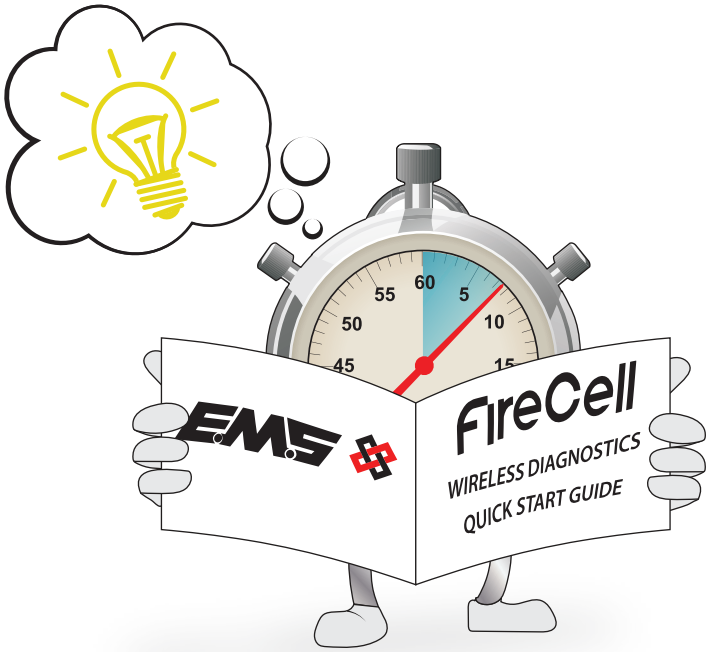
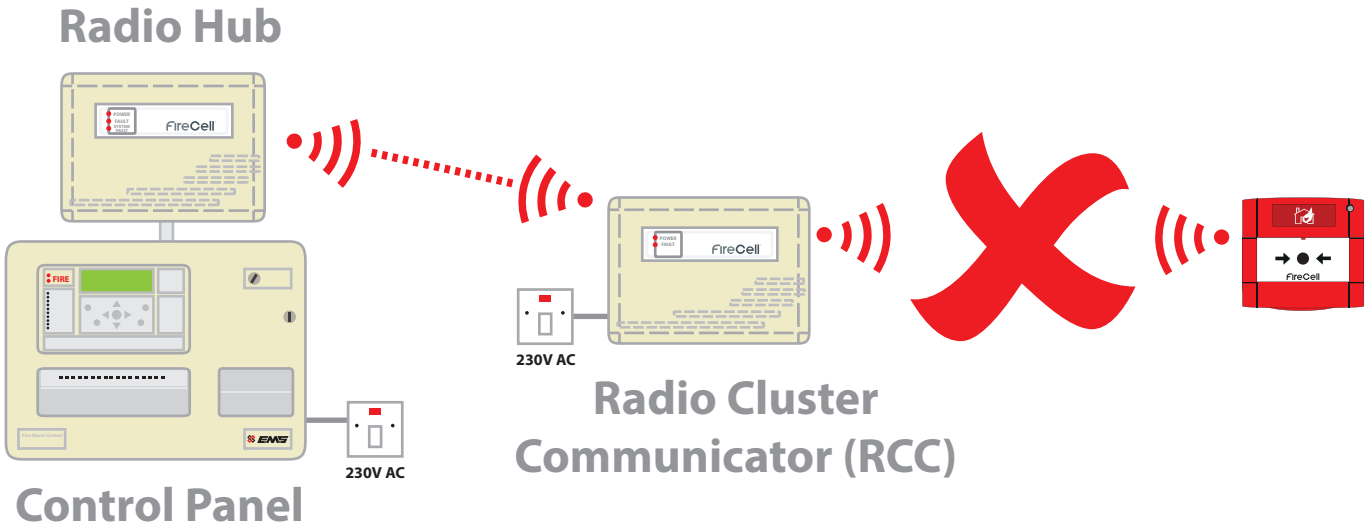
FireCell



WIRELESS DIAGNOSTICS
QUICK START GUIDE



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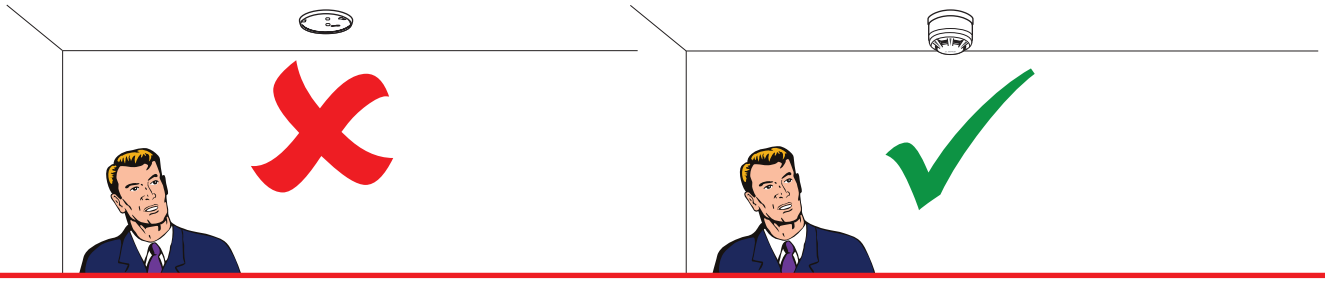
How to resolve a disconnect fault

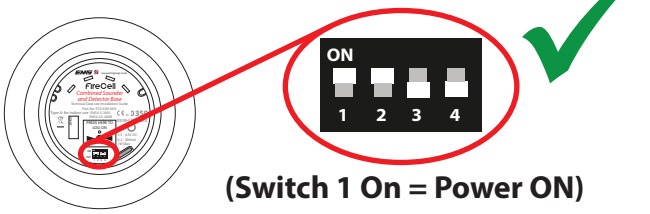
A device disconnect fault is shown on the Control Panel display, if the communication path between the individual device and it's associated Radio Cluster Communicator is not present. The majority of device disconnect faults can be investigated and resolved by following these 10 simple steps:

Step 1 Is the device in it's location?



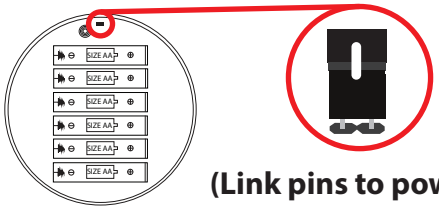
Step 2 Is the device powered?

Combined Sounder Detectors are powered by Switch 1 as shown:



(Switch 1 On = Power ON)

Other wireless devices have power jumpers as shown:-

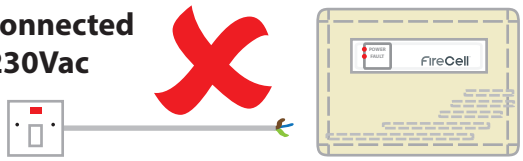


(Link pins to power device)

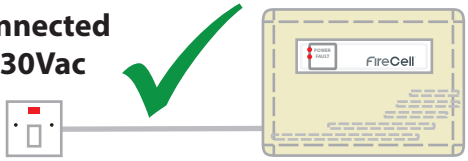
Step 3 Is the associated RCC powered?

If not, all devices reporting to the RCC will be disconnected.

Disconnected 230Vac

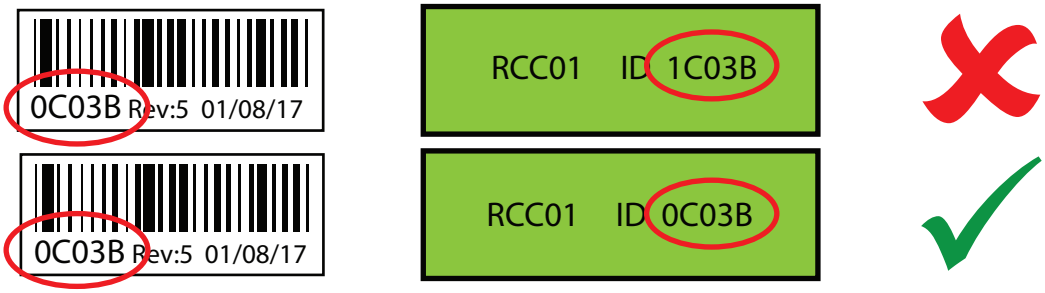


Connected 230Vac

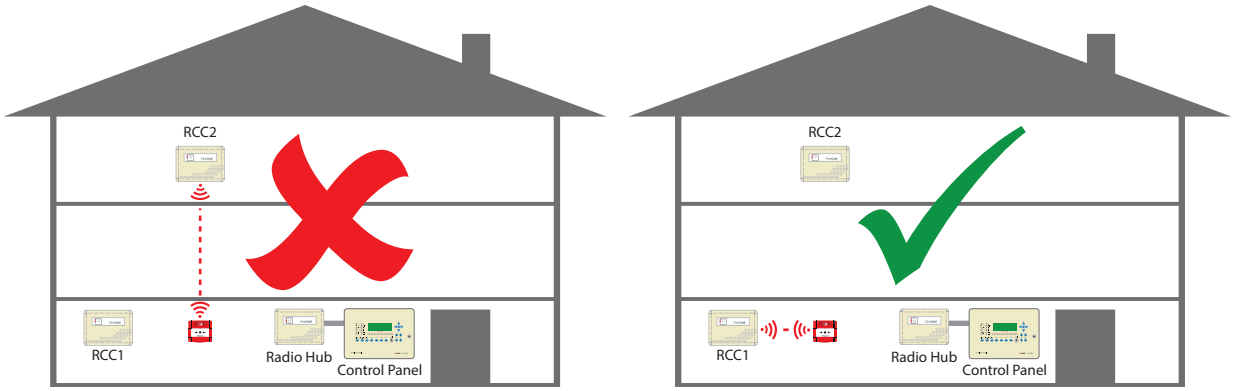


Step 4 Is the ident programmed correctly?

Check the device's ident located on the side of the device under the barcode and cross reference it with the ident programmed into the Radio Hub.



Step 5 Is the device allocated to the correct RCC?

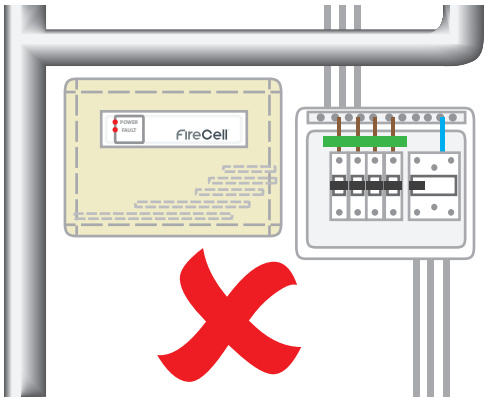


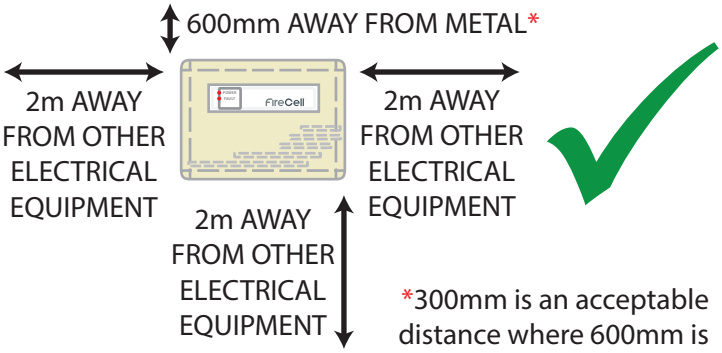
If not try moving the device to the correct/closest RCC. Details can be found within the FireCell Programming Manual (MK98).

If there is no other RCC to add the device to; an additional RCC may be required, or the device may require relocation to achieve a better signal.

Step 6 Is the RCC installed as per the survey?

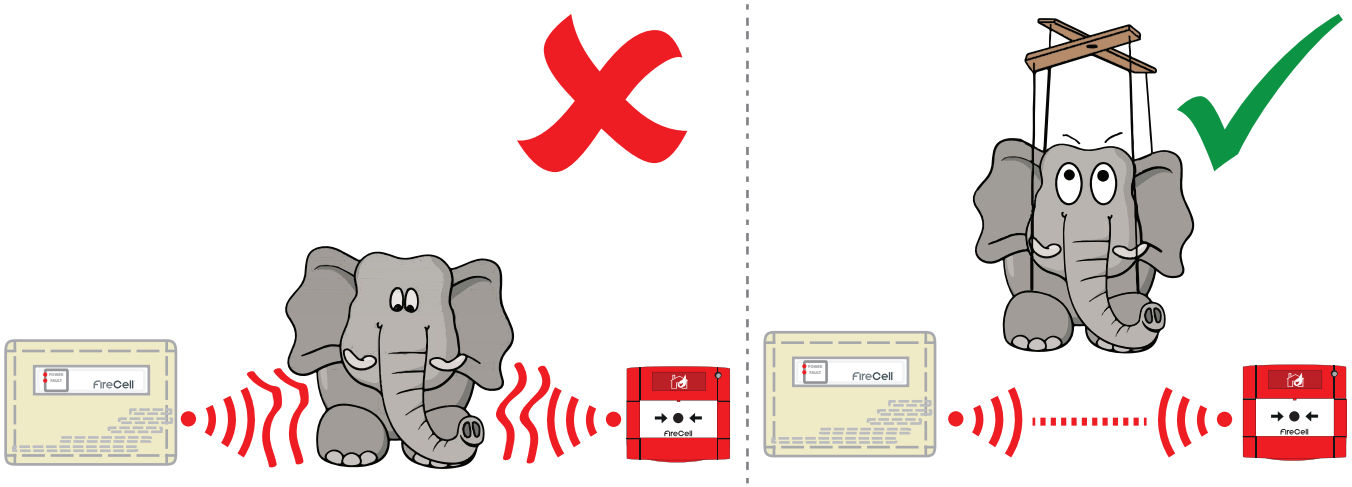
The recommended distance between metal objects from the aerial is 600mm. The recommended distance to any other electrical equipment is 2 metres.



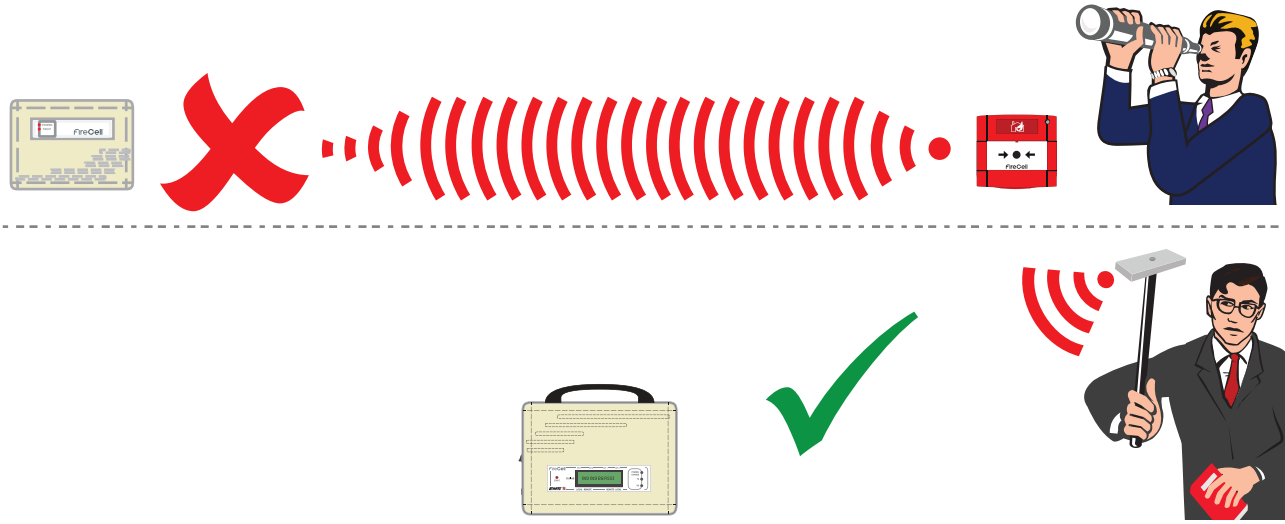


*300mm is an acceptable distance where 600mm is not achievable

Step 7 Could anything be blocking the signal?



Step 8 Has a wireless survey been carried out?



Step 9 Check the device signal strength:

Whilst trying to improve wireless communication, it is important that signal levels are checked to ensure they are adequate. The devices bi-directional signal information is displayed in the 'Signal level' menu, found in the Radio Hub:

From front display **Device Status** *Select desired device no* **Signal Level**

Received signal levels should be a minimum of 20dB.

Step 10 Still experiencing problems?

Call EMS Technical Support on +44 (0) 8712 710 804* for expert advice.

* Calls cost 7p per minute plus your phone company's access charge.

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MK252 Iss 3 15/08/2018 AJM