

SmartCell



ARC-ONLY CONNECTION Quick Start Guide

Introduction

This quick start guide shows you how to configure the SmartCell system to work with DigiAir Pro 3 and GradeShift Pro 2 communication modules for ARC-only connection.

Connection to SmartCell Services is not currently supported using this method.



DigiAir Pro 3



GradeShift Pro 2

Connection types

There are two methods of connection available:

Method 1 - *Serial connection*

This method provides full fire and fault information sent via the SmartCell control panel's serial port.

Method 2 - *Hardwired (pins) connection*

This method provides fire, fault and acknowledgement signals only, via the SmartCell control panel's hardwired input and output connections.

To meet the EN54-21 requirements for monitoring, method 2 must be used.

Important information



It is not possible to use both serial and hardwired connections at the same time! Follow the instructions for only one method.



To meet the EN54-21 requirements for monitoring method 2 should be used.

Additional details can be found in the [DualCom Pro 2 Fire EN54 Variant Quick Guide](#).



For technical specifications and configuration details of the CSL communication modules, please visit www.csl-group.com/uk/installer-zone/

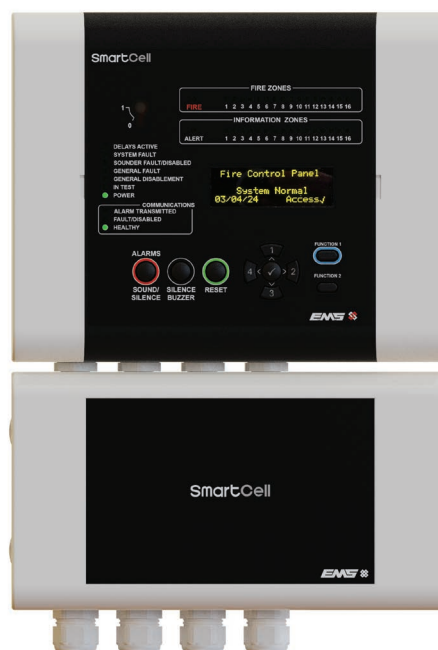


When using a serial connection, in the CSL Portal, set the 'CSL Hardware Type' to 'EMS-SmartCell-RS232'.

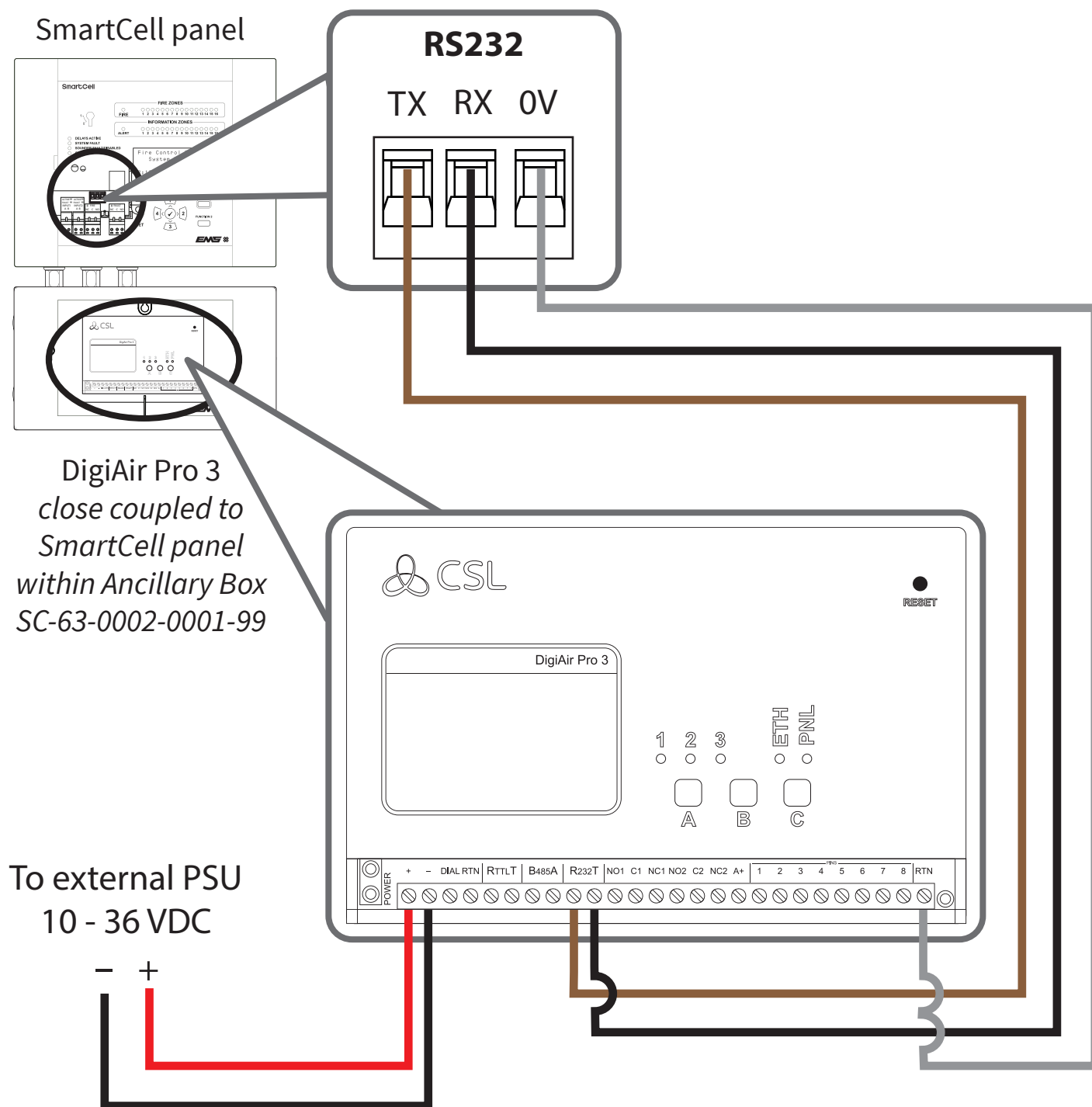


The CSL communication module must be powered by a suitable external 10 to 36 VDC power supply and housed in a separate enclosure, such as the SmartCell Ancillary Box.

SmartCell Ancillary Box
SC-63-0002-0001-99
(sold separately)

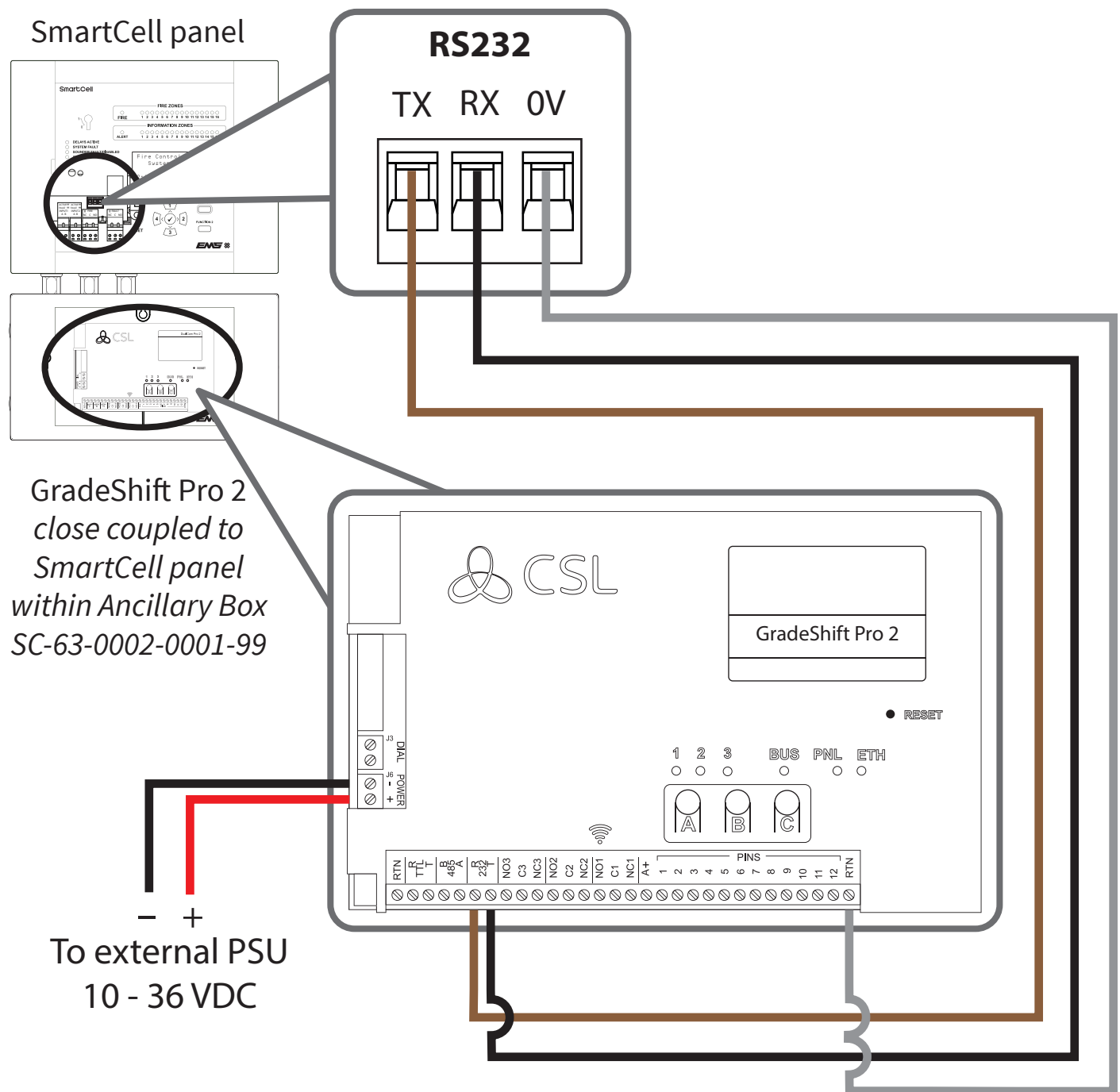


DigiAir Pro 3 wiring for *serial connection*



Programmable SIA options are available to allow SIA information to be sent via the serial connection. Use SmartCell Configuration Tool version 1.2.101.12126 or higher to enable.

GradeShift Pro 2 wiring for *serial connection*



Programmable SIA options are available to allow SIA information to be sent via the serial connection. Use SmartCell Configuration Tool version 1.2.101.12126 or higher to enable.

SmartCell panel configuration for *serial connection*

The following steps are required to configure the SmartCell control panel for ARC only connection via **serial connection**.

If connecting via hardwired connection, ignore these steps.

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

Followed by:

Press the  button until the screen displays:

Press the  button and the screen will display:

Press the  button until the screen displays:

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

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

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

```
*View System Status
  Enable/Disablements
  Maintenance/Test
  Device Options  ⏏
```

```
*Panel Information
  Language Select
  Factory Access
  Reports  ⏏
```

```
*Passwords
  Panel Options
  System Options
  Communication  ⏏
```

```
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:

```
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 the options to match the screen as shown:

```
→Module In Use      YES
ARC Enable          YES
Services            NO
Remote Confis       NO
IP Port Used        NO
GPRS Used           YES
Stats               NO◊
```

Once complete, press the  button until the front screen is displayed:

```
Fire Control Panel

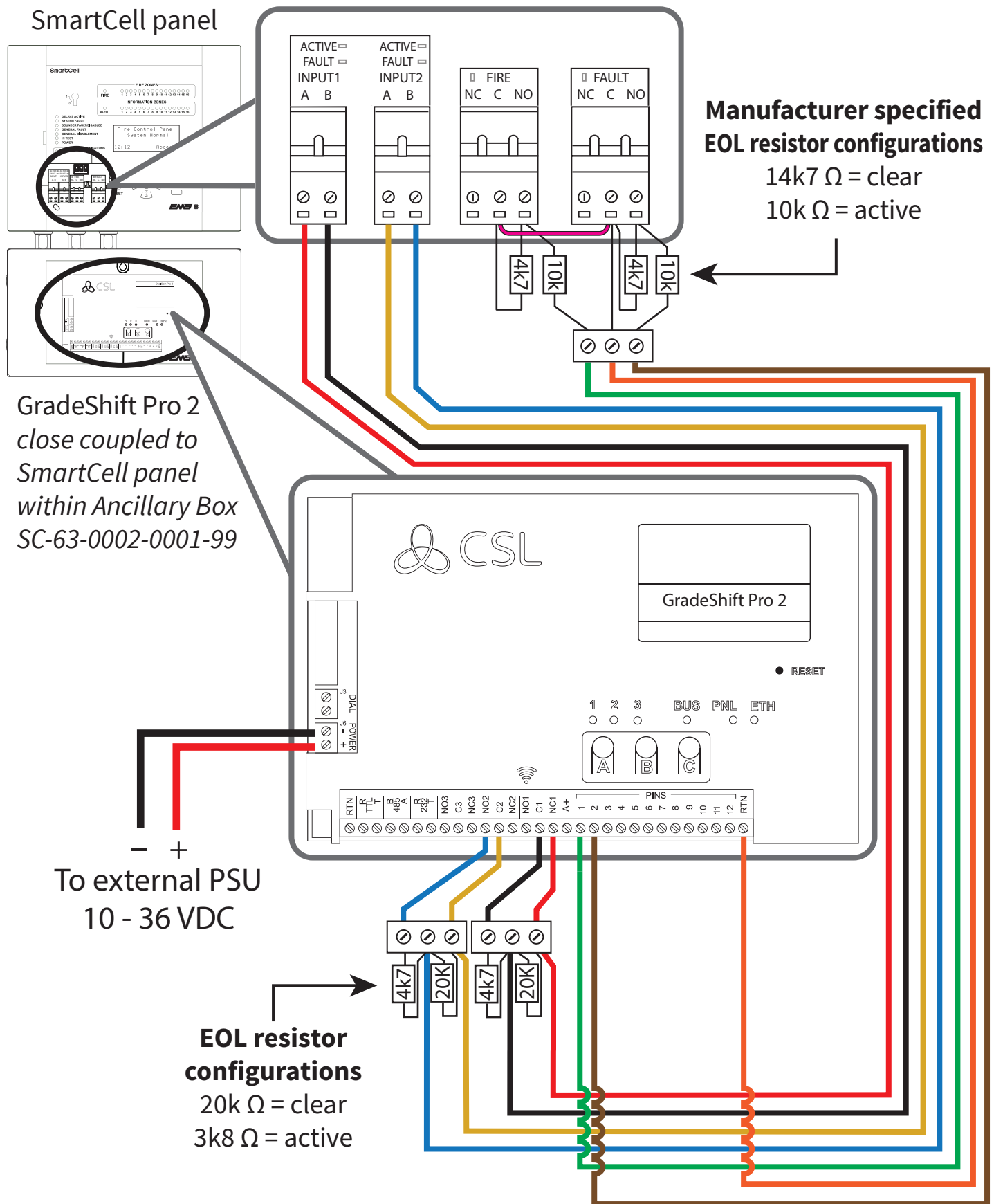
      System Normal
14:23      Access/
```

The SmartCell control panel is now configured to send messages to the ARC.



Testing must now be carried out to ensure messages are correctly received at the ARC.

Wiring for *hardwired connection*



SmartCell panel configuration for ***hardwired connection***

The following steps are required to configure the SmartCell control panel for ARC only connection via ***hardwired connection***.

If connecting via serial connection, ignore these steps.

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

Followed by:

Press the  button until the screen displays:

Press the  button and the screen will display:

Press the  button until the screen displays:

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

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

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

```
*View System Status
  Enable/Disablements
  Maintenance/Test
  Device Options  ⏏
```

```
*Panel Information
  Language Select
  Factory Access
  Reports  ⏏
```

```
*Passwords
  Panel Options
  System Options
  Communication  ⏏
```

```
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:

```
→Fire Routine
Fault Routine
◇
```

Press the  button and the screen will display:

```
→Output          NO
Fault I/P        NO
Invert Input     NO
ACK Input        NO
```

Press the  button to scroll through the list and press the  button to change the options to match the screen as shown:

```
→Output          YES
Fault I/P        01
Invert Input     NO
ACK Input        02
Invert Input     NO◇
```

Once complete, press the  button until the front screen is displayed:

```
Fire Control Panel

      System Normal
14:23      Access✓
```

The SmartCell control panel is now configured to send messages to the ARC.



Testing must now be carried out to ensure messages are correctly received at the ARC.

SmartCell

www.mysmartcell.com

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