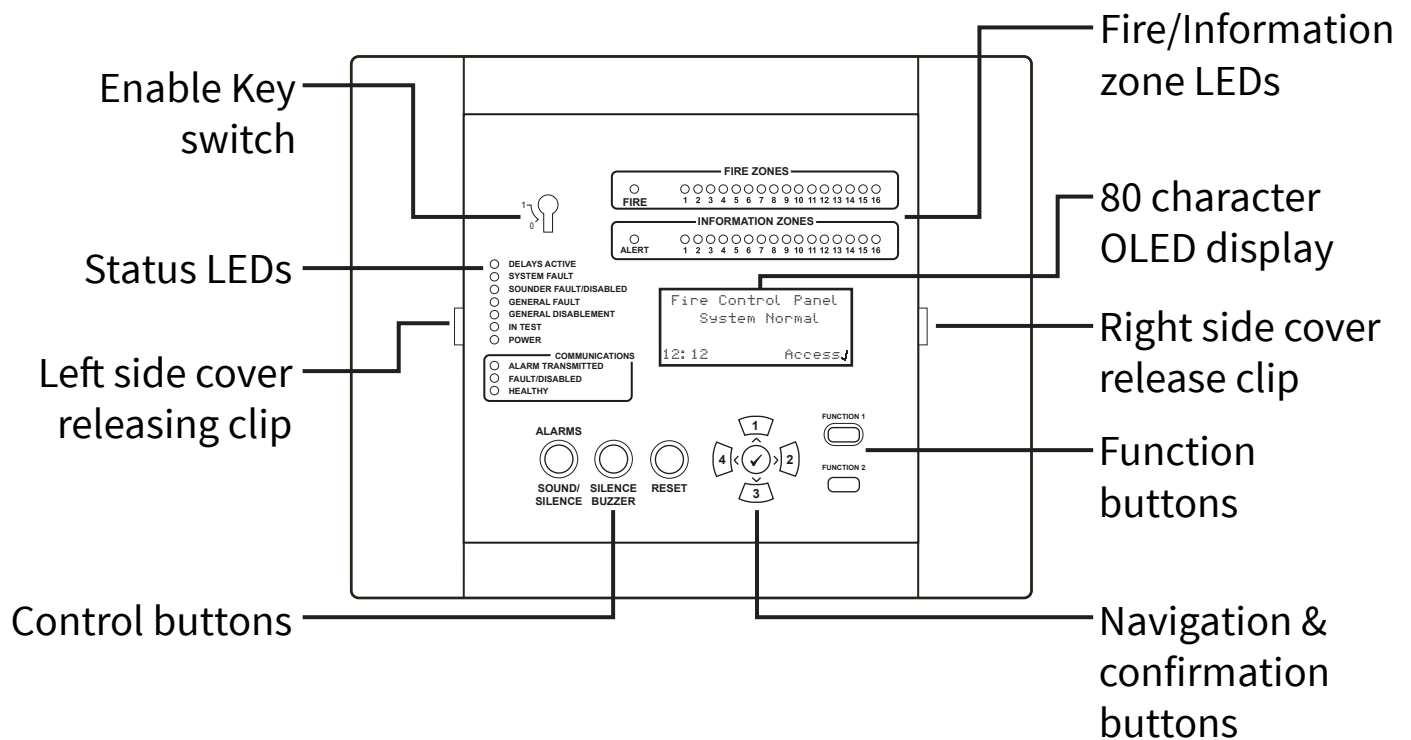
Allen
key



GSM
antenna *

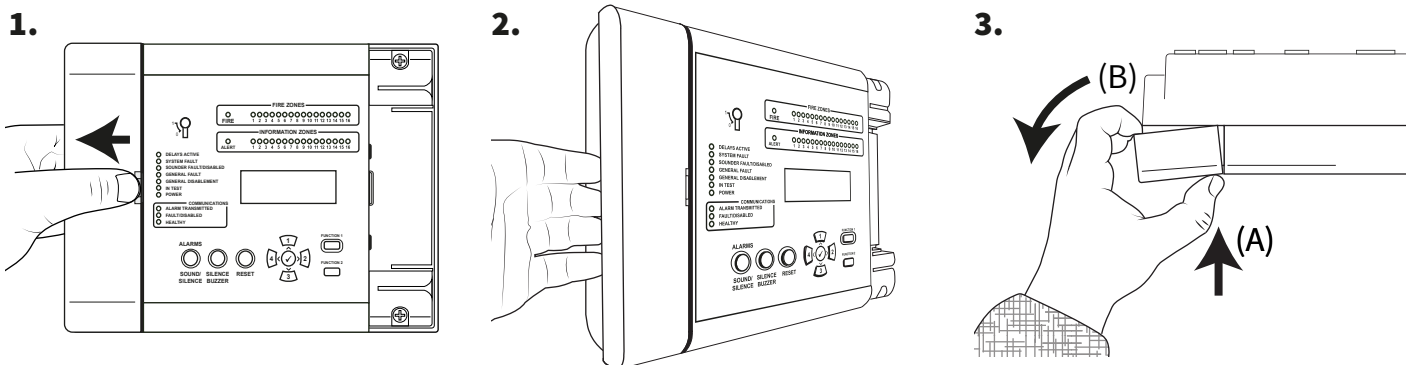
* Supplied only with variants of: SC-11-1200-XXXX-XX & SC-11-2200-XXXX-XX

Control panel features



Side cover removal

The following steps illustrate how to remove the side covers:



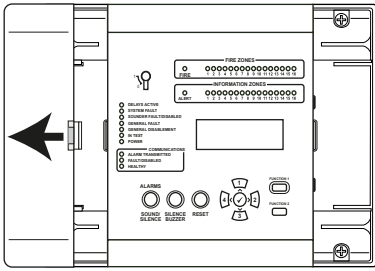
Slide the side cover sideways, creating a gap as shown.

Position your fingers behind the cover's protruding edge.

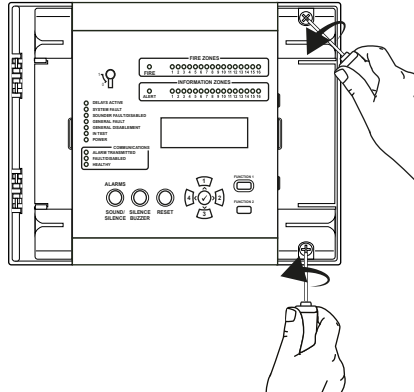
Press the cover's releasing clip with your thumb (A), and simultaneously rotate the side panel anti-clockwise (B), as viewed overhead to remove the cover.

Open panel

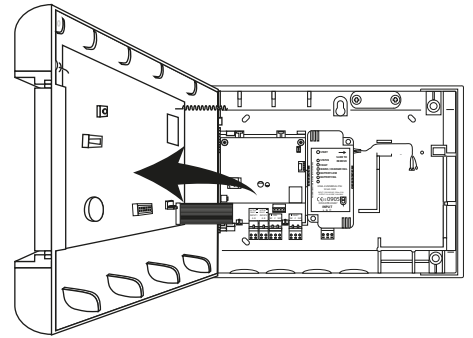
1. Unclip side panel.



2. Loosen screws.



3. Open door.



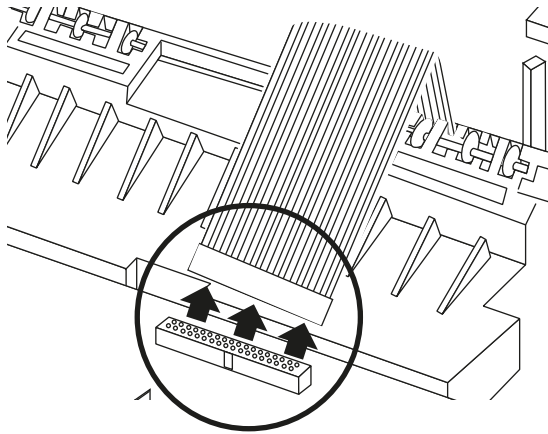
Refer to the 'Side cover removal' section (page 7) for details.

230 VAC variant shown

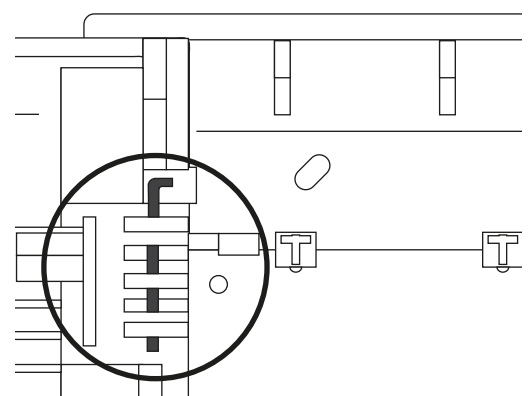
Optional door removal

Disconnect the ribbon cable, then turn and release the door hinges.

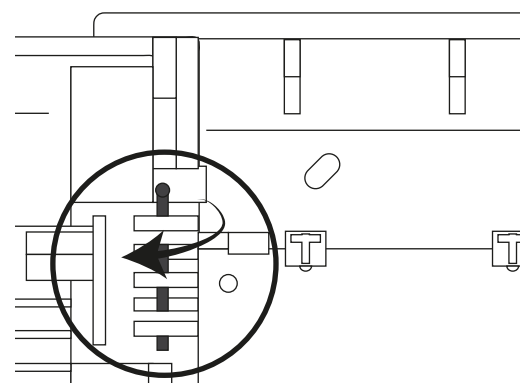
1.



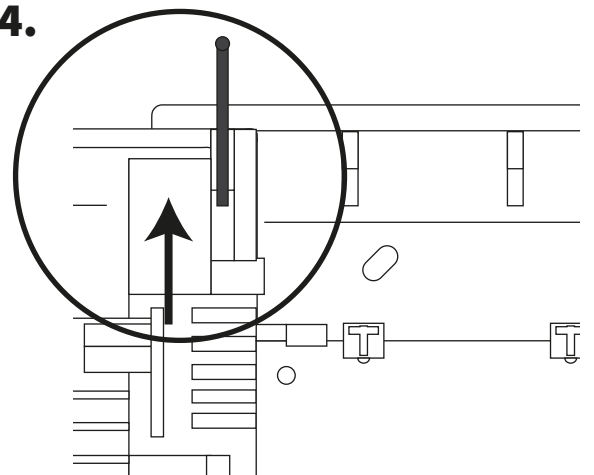
2.



3.



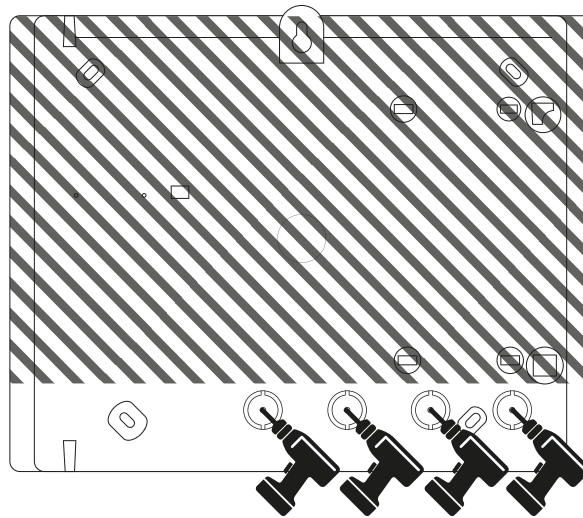
4.



Cable entry

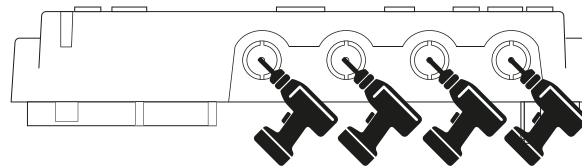
Select cable entry points as required, before fitting to the wall.

Rear side view



**NO CABLE ACCESS
AT THE TOP OF
THE UNIT!**

Under side view



 = Available entry point

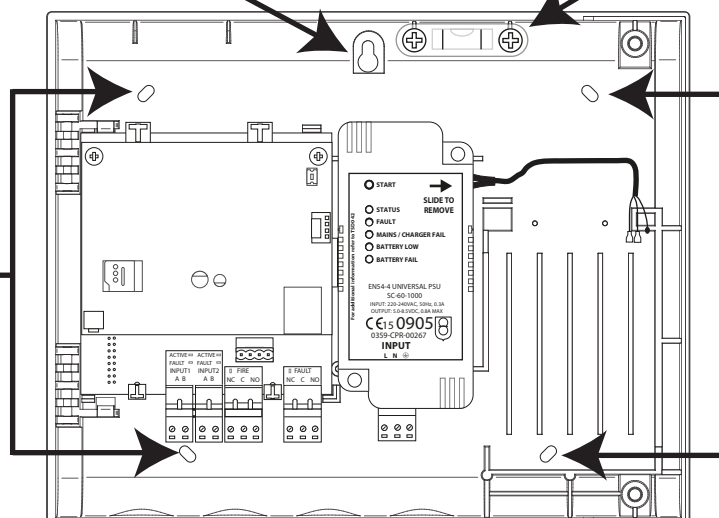
Fix panel to wall

Key hole

Spirit level

Fixing positions

Fixing positions



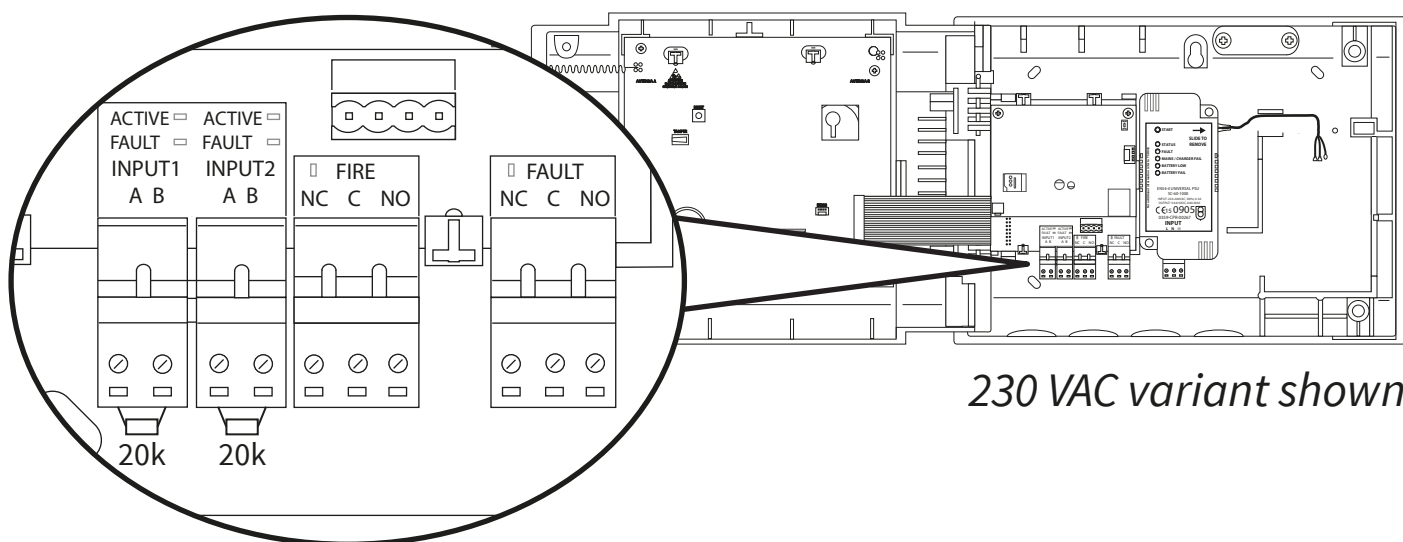
Note: the supplied back box mounting template can be used to drill the fixing positions.

Panel wiring



Note: full details on panel wiring can be found in the 'SmartCell Control Panel Installation Guide' (TSD120).

Input and output connections:

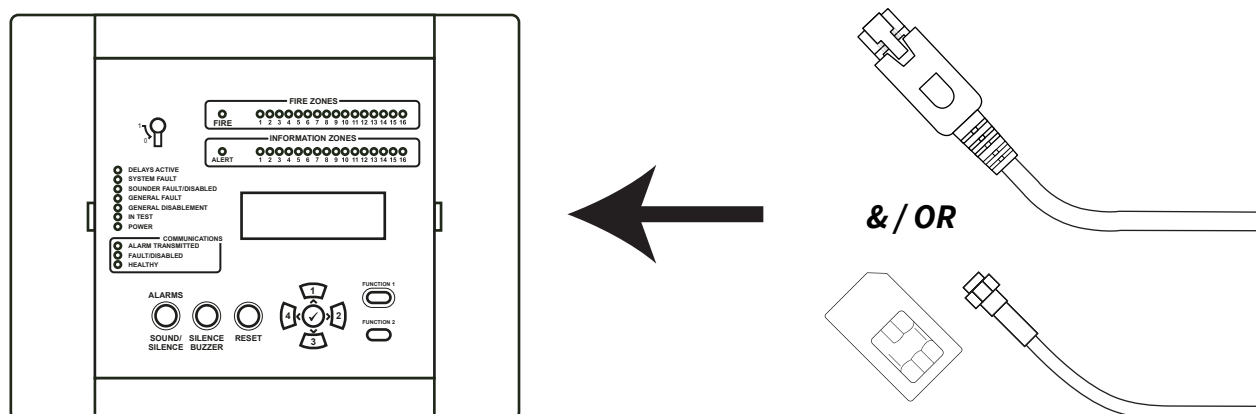


There are two inputs (black connectors), one fire output (red connector) and one fault output (orange connector) available. Connect as required.

Internet connectivity*:

The panel can be internet connected, for communication with an Alarm Receiving Centre (ARC), or to SmartCell services.

Make ethernet and/or 3G connections as necessary:

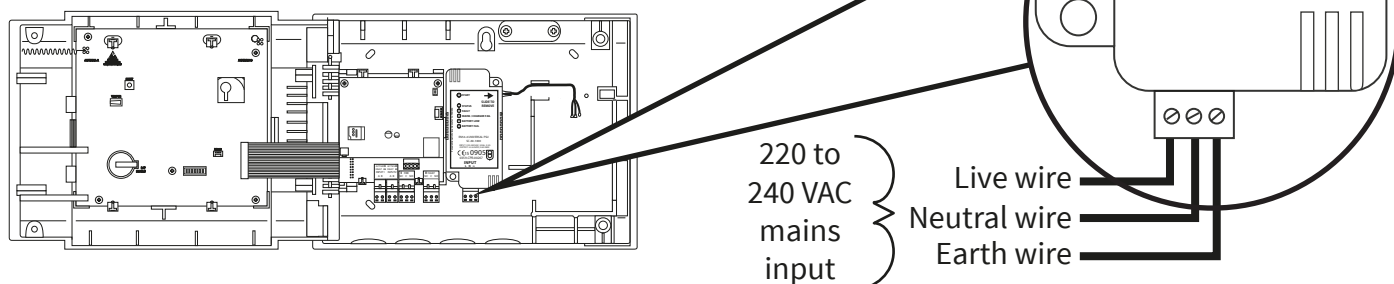


*** Requires communications module**

Panel wiring continued

Make mains power connections:

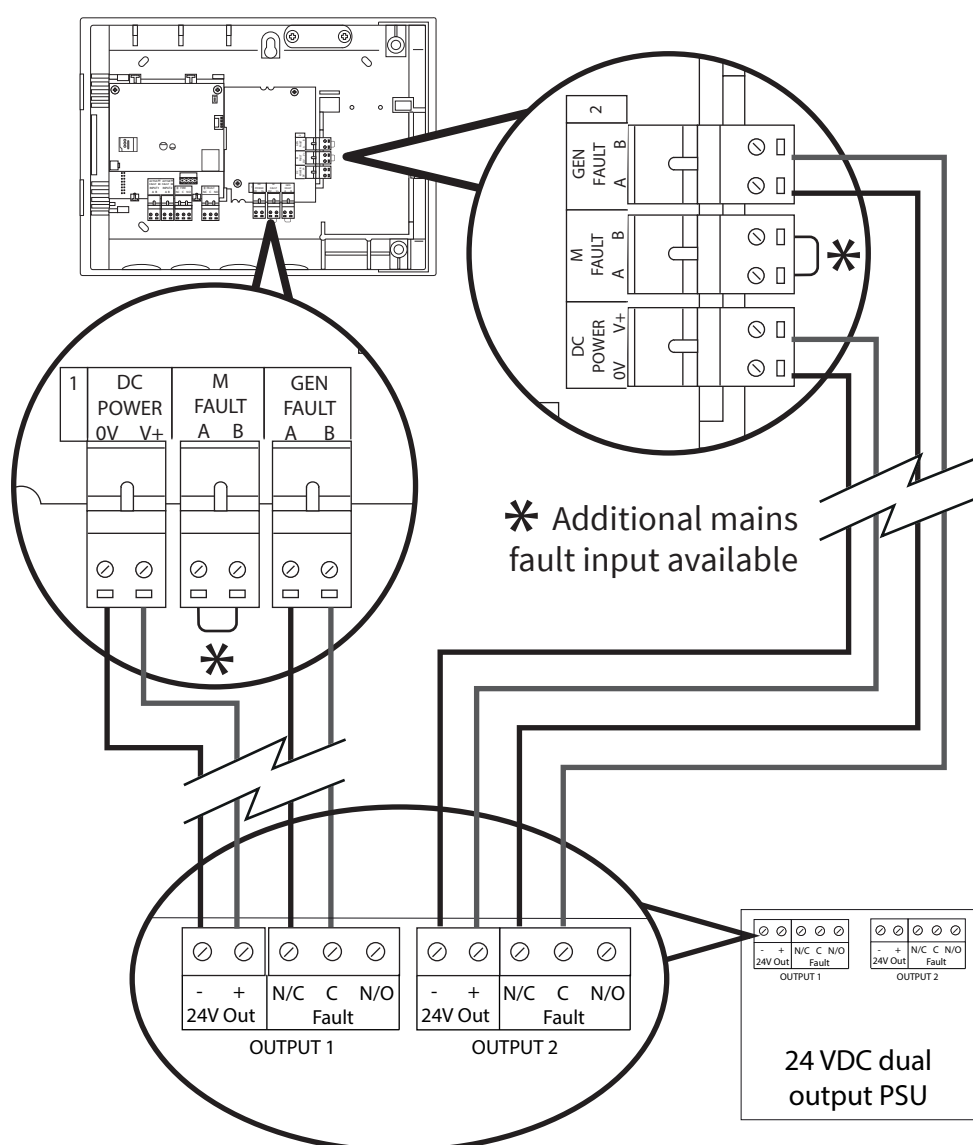
230 VAC panels only.



Make 24 VDC power connections:

24 VDC panels only.

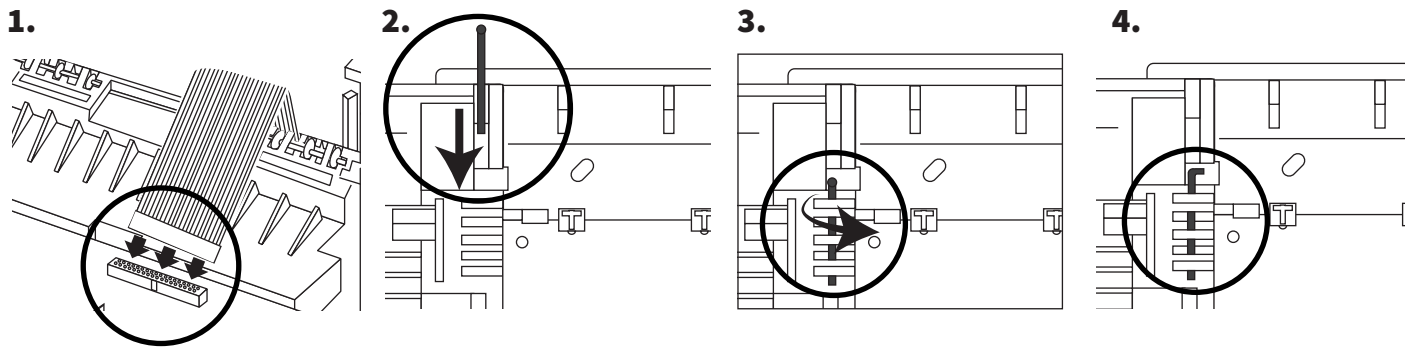
The 24 VDC SmartCell control panel is designed to be powered from 2x 24 VDC power sources, to meet country specific requirements.



- Connect both power inputs.
- There are also general fault inputs (GEN FAULT) and mains fault (M FAULT) available.
- The fault inputs are voltage free.
- If a fault input (GEN FAULT or M FAULT) is not being used, leave the link as factory fitted.

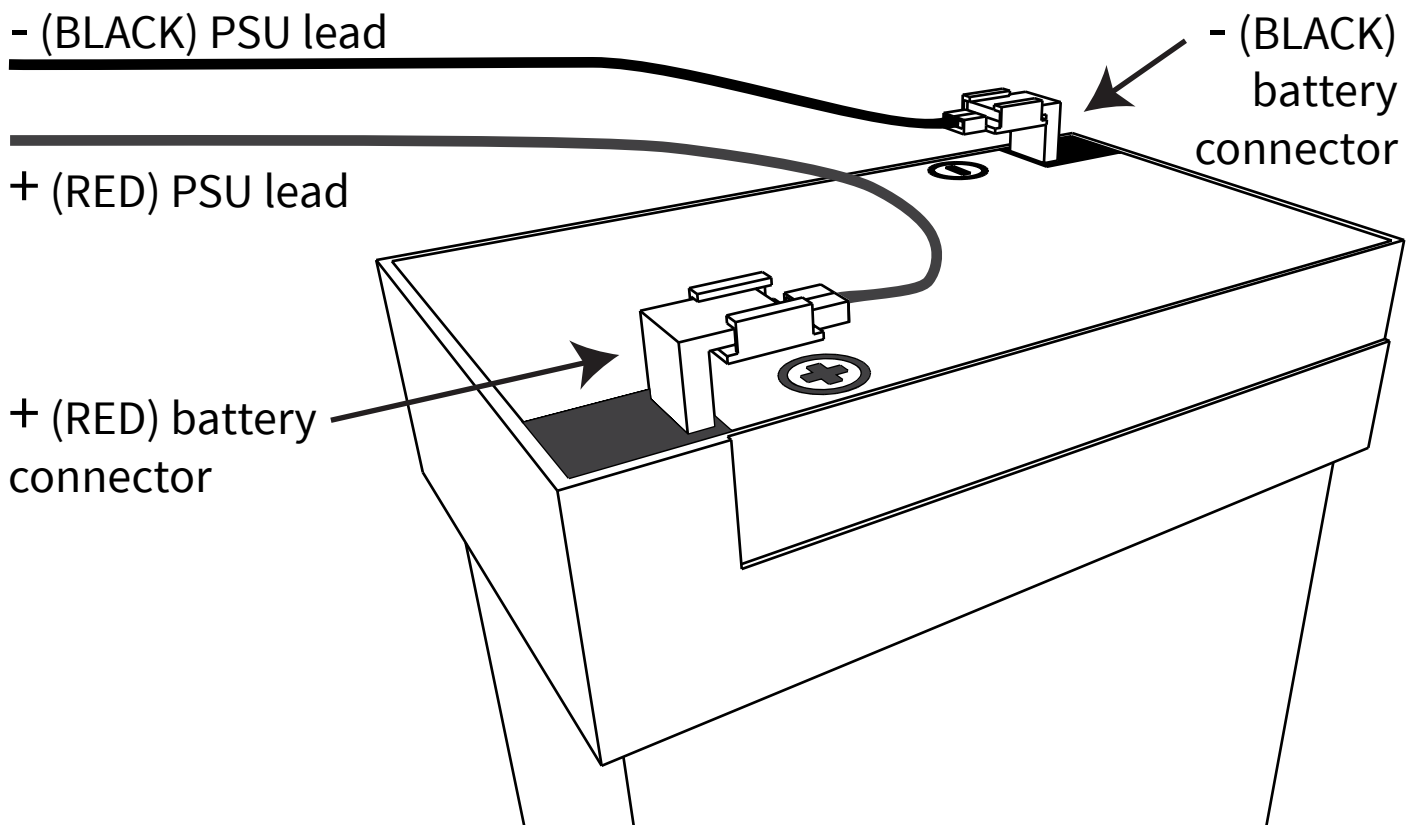
Re-fit door

Re-connect the ribbon cable and re-fit the door hinges.

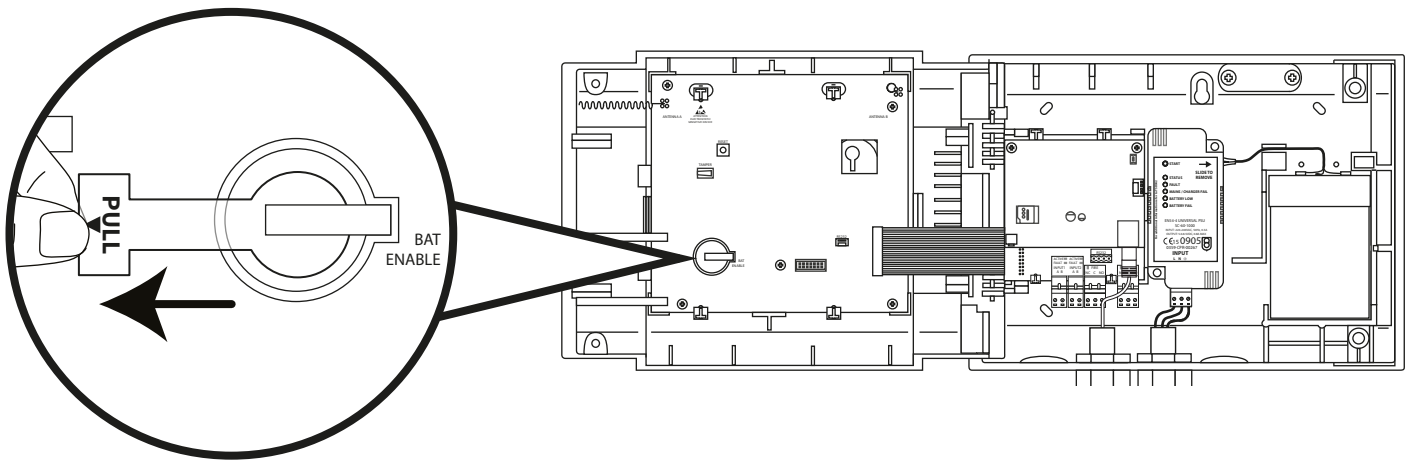


Connect backup battery.

230 VAC panels only.

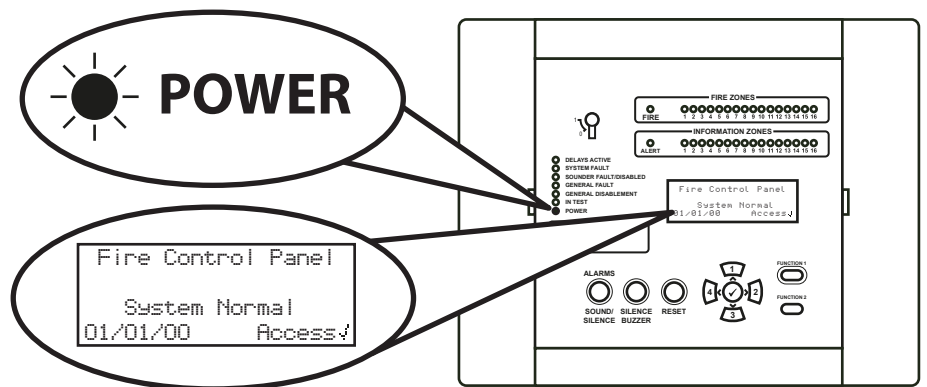


Remove 3V battery tab.



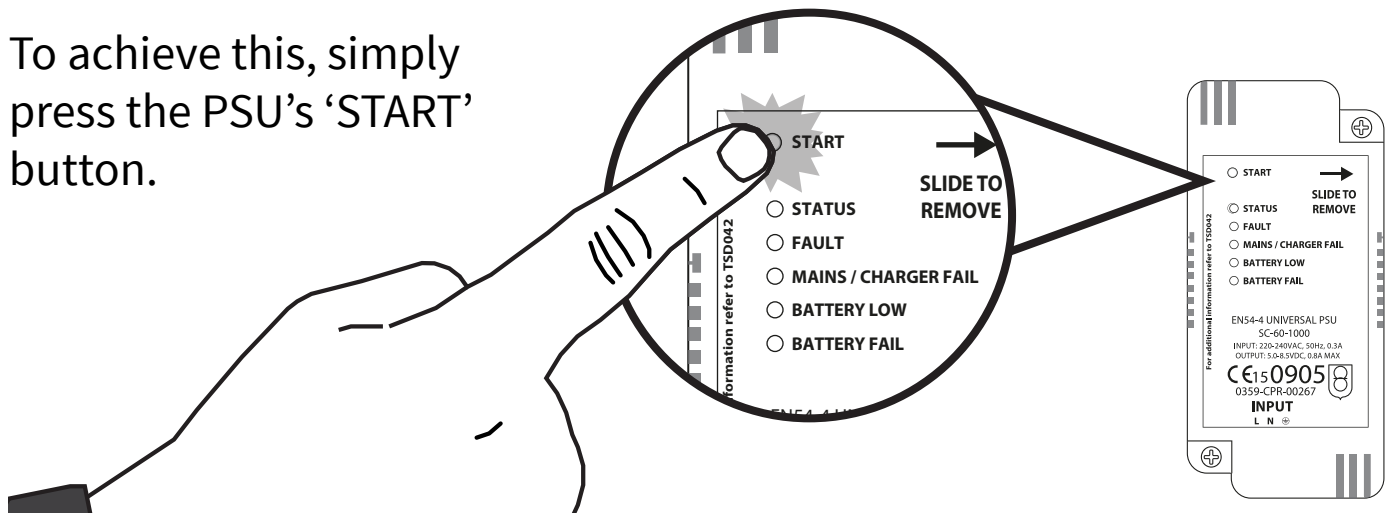
Apply power

The power supply to the control panel can now be switched on.



 Note: If mains supply is unavailable at this point, the control panel can be temporarily powered by the back-up battery.

To achieve this, simply press the PSU's 'START' button.



Engineer menu entry

The following steps are required to access the engineer menu (*access level 3*).

With the SmartCell control panel in its normal state (*enable key in the OFF position*), the screen will display:

```
Fire Control Panel
                System Normal
14:18                      Access✓
```

Press the  button and the screen will display:

```
For Access
Enter Code: _

Press ✓ To Complete
```

Enter the engineer PIN code (*default '333333'*), then press the  button to confirm. The screen will display:

```
* Welcome Service *
    Access Level 3
    Now Available
    All Buttons Active
```

Followed by:

```
*View System Status
    Enable/Disablenents
    Maintenance/Test
    Device Options      0
```

All engineer menus are now available. You can now:

- Set the time & date
- Program devices to the system
- Allocate devices to zones
- Enter device and zone text
- Configure devices, i.e. device sensitivities, sounder tones etc.

Set time & date

From access level 3 (*as previously shown on page 14*), press the  button until the screen displays:

```

→Panel Information
  Language Select
  Factory Access
  Reports
  
```

Press the  button and the screen will display:

```

→Passwords
  Panel Options
  System Options
  Communications
  
```

Press the  button once. The screen will display:

```

  Passwords
→Panel Options
  System Options
  Communication
  
```

Press the  button and the screen will display:

```

→Set Time & Date
  Lamp/Buzzer Test
  Panel Buzzer
  Front Screen Text
  
```

Press the  button and the screen will display:

```

→?:?:??          TIME
  ??/??/??       DATE
  DD/MM/YY       FORMAT
  Press √ To Select
  
```

To change the time, press the  button and the screen will display:
The following buttons are required to set the time:

```

→?:?:??          TIME

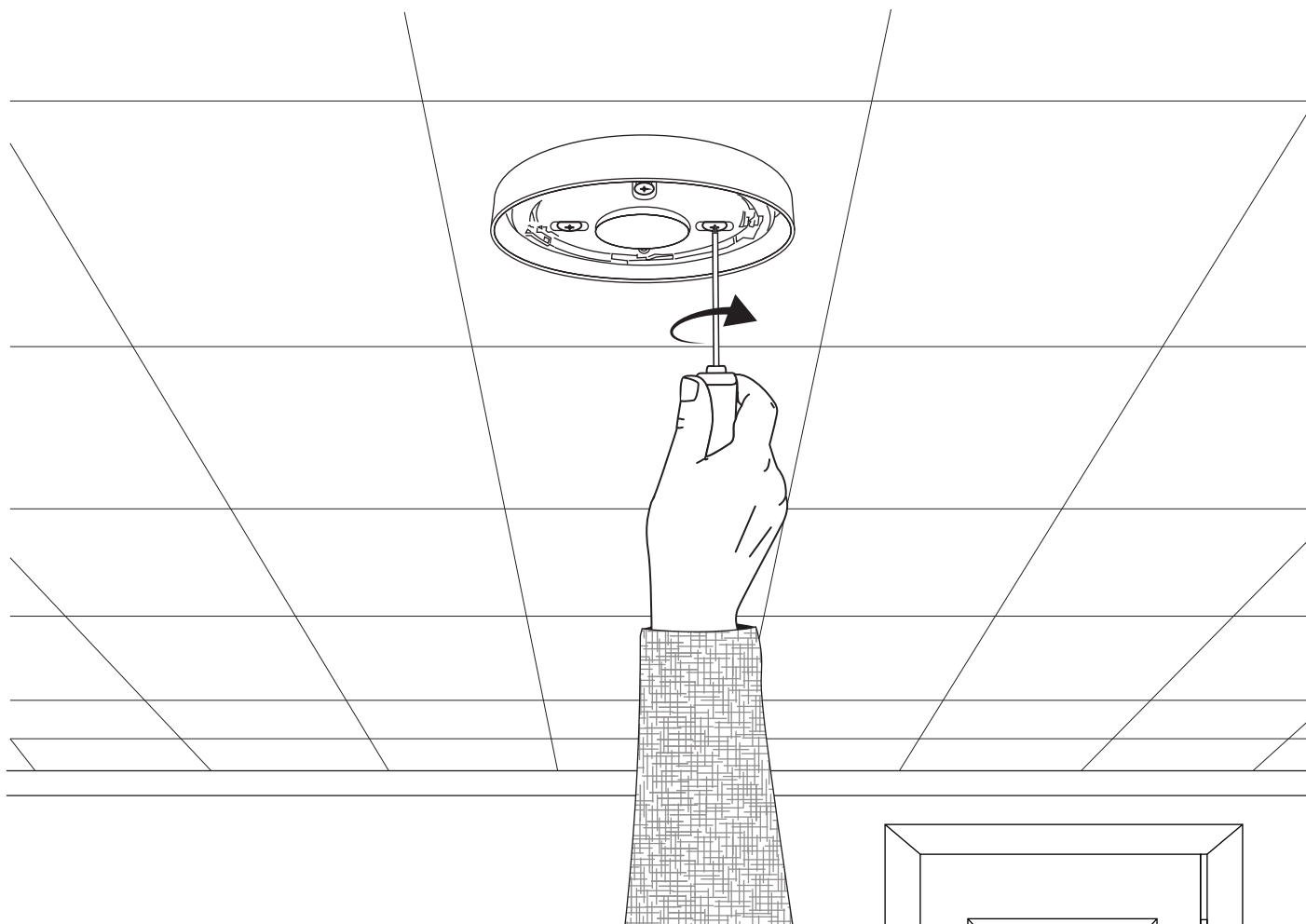
Edit ◊          √ To Select
  
```

Button(s)	Action
 	Increases and decreases the selected value.
 	Moves the cursor between the hour and minute selections.
	Saves the changes and returns to the previous screen.



Note: the same process is used for changing the date.

Install devices



Note: Refer to the associated device installation guide for full details.

Add devices to system

From access level 3 (*as previously shown on page 14*), press the **3** button until the screen displays:

Press the **✓** button and the screen will display:

Press the **✓** button and the screen will display*:

Press the **✓** button and the screen will display:

Insert the device's batteries and the screen will change to show:
Note: For SmartDoor, press the device log on button.

Check that the device ident on-screen matches the device ident shown on the barcode label. Press **✓** to confirm, or **4** to cancel. If accepted, the screen will display:

Followed by:

*Either continue adding new devices (by inserting batteries, or press **4** until the front screen is displayed.*

* Refer to the 'SmartCell Programming Guide' (TSD155) for alternative programming methods.

```
View System Status
Enable/Disablesments
Maintenance/Test
→Device Options  ⏏
```

```
→Add New Device
Remove Device
Edit Settings
Device Zone Text  ⏏
```

```
→At Control Panel
At Device Location
Configure Devices  ⏏
```

```
Insert Batteries
Into Device
NOW
```

```
FIRE Type ?
Sounder Detector
ID:001234
✓Add           <Exit
```

```
New FIRE
Device Added
ID:001234
Zone 00  Address 01
```

```
Add Another
Device ?
✓Continue      <Exit
```

Device attributes

From access level 3 (as previously shown on page 14), press the  button until the screen displays:

Press the  button and the screen will display:

Press the  button until the screen displays:

Press the  button and the screen will display:

Note: press  to change the type.

Press the  button and the screen will display:

Press the  button until the device to configure is shown. Press the  button and the screen will display:

Press the  button and the screen will display:

Available options for each device type are shown overleaf.

```
View System Status
Enable/Disablesments
Maintenance/Test
→Device Options  ◊
```

```
→Add New Device
Remove Device
Edit Settinas
Device Zone Text  ◊
```

```
Add New Device
Remove Device
→Edit Settinas
Device Zone Text  ◊
```

```
→Fire Devices
Information Devices
Panel I/O Devices
◊
```

```
A01          ID:001234
Sounder Detector
ID:001234
Devices ◊      Change>
```

```
A03          ID:001236
Sounder Detector
Beacon ID:001236
Devices ◊      Change>
```

```
→Text Description
Zone Details - Z00
Detection-      Dual
Smoke Sens- Normal◊
```

Menu Selection	Available options
Text Description	Refer to the 'Device location text' section overleaf.
Zone Details	Device zone allocation. The default zone is 0. It is however recommended that devices are allocated to zones. Zone 0 devices are not included in disablements and will always operate as default.
Detection	Detection selection of 'Dual' (smoke & heat), 'Smoke Only' or 'Heat Only'.
Smoke Sen	Smoke sensitivity selection of; 'Normal*†' and 'Normal + AVF'. The AVF option allows additional verification of the alarm condition before reporting.
Heat Sen	Heat sensitivity selection of; '58 °C static*†', '58 °C rate of rise*', '72 °C static*', '72 °C rate of rise*'.
Monitoring	This option allows SmartDoor plunger release to be recorded in the event log. The default is 'ON'.
Indication	This feature links remote indicators to follow detector activation, either: 'By Device', or 'By Zone'. Default is 'OFF'.
Signal Path	Allows communication direct to the control panel or via a range extender, if available.
Sound Volume	Allows device sounder levels of; 'High' or 'Low'.
Self Sound	When enabled, the device will sound upon local alarm detection, whilst wireless communication with the control panel is lost.
Audio/Visual 🔊🔦	Allows device sounder and beacon selection of; sounder & beacon, sounder only and beacon only.
O/P 1 OFF	Choose to switch the device's 'Output 1' off, when either the 'silence' or 'reset' button is pressed.
O/P 2 OFF	Choose to switch the device's 'Output 2' off, when either the 'silence' or 'reset' button is pressed.

*Approved EN54 sensitivities † Default dual sensitivities

Device location text

From access level 3 (as previously shown on page 14), press the  button until the screen displays:

```
View System Status
Enable/Disablenents
Maintenance/Test
*Device Options  <
```

Press the  button and the screen will display:

```
*Add New Device
Remove Device
Edit Settinas
Device Zone Text  <
```

Press the  button until the screen displays:

```
Add New Device
Remove Device
*Edit Settinas
Device Zone Text  <
```

Press the  button and the screen will display:

Note: press  to change the type.

```
*Fire Devices
Information Devices
Panel I/O Devices
<
```

Press the  button and the screen will display the first device logged on to the system:

```
A01          ID:001234
Sounder Detector
ID:001234
Devices<      Chanæ>
```

Press the  button to scroll through the devices until the required device is shown. Press the  button:

Press the  button and the screen will display:

```
*Text Description
Zone Details - Z00
Detection- Dual
Smoke Sens- Normal<
```

Press the  button and the screen will display:

```
Dual Detector
ID:001234

F1 ABC  F2 Delete
```

Refer to the 'Text entry' section overleaf.

Text entry

The following buttons will be required to enter new text descriptions:

Button	Action
	Moves the selected character through the alphabet (forwards), one character at a time.
	Moves the selected character through the alphabet (backwards), one character at a time.
	Moves the cursor (selected character) left, one character at a time.
	Moves the cursor (selected character) right, one character at a time.
FUNCTION 1 	Used to toggle character entry format between; upper case, lower case and number.
FUNCTION 2 	Provides a delete function; press for single character deletion, or press and hold to delete all text.
	Exits from the current screen. The user is asked whether to save the changes ( button for yes and  button for no).

Zone text

From access level 3 (*as previously shown on page 14*), press the  button until the screen displays:

```
View System Status
Enable/Disablenents
Maintenance/Test
→Device Options  ⏏
```

Press the  button and the screen will display:

```
→Add New Device
Remove Device
Edit Settinas
Device Zone Text  ⏏
```

Press the  button until the screen displays:

```
Add New Device
Remove Device
Edit Settinas
→Device Zone Text  ⏏
```

Press the  button and the screen will display:

```
→Fire Zones
Information Zones
⏏
```

Press the  button and the screen will display:

```
→00:Zone 00
01:Zone 01
02:Zone 02
Edit ⏏ ✓ To Enter
```

Press the  button until the → is alongside to zone to be re-text:

```
00:Zone 00
→01:Zone 01
02:Zone 02
Edit ⏏ ✓ To Enter
```

Press the  button and the screen will display:

```
█01:Zone 01

F1 ABC  F2 Delete
```

Refer to the ‘Text entry’ section (*page 21*), for details.

Sounder tones

The default fire tone is TONE 5. Available tones are shown overleaf. To change the fire or information tone, follow the steps below:

From access level 3 (*as previously shown on page 14*), press the  button until the screen displays:

```
→Panel Information
  Language Select
  Factory Access
  Reports
```

Press the  button and the screen will display:

```
→Passwords
  Panel Options
  System Options
  Communication
```

Press the  button until the screen displays:

```
Passwords
Panel Options
→System Options
Communication
```

Press the  button and the screen will display:

```
→Healthy Indicator
  Default Tone Select
  Resound Options
  Sounder Duration
```

Press the  button once. The screen will display:

```
Healthy Indicator
→Default Tone Select
Resound Options
Sounder Duration
```

Press the  button and the screen will display the currently selected tones:

```
→Fire Tone - 05
  Info Tone - 26
```

Press  to change the tone type if req. Press the  button and the screen will display:

```
970Hz - 630Hz, @1Hz
  05 Play>
Tone 05 ✓ To Select
```

Press the  and  buttons to view the available tones and press the  button to select the required tone:

```
800Hz - 970Hz, @1Hz
  03 Play>
Tone 03 ✓ To Select
```

TONE	TONE TYPE	TONE DESCRIPTION / APPLICATION
1.		970Hz
2.		800Hz/970Hz at 2Hz
3.		800Hz - 970Hz at 1Hz
4.		970Hz 1s OFF / 1s ON
5.		970Hz, 0.5s / 630Hz at 1 Hz **Default fire tone**
6.		554Hz, 0.1s / 440Hz, 0.4s (AFNOR NF S 32 001)
7.		500 - 1200Hz, 3.5s / 0.5s OFF (NEN 2575:2000 Dutch slow whoop)
8.		420Hz 0.6s ON / 0.6s OFF (Australia AS1670 Alert tone)
9.		1000 - 2500Hz, 0.5s/ 0.5s OFF x 3/1.5s OFF (AS1670 Evacuation)
10.		550Hz / 440Hz at 0.5Hz
11.		970Hz, 0.5s ON / 0.5s OFF x 3 / 1.5s OFF (ISO 8201)
12.		2850Hz, 0.5s ON / 0.5s OFF x 3 / 1.5s OFF (ISO 8201)
13.		1200Hz - 500Hz at 1Hz (DIN 33 404)
14.		400Hz
15.		550Hz, 0.7s / 1000Hz, 0.33s
16.		1500Hz - 2700Hz at 3Hz
17.		750Hz
18.		2400Hz
19.		660Hz
20.		660Hz 1.8s ON / 1.8s OFF
21.		660Hz 0.15s ON / 0.15s OFF
22.		510Hz, 0.2s / 610Hz, 0.2s
23.		800 / 1000Hz 0.5s each (1Hz)
24.		250Hz - 1200Hz at 12Hz
25.		500Hz - 1200Hz at 0.33Hz
26.		2400Hz - 2900Hz at 9Hz **Default information tone**
27.		2400Hz - 2900Hz at 3Hz
28.		500 - 1200Hz, 0.5s/ 0.5s OFF x 3/1.5s OFF (AS1670 Evacuation)
29.		800Hz - 970Hz at 9Hz
30.		800Hz - 970Hz at 3Hz
31.		800Hz, 0.25s ON / 1s OFF
32.		500Hz - 1200Hz, 3.75s / 0.25s OFF (AS2220)

Note: Tones 1, 4, 5 and 7 are EN54-3 approved tones.

How to delete devices

Should a device require deleting from the system, follow the steps below:

From access level 3 (*as previously shown on page 14*), press the  button until the screen displays:

```
View System Status
Enable/Disablesments
Maintenance/Test
→Device Options  ⏏
```

Press the  button and the screen will display:

```
→Add New Device
Remove Device
Edit Settinas
Device Zone Text  ⏏
```

Press the  button once. The screen will display:

```
Add New Device
→Remove Device
Edit Settinas
Device Zone Text  ⏏
```

Press the  button and the screen will display:

Note: press  to change the type.

```
→Fire Device
Information Device
Range Extenders
✓ Select Type  ⏏
```

Press the  button and the screen will display:

```
Z00 A01
Sounder Detector
ID:001234
01/08  ⏏
```

Press the  button until the device to be deleted is shown and press the  button. The screen will display:

```
Z00 A02
Call Point
ID:001235
✓ Remove
```

Press the  button to confirm and the screen will display:

```
Z00 A02
Call Point
ID:001235
Removing> ■■
```

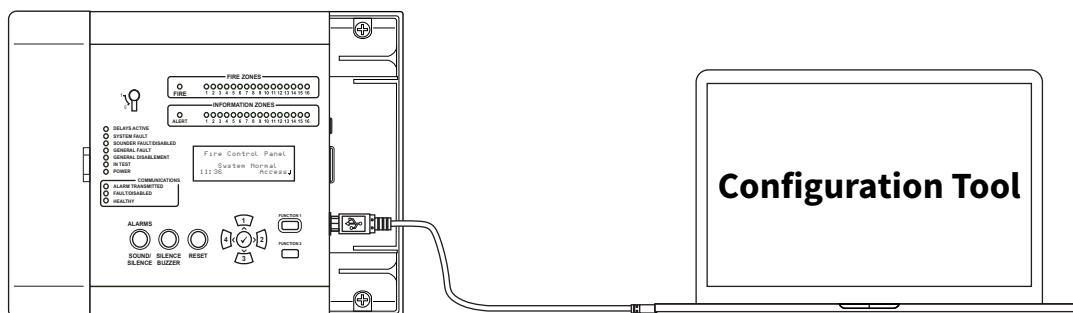
Followed by confirmation of the device's removal from the system:

```
Device Removed
Zone 00 Address 02
```

Set outputs

Default sounder operation is global. Any fire signal, in any zone, will cause all of the system's fire sounders to sound.

Alternative operation, such as zonal and two stage, plus sounder and output delays are also available, via the SmartCell configuration tool.



SmartCell Services configuration

If connection to SmartCell Services is required, Ethernet and/or 3G connections must be made as highlighted in the 'Panel wiring' section.



Installers must be registered to SmartCell Services before carrying out the following steps. To register, visit mysmartcell.com

With the required connections made and mains power present, the internal communications card must be switched on by following the steps below:

From access level 3 (*as previously shown on page 14*), press the **3** button until the screen displays:

```
+Panel Information
Language Select
Factory Access
Reports
```

Press the **✓** button and the screen will display:

```
+Passwords
Panel Options
System Options
Communication
```

Press the  button until the screen displays:

```
Passwords
Panel Options
System Options
→Communication
```

Press the  button and the screen will display:

```
→Read/Write USB
Remote Access
H/W Communicator
```

Press the  button and the screen will display:

```
Read/Write USB
→Remote Access
H/W Communicator
```

Press the  button and the screen will display:

```
→Remote Access OFF
✓ Continue Change >
```

Press the  button and the screen will display:

```
Using Remote Access
May Incur Costs
< Cancel Confirm >
```

Press the  button and the screen will display:

```
For Access Enter
Activation Code:
Press ✓ To Complete
```

Enter the engineer PIN code (*default '333333'*), then press the  button to confirm. The screen will display:

```
→Remote Access ON
✓ Continue Change >
```

Press the  button and the screen will display:

```
→Internal Comms
External Comms
```

Press the  button and the screen will display:

```
→View Status
Edit Options
Account settings
```

Press the  button and the screen will display:

```
View Status
→Edit Options
Account settings
◊
```

Press the  button and the screen will display:

```
→Module In Use      NO
Press √ To Select ◊
```

Press the  button and the screen will display:

```
Module In Use  ?
→NO
YES
Press √ To Select ◊
```

Press the  button and the screen will display:

```
Module In Use  ?
NO
→YES
Press √ To Select ◊
```

Press the  button and the screen will display:

```
Module In Use      YES
ARC Enable          NO
→Services           YES
Press √ To Select ◊
```

Press the  button to scroll through the list and press the  button to change any options that are currently set as no, to yes. Applicable options are shown below:

```
→Module In Use      YES
ARC Enable          YES
Services            YES
Remote Configs      YES
IP Port Used        YES
GPRS Used           YES
Stats               YES◊
```

Note: refer to the SmartCell Control Panel Programming Guide (TSD155) for full details of the above options.

Once complete, press the  button and the screen will display:

```
View Status
→Edit Options
Account settings
◊
```

Press the  button and the screen will display:

→View Status	
Edit Options	
Account settinas	
	↕

Press the  button and the screen will display:

→Module In Use	YES
Module Status	OK
ARC Enable	YES
Services	YES↕

Press the  button to scroll through the list to check the status of the ‘IP Status’ and the ‘GPRS Status’ are as required, prior to account creation.

→Module In Use	YES
Module Status	OK
ARC Enable	YES
Services	YES
Remote Config	YES
IP Port Used	YES
IP Status	OK
GPRS Used	YES
GPRS Status	OK
GPRS Sig	GOOD
Stats	YES↕

Once complete, press the  button and the screen will display:

→View Status	
Edit Options	
Account settinas	
	↕

Press the  button and the screen will display:

View Status	
Edit Options	
→Account settinas	
	↕

Press the  button and the screen will display:

→Create Account	
View Settinas	
Edit Settinas	
	↕

Press the  button and the screen will show a list of available alarm receiving centres. If connection to an alarm receiving centre is not required, 'Services Only' can also be selected to initiate SmartCell Services:

```
→Services Only
  Action24
  Alarmmeldnet
  ChubbParsi
```

Note: care must be taken to select the correct option.

Press the  button and the screen will request confirmation as shown:

```
Services Only
Are You Sure?
y Continue  < Exit
```

Press the  button and the screen will display:

```

Creating Account...
Creation Started
.....

```

***Note: if using GPRS only this process can take up to 15 minutes.
DO NOT cancel once the process has started.***

Once completed confirmation of successful account creation will be shown:

```

Creating Account...
Creation Succeeded

```

The newly created panel account will now be available to claim within SmartCell Services.

Refer to the SmartCell Services Configuration Guide (MK344) for more information.

Device signal levels

From access level 3 (*as previously shown on page 14*), press the  button until the screen displays:

Press the  button and the screen will display:

Press the  button until the screen displays:

Press the  button and the screen will display:

Note: press  to change the type.

Press the  button and the screen will display:

Pressing the  button will provide more information on the category highlighted:

```
View System Status
Enable/Disablesments
→Maintenance/Test
Device Options  ◊
```

```
→Test Zones
Zone Walk Test
Test Event Listing
Sounder.O/P Test  ◊
```

```
→Device Signal List
Device Battery List
Maintenance Date
Edit Service Code  ◊
```

```
→Fire Devices
Information Devices
◊
```

```
→Good Signal      08
Low Signal        00
No Signal         00
More>
```

```
Z01 A08          80dB
Dual Detector
First Floor Landings
GOOD Signal      █
```

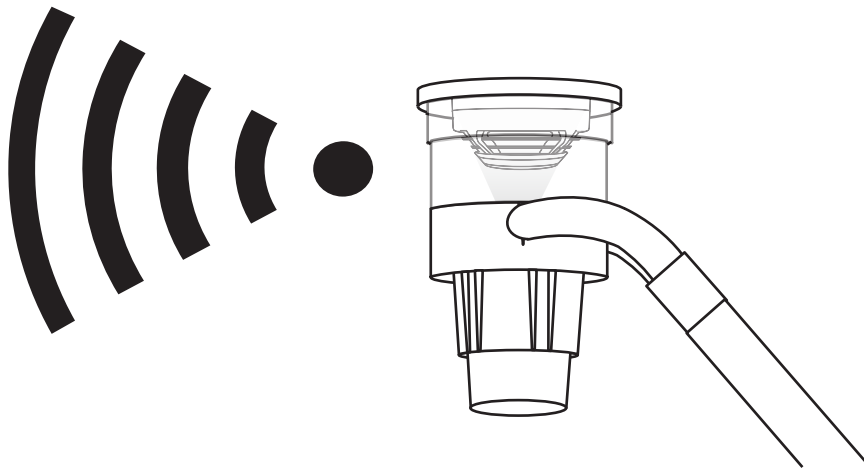


Note: It is important that all devices have GOOD signal levels to ensure the maximum robustness of wireless signalling.

If a device does not achieve a good signal level, for further guidance refer to the 'How to improve device signal levels' section within the 'SmartCell Programming Guide' (TSD155).

Test devices

Every device should be function tested, to ensure correct functionality.



- Smoke detectors should be tested using a smoke detector tester and in accordance with local codes of practice.
- Heat detectors should be tested using a heat detector tester and in accordance with local codes of practice.
- Call Points should be tested in accordance with local codes of practice.
- Sounder operation should also be tested in accordance with local codes of practice.
- Input / Output devices should also be tested in conjunction with associated 3rd party equipment and in accordance with local codes of practice.

Note: If required, the system can be put in to test to avoid disruption on site. Refer to the 'FAQs' section on page 34 for details.

Alternative test modes are also available, including a walk test mode that includes placing detectors in to fast test mode, for ease of testing. Refer to the 'SmartCell Programming Guide' (TSD155) for details.

Congratulations

Your SmartCell system should now be successfully installed.



Note: If you are encountering any problems, refer to the 'FAQs' and 'Troubleshooting' sections on pages 34 and 35 for more information.

System maintenance

Observe local codes of practice when maintaining your SmartCell fire alarm system.

The manufacturer recommends a weekly test, to ensure correct system functionality.

Refer to the 'SmartCell Maintenance Guide' (MK298) for more information.

FAQs

Q: How do I put the zones into test?

A: *from access level 2 or 3 > ‘Maintenance/Test’ > ‘Test Zones’ > ‘Test All Zones’ > select required method (with or without sounders)*

Note: Full details including different methods of testing are outlined in the ‘SmartCell Programming Guide’ (TSD155).

Q: How do I take the zones out of test?

A: *from access level 2 or 3 > ‘Maintenance/Test’ > ‘Test Zones’ > ‘Restore Zones’*

Q: How do I view the event log?

A: *from access level 2 or 3 > ‘View System Status’ > ‘Event History’*

Q: How do I disable a device?

A: *from access level 2 or 3 > ‘Enable/Disablements’ > ‘Fire Devices’ > select required device*

Q: Why is my device not activating into alarm?

A: Firstly check if the device is added to the system. E.g. does the device generate a tamper event when removed from its mounting plate. Check the device’s configuration. E.g. is the device set as a smoke or heat detector? Finally, try putting the system into walk test mode. This puts the devices into rapid test mode, for ease of testing.

From access level 3 > ‘Maintenance/Test’ > ‘Zone Walk Test’

Q: Can I test an individual sounder?

A: Yes - *from access level 3 > ‘Maintenance/Test’ > ‘Sounder.O/P Test’*

Troubleshooting

Dev Type	Fault Displayed	Rectification Process
All	Battery Missing	Check batteries are fitted correctly.
Panel	Mains Fail	Check the mains supply.
Detector	Head Fault	Replace device.
Detector	Head Dirty	Check the device is in a clean environment and is free from smoke, dust and dirt. Replace device, or return to manufacturer.
All	In Tamper	Check the device is assembled correctly.
Input/ Output	Input Open / Short Circuit	Check the 20 k Ω end of line resistor is in place and that connections are secure.
All	No Signal Fault	Check device location to ensure no visible cause can be seen. Check device battery insertion and voltages. Refer to the SmartCell programming guide's 'How to improve device signal levels' section for more information.
All	Battery Low	Replace all device batteries with new specified batteries. See the associated device installation guide and replace within 30 days.
Panel	Battery / Charger Fail	Check the battery voltage and battery connection.
Call Point	Alarm	Check the device resettable element has been reset following alarm. If in alarm, clear the device using the reset key.
Detector	Alarm	Ensure the environment in the device's location is free of smoke, residue and dust.

SmartCell

www.mysmartcell.com

The information contained within this literature is correct at time of publishing. EMS reserves the right to change any information regarding products as part of its continual development enhancing new technology and reliability. EMS advises that any product literature issue numbers are checked with its head office prior to any formal specification being written.