# SmartCell

# Quick Start Guide

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#### 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.

ZO1 A04	TAMPER	
Sounder Det	ector	
ID:001234		
	View>	

ZONES IN FIRE 01 01: Zone 1 View>

Example device fault with default device text:

*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



\* 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.



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



3. Open door.



230 VAC variant shown

### Optional door removal

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



### Cable entry

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



#### Fix panel to wall



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

### Panel wiring

N'S

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 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.



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### **Re-fit door**

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



#### Connect backup battery.

230 VAC panels only.

connector



#### Remove 3V battery tab.



### Apply power

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



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



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### 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:

Press the Øbutton and the screen will display:

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

Followed by:

Fire Control Panel
System Normal
14:18 Access/
For Access
Enter Lode:_
Press 🗸 To Complete
* Welcome Service *
Access Level 3
Now Availahle
HII BUTTONS HETIVE
-
PView System Status
Enable/Disablements
Maintenance/Test

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 <u>3</u> button until the screen displays:

Press the Øbutton and the screen will display:

Press the <u>s</u> button once. The screen will display:

Press the 🕜 button and the screen will display:

Press the Øbutton and the screen will display:

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

Panel Information	
Lansuase Select	
Factory Access	
Reports	$\hat{\mathbf{x}}$
→Edit Users	
Panel Options	
System Options	
Communications	Ĉ
Edit Users	
→Panel Options	
System Options	
Communication	Ċ
⇒Set Time ∉ Date	
Lamp/Buzzer Test	
Panel Buzzer	
Front Screen Text	0
*???:??	
??/??/?? DAT	
DD/MM/YY FORMF	Π
Press / To Select	
P <b>ri</b> : ?? TI	ME
Edit: JTo Sele	ct

Button(s)	Action
	Increases and decreases the selected value.
4 2	Moves the cursor between the hour and minute selections.
$\checkmark$	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 <u>3</u> 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.

View System Status Enable/Disablements Maintenance/Test 0 Device Options \*Add New Device Remove Device Edit Settines Device Zone Text  $\bigcirc$ \*At Control Panel At Device Location Configure Devices 0 Insert Batteries Into Device NAM FIRE Type ? Sounder Detector TD:001234 Add <Exit

New FIRE Device Added ID:001234 Zone 00 Address 01

Add Another Device ?	
./Continue	<exit< th=""></exit<>

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

### Device attributes

From access level 3 (*as previously shown on page 14*), press the <u>3</u> 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 (3) 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/Disablements Maintenance/Test >Device Options \$

→Add New Device Remove Device Edit Settinss Device Zone Text ¢

Add New Device Remove Device •Edit Settinss Device Zone Text \$

→Fire Devices Information Devices Panel I/O Devices ≎

A01 ID:001234 Sounder Detector ID:001234 Devices © Change>

AOS ID:001236 Sounder Detector Beacon ID:001236 Devices Chanse>

→Text Description Zone Details - 200 Detection- Dual Smoke Sens- Normal≎

Menu Selection	Available options
Text Description	Refer to the 'Device location text' section overleaf.
Zone Details	<i>Device zone allocation.</i> 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 set	nsitivities † Default dual sensitivities

#### Device location text

From access level 3 (*as previously shown on page 14*), press the <u>3</u> 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 the first device logged on to the system:

Press the (3) button to scroll through the devices until the required device is shown. Press the () button:

Press the 🕢 button and the screen will display:

Press the 🕢 button and the screen will display:

Refer to the 'Text entry' section overleaf.

→Add New Device Remove Device Edit Settings Device Zone Text ≎

Add New Device Remove Device \*Edit Settings Device Zone Text ≎

Fire Devices Information Devices Panel I/O Devices

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

*Text Description
Zone Details - ZOO
Detection- Dual
Smoke Sens- Normal¢
<b>D</b> ual Detector
ID:001234
F1 ABC F2 Delete

#### 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.
3	Moves the selected character through the alphabet (backwards), one character at a time.
4	Moves the cursor (selected character) left, one character at a time.
2	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.
$\checkmark$	Exits from the current screen. The user is asked whether to save the changes ( 🕢 button for yes and 4 button for no).

#### Zone text

From access level 3 (*as previously shown on page 14*), press the <u>3</u> 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:

Press the 🕢 button and the screen will display:

Press the 3 button until the  $\rightarrow$  is alongside to zone to be re-text:

Press the 🕢 button and the screen will display:

View System Status
Enable/Disablement
Maintenance/Test
Nauica Aptions
⇒Add New Device
Remove Nevice
Edit Sattinac
Daniaa Zasa Taut
Device zone rexc
Add New Device
Ramoua Nauira
Edit Cattinae
Anniae Zees Taut
PEVICE ZUNE TEXC
⇒Fire Zones
Theorem tion Zanad
III O Macion 20165
÷00:7opa 00
01.75501
01.2018 01 00.7aaa 00
UZ:ZUNE UZ Fj:+ / / T_ F_+
Eait 0 V lo Enter
00.7000
7UI:20Ne Ul
U2:Zone 02
Edit 🗘 J To Enter
Mone 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 ( <i>as previously shown on page 14</i> ), press the <u>3</u> button until the screen displays:	<pre> Panel Information Language Select Factory Access Reports \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</pre>
Press the 🕢 button and the screen will display:	<pre>*Edit Users Panel Options System Options Communication  \$\$</pre>
Press the 🛐 button until the screen displays:	Edit Users Panel Options >System Options Communication \$
Press the 🕢 button and the screen will display:	<pre>*Healthy Indicator   Default Tone Select   Resound Options   Sounder Duration </pre>
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 $(3)$ to change the tone type if req. Press the $(\mathbf{y})$ button and the screen will display:	970Hz - 630Hz, @1Hz  05 Play> Tone \$ J To Select
Press the $\textcircled{1}$ and $\textcircled{3}$ buttons to view the available tones and press the $\checkmark$ button to select the required tone:	800Hz - 970Hz, @1Hz  03 Play> Tone 0 J To Select

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TONE	ΤΟΝΕ ΤΥΡΕ	TONE DESCRIPTION / APPLICATION
1.	<u></u>	970Hz
2.		800Hz/970Hz at 2Hz
3.	1111	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.	$\land \land \land$	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.	$\land \land \land$	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.	1111	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.	1111	250Hz - 1200Hz at 12Hz
25.		500Hz - 1200Hz at 0.33Hz
26.	1111	2400Hz - 2900Hz at 9Hz **Default information tone**
27.	1111	2400Hz - 2900Hz at 3Hz
28.		500 - 1200Hz, 0.5s/ 0.5s OFF x 3/1.5s OFF (AS1670 Evacuation)
29.	1111	800Hz - 970Hz at 9Hz
30.	1111	800Hz - 970Hz at 3Hz
31.		800Hz, 0.25s ON / 1s OFF
32.	$\land \land \land$	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 <u>3</u> button until the screen displays:

Press the 🕢 button and the screen will display:

Press the 🛐 button once. The screen will display:

Press the  $\checkmark$  button and the screen will display: Note: press  $\sub{3}$  to change the type.

Press the 🕢 button and the screen will display:

Press the (3) button until the device to be deleted is shown and press the (2) button. The screen will display:

Press the 🕢 button to confirm and the screen will display:

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

View System Status Enable/Disablements Maintenance/Test Device Options ≎

→Add New Device Remove Device Edit Settinss Device Zone Text ≎

Add New Device \*Remove Device Edit Settines Device Zone Text \$

ZOO AO1 Sounder Detector ID:001234 01/08 ≎

ZOO AO2 Call Point ID:001235 √ Remove

ZOO AO2 Call Point ID:001235 Removins> **U** 

Devic	;e F	lemoved	
Zone	00	Address	02

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#### 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 *shown until the screen displays:* 

Press the 🕜 button and the screen will display:

*Panel Informati	on
Language Select	
Factory Access	
Reports	0

Press the <u>s</u> button until the screen displays:

Press the 🕢 button and the screen will display:

Press the <u>s</u>button and the screen will display:

Press the 🕜 button and the screen will display:

Press the 🕢 button and the screen will display:

Press the 🕜 button and the screen will display:

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

Press the 🕢 button and the screen will display:

Press the 🕢 button and the screen will display:

Edit Users Panel Options System Options  $^{\circ}$ +Communication →Read/Write USB Remote Access H/W Communicator 0 Read/Write USB +Remote Access H/W Communicator  $\bigcirc$ +Remote Access OFF Continue Chanse > Using Remote Access May Incur Costs Confirm > Cancel For Access Enter Activation Code: Press / To Complete +Remote Access ΟN. Continue Chanse Σ +Internal Comms External Comms  $\sim$ →View Status Edit Options Account settines 0 Press the  $\Im$  button and the screen will display:

Press the 🕜 button and the screen will display:

Press the 🕜 button and the screen will display:

Press the Subutton and the screen will display:

Press the 🕢 button and the screen will display:

Press the (3) button to scroll through the list and press the (2) button to change any options that are currently set as no, to yes. Applicable options are shown below:

View Status	
⇒Edit Options	
Account setting	95
	ं
⇒Module In Use	NO
Press / To Sel	ect 🔅
Module In Use	?
+NO	
YES	
Press / To Sel	ect 🗧
Module In Use	?
NO	
→YES	
Press J To Sel	ect 🔅
Madula Ta Ilea	uce
	YEO NO
I ANG ENADIE	
The services	YEƏ
Press J to Set	ect 🗘
→Module In Use	YES
ARC Fnahle	VES
Services	VES
Remote Confie	VEC
IP Port Head	vpe
	vec
oldus	ΥCΟ

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 (1) button and the screen will display:

Press the 🕢 button and the screen will display:

Press the 3 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.

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

Press the <u>s</u>button and the screen will display:

Press the 🖌 button and the screen will display:

Press the 🕜 button and the screen will display:



#### 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 VAR002222

The newly created account will now be live and visible within SmartCell Services.

### Device signal levels

View System Status From access level 3 (as previously Enable/Disablements shown on page 14), press the 3→Maintenance/Test button until the screen displays: Device Options +Test Zones Press the  $(\checkmark)$  button and the screen Zone Walk Test will display: Test Event Listing Sounder.0/P Test \*Device Sisnal List Press the 3 button until the screen Device Battery List displays: Maintenance Date Edit Service Code 🌣 Fire Devices Press the  $(\checkmark)$  button and the screen Information Devices will display: Note: press (3) to change the type. ⇒Good Sienal Press the  $\checkmark$  button and the screen Inm Signal will display: No Sienal More>

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

Z01 A08	80d8
Dual Detecto	or-
First Floor	Landins
GOOD Sienal	<b>=== (##  ##  ##</b> 🗘

0

0

08

nn

00



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 $\Omega$ 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.



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