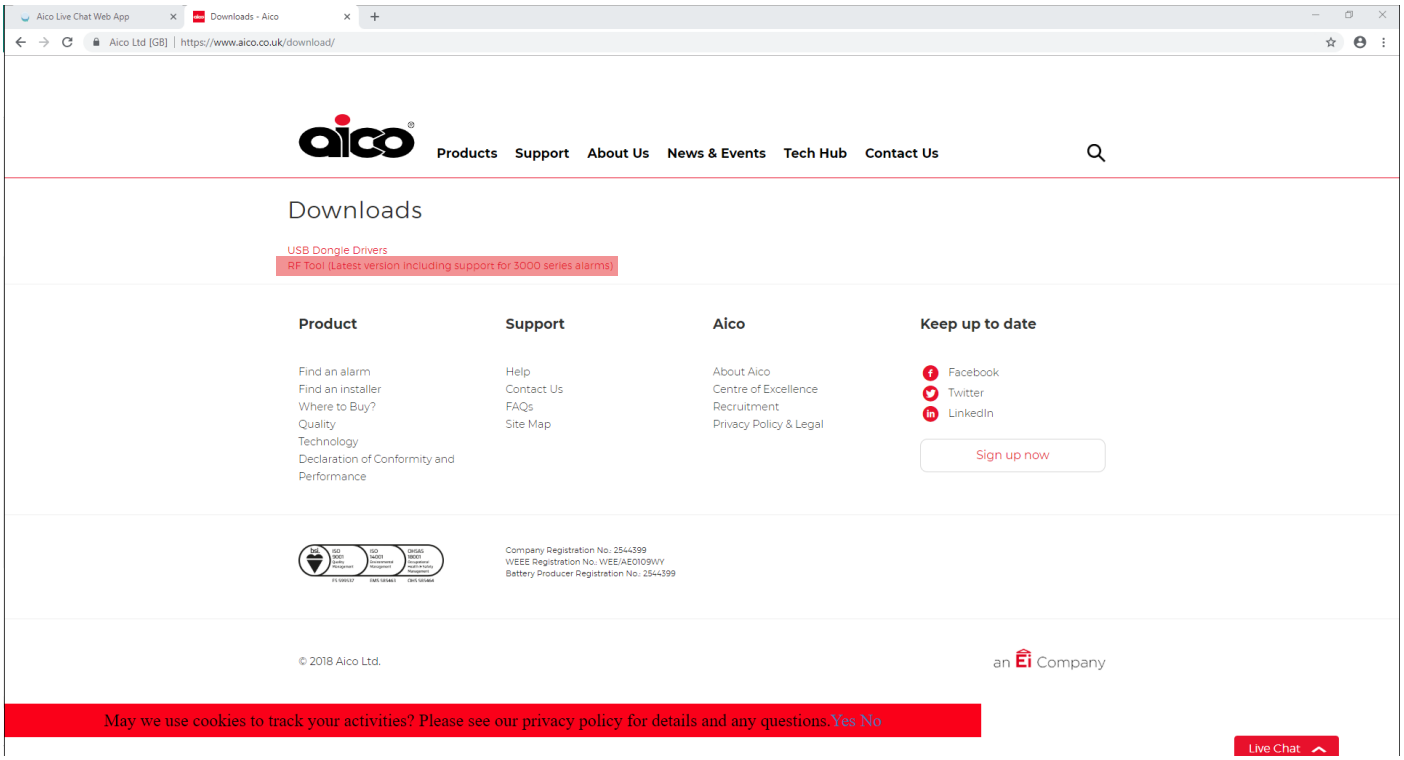
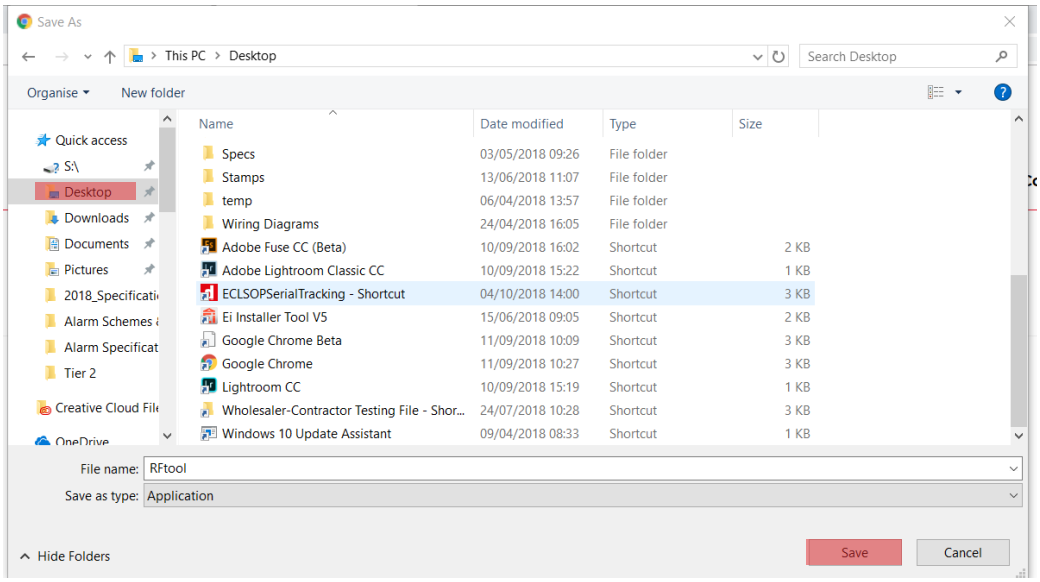
RF Tool Guidance

1. Congratulations on purchasing your EiUSB1. To download the RF Tool please go to the following URL on our website https://www.aico.co.uk/download/ - Windows 10 PC's do not require the Dongle Drivers as they are built-in. If you are using an older version of Windows you will need to download the 'USB Dongle Drivers' also.

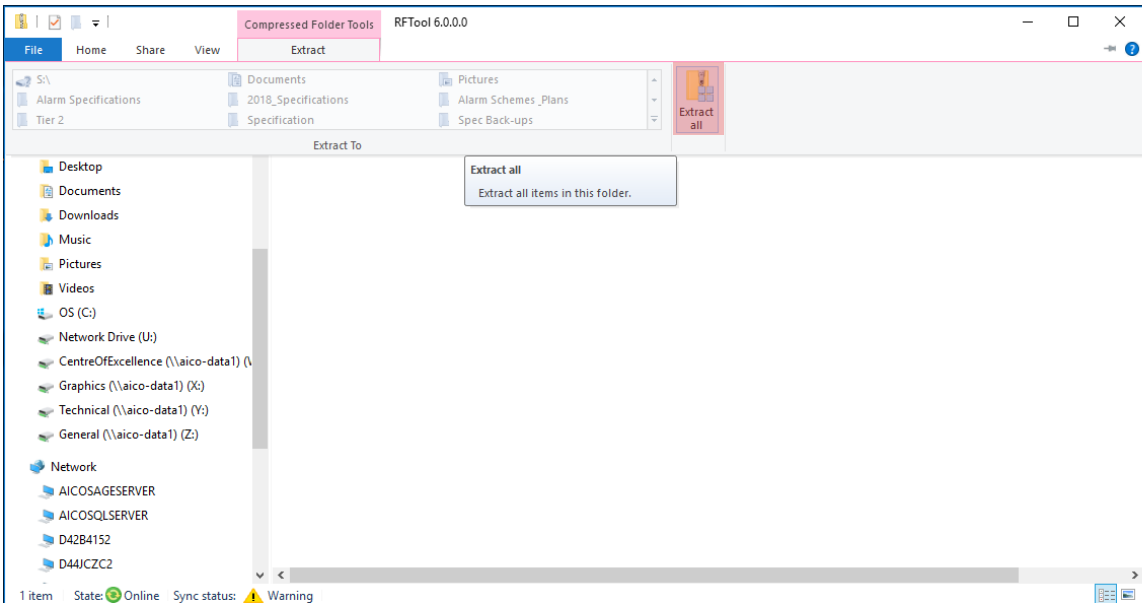


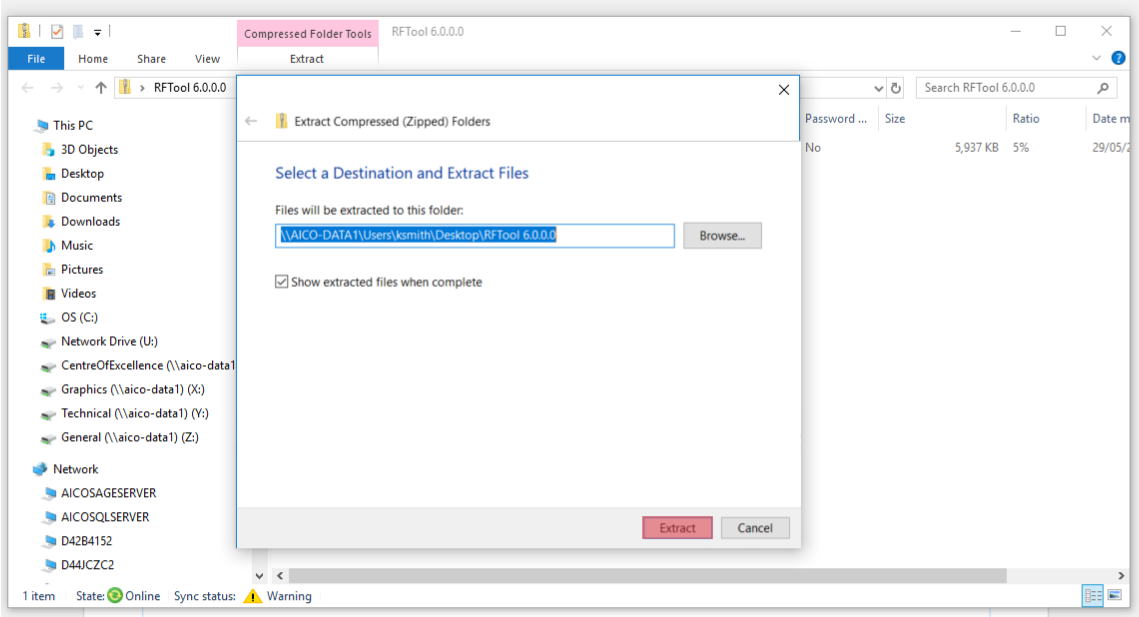
2. Save the file to a memorable location — I.e. Desktop.



RF Tool Guidance

3. ‘Extract all’ files from the .zip folder to a memorable location — I.e. Desktop.





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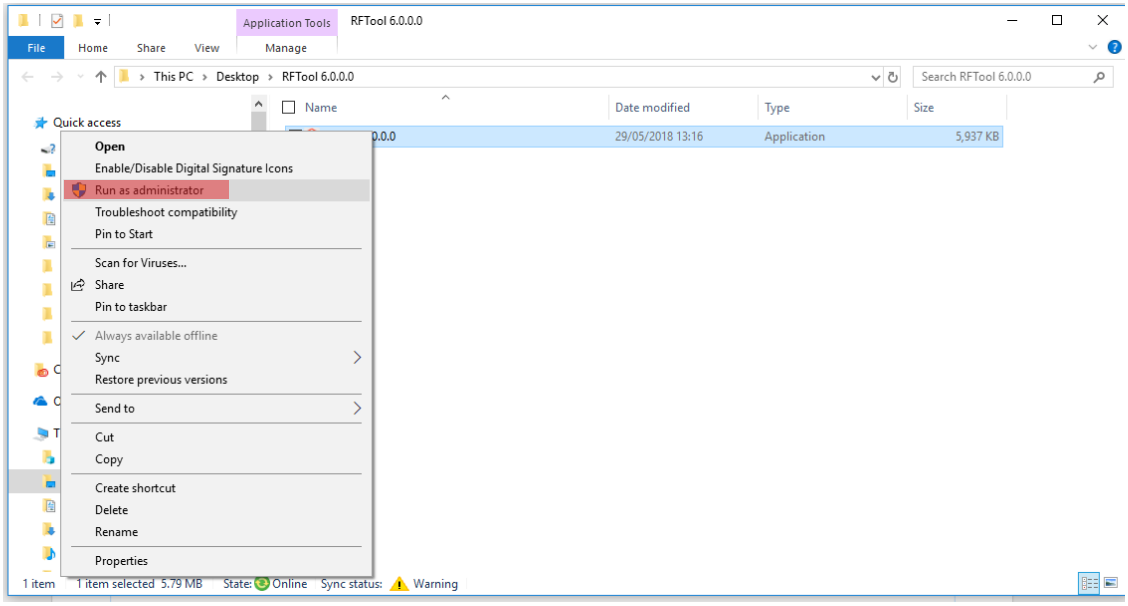
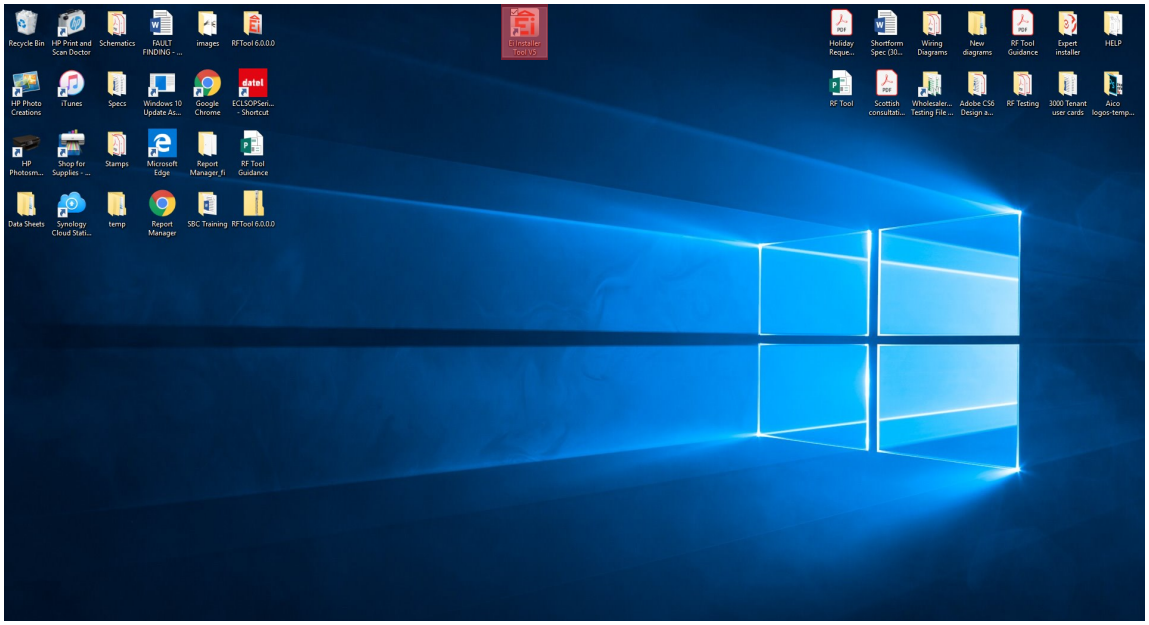
4. Right click the RF Application, ensure that you click Run as Administrator to install the software, this will allow the software the necessary privileges to run correctly.

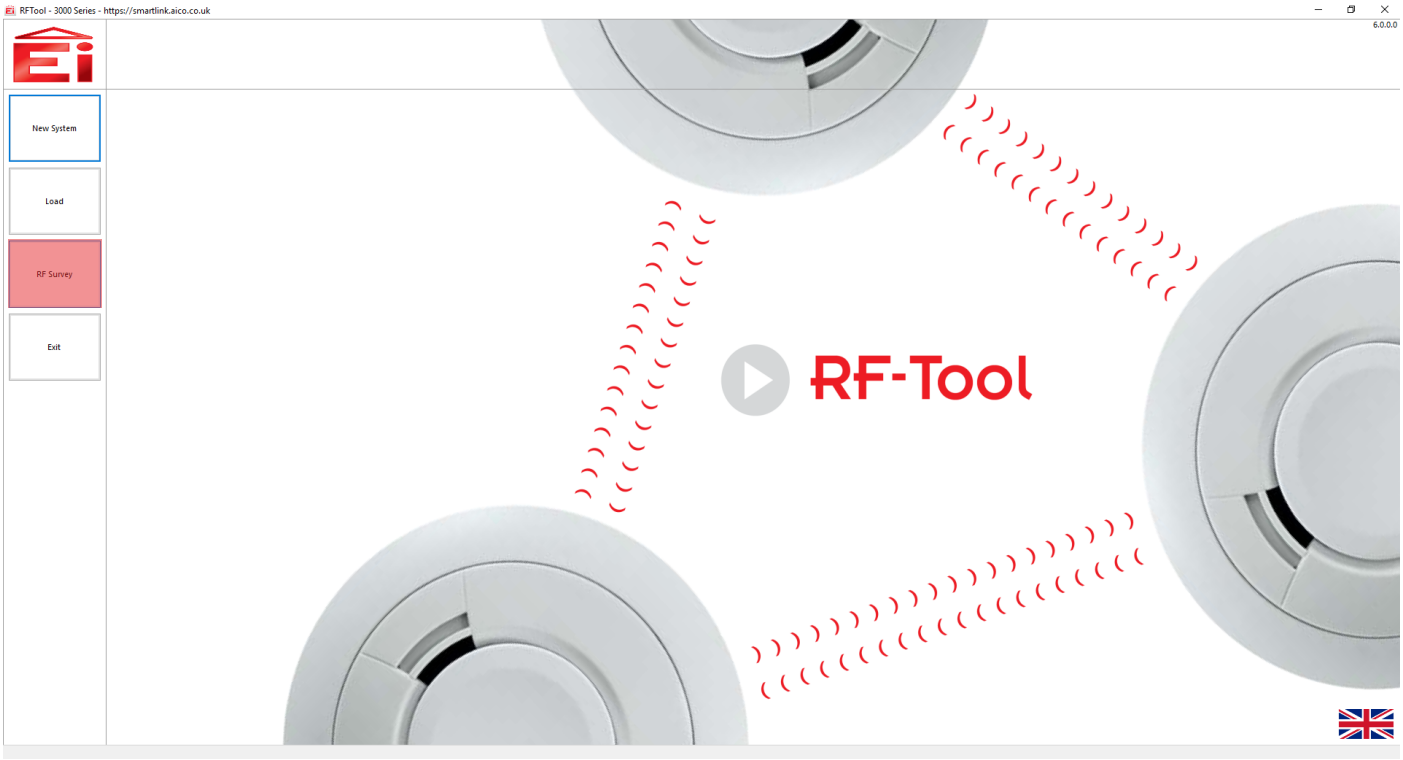


5. The RF Tool will now appear in the location you selected. Double click the thumbnail to open the application & begin making your RF Profile.

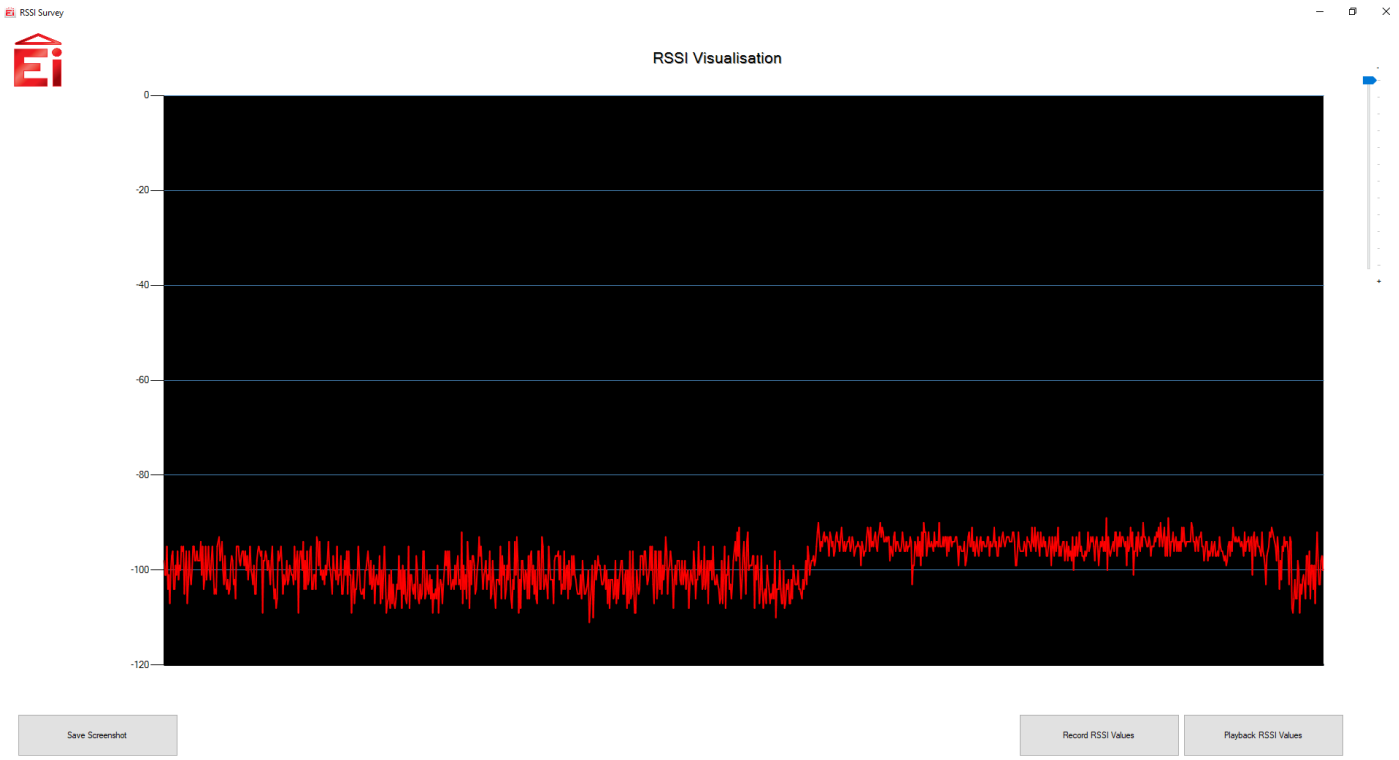


RF Tool Guidance

6. Using the RF Survey tab on this page will allow you to assess the property/area for interference.



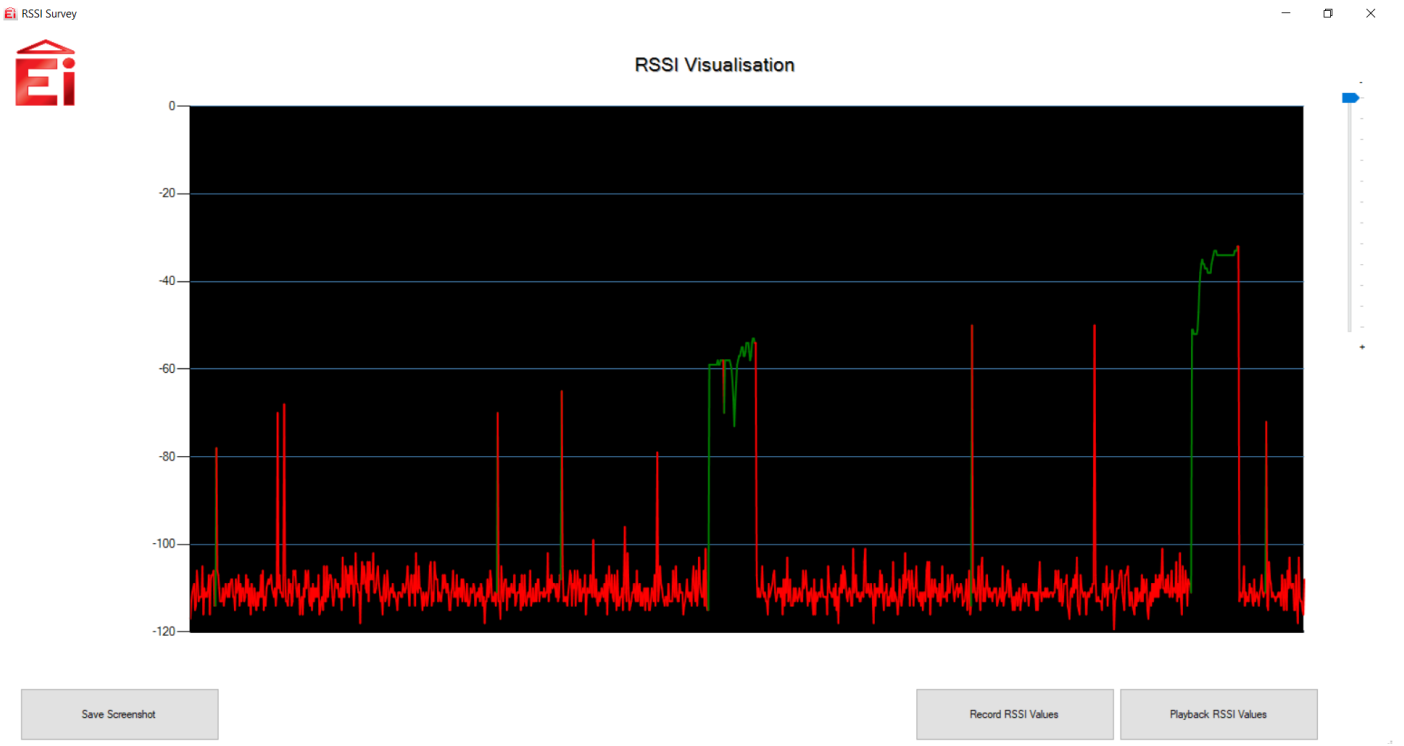
7. The RF Survey can be used to investigate the background levels of RF within a property/area. This is a crucial step as high background RF levels can interfere with RadioLINK signals reducing the effective communication between devices.

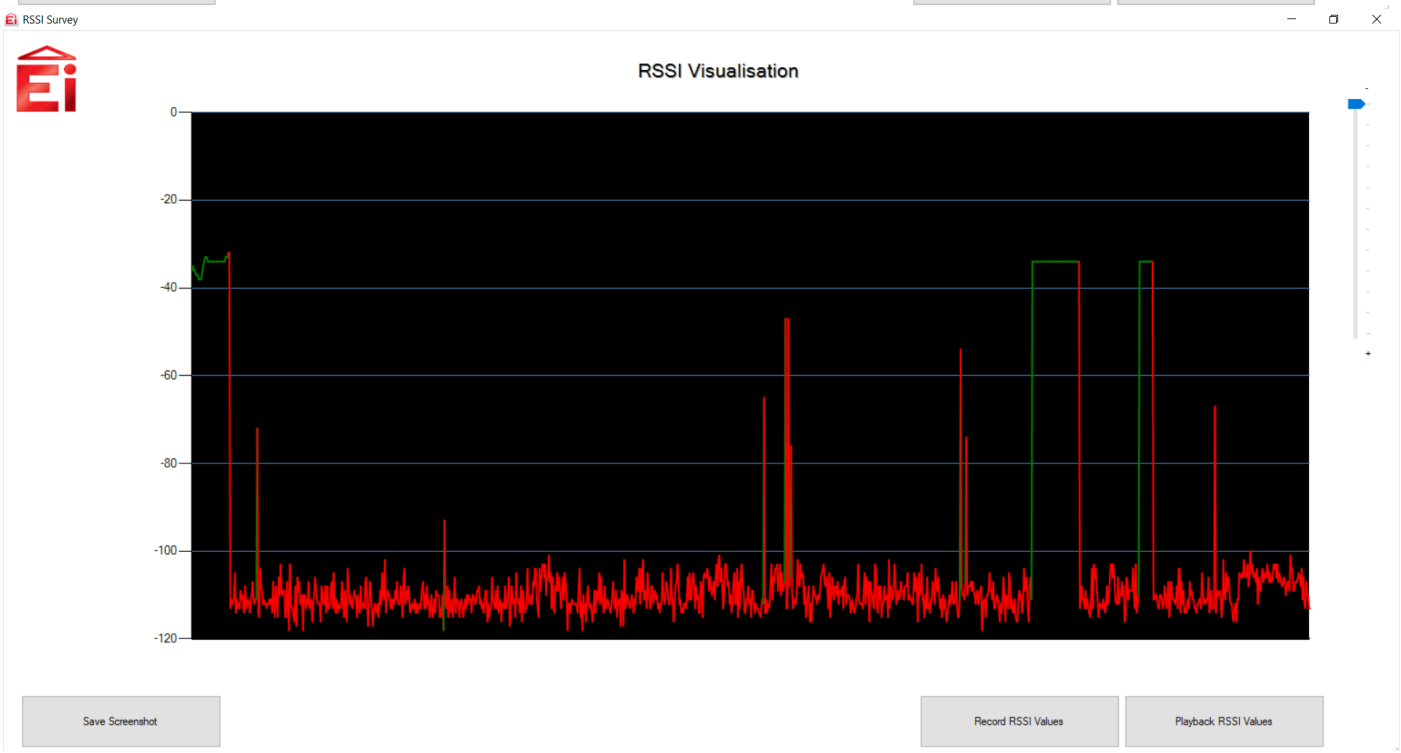


RF Tool Guidance

8. Normal background RF levels will be around –90 & -115dBm, this is shown as the red line on the above screen shot. Any levels higher than –87dBm should be investigated as this may cause problems. When a RadioLINK device is activated/tested, a higher strength signal is output (-45 to –60dBm).
Indicated via the green line.

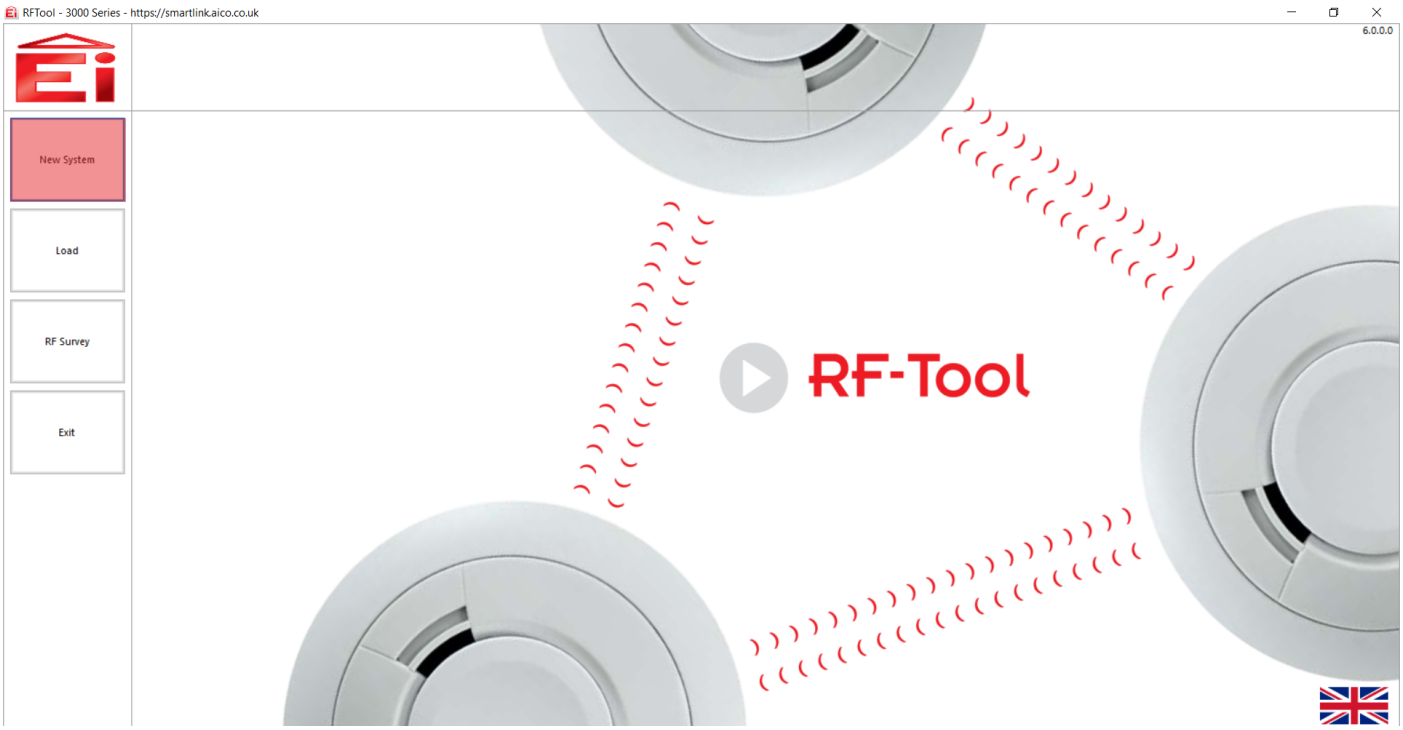
If high levels of RF interference are present, you may use the RF Survey to locate the device causing the interference. Noting where the signal becomes weaker or stronger. This should be carried out until the source of the interference has successfully been located.



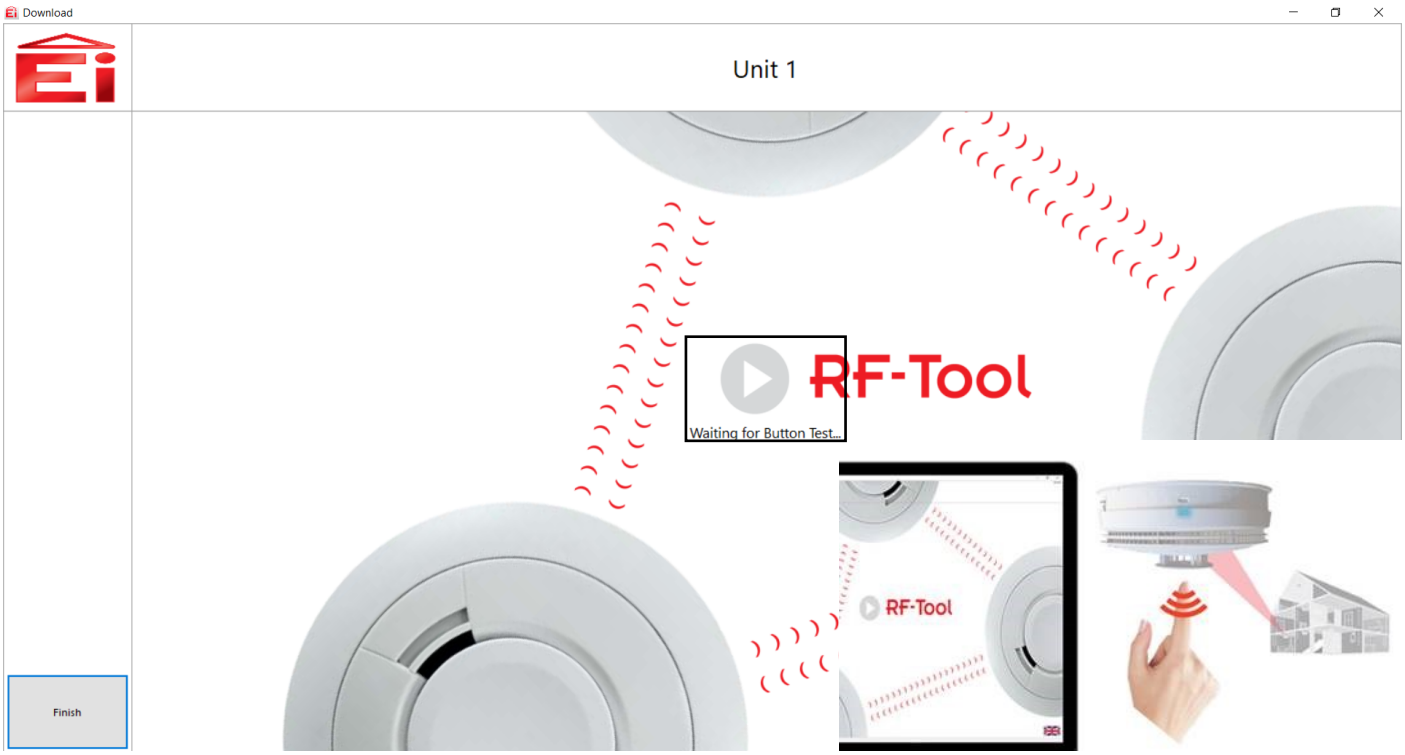


RF Tool Guidance

8. After House-coding your alarm system together, open the RF Tool (pictured below). To create the profile of your new alarm system, click new system.

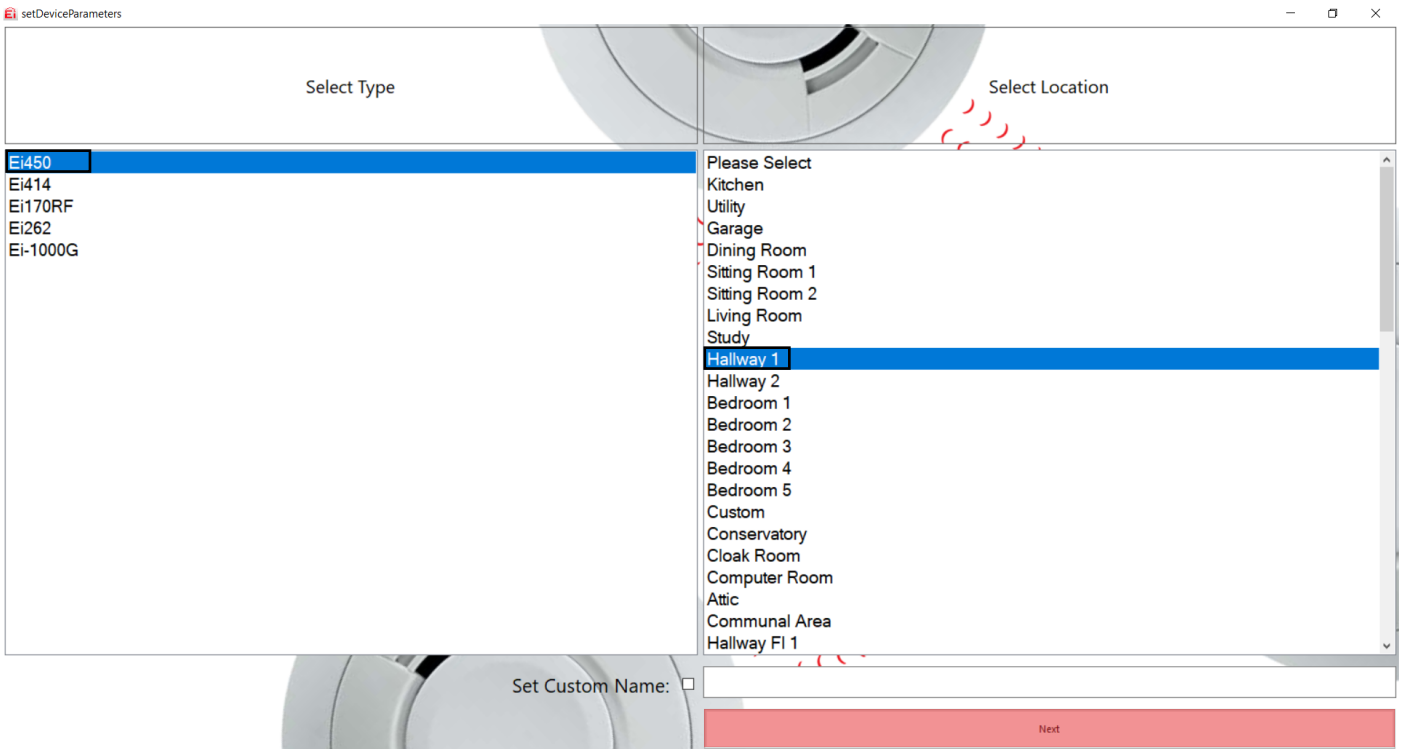


9. Press & hold the test button on your first alarm, until the RF Tool states that alarm data is being downloaded, you may then release the test button.

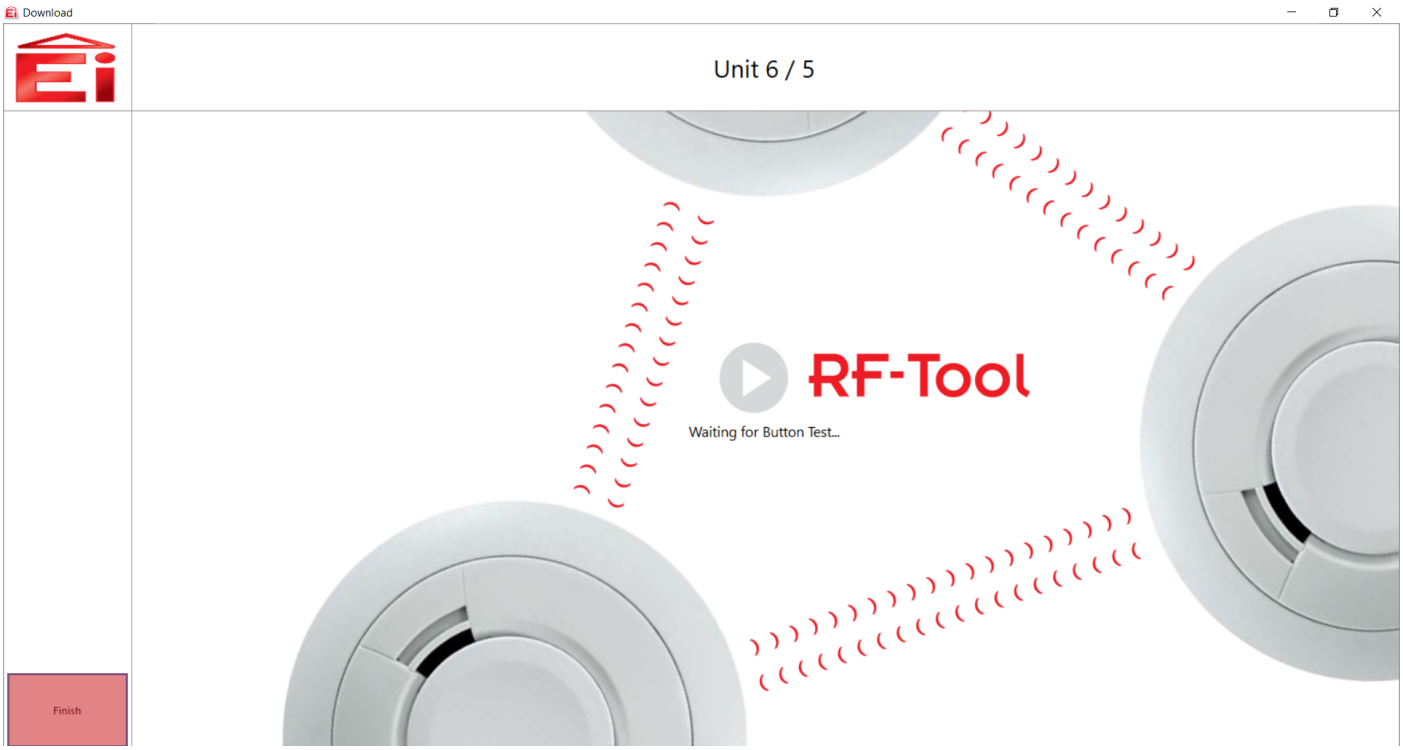


RF Tool Guidance

10. The RF Tool will automatically identify the unit, with the newer 3000 series. Older series alarms may require you to assign then. In this case, the Ei450 - Alarm controller. Choose the location of the device and then click next to add the next device. Repeat steps 9 & 10 for all devices in the system.

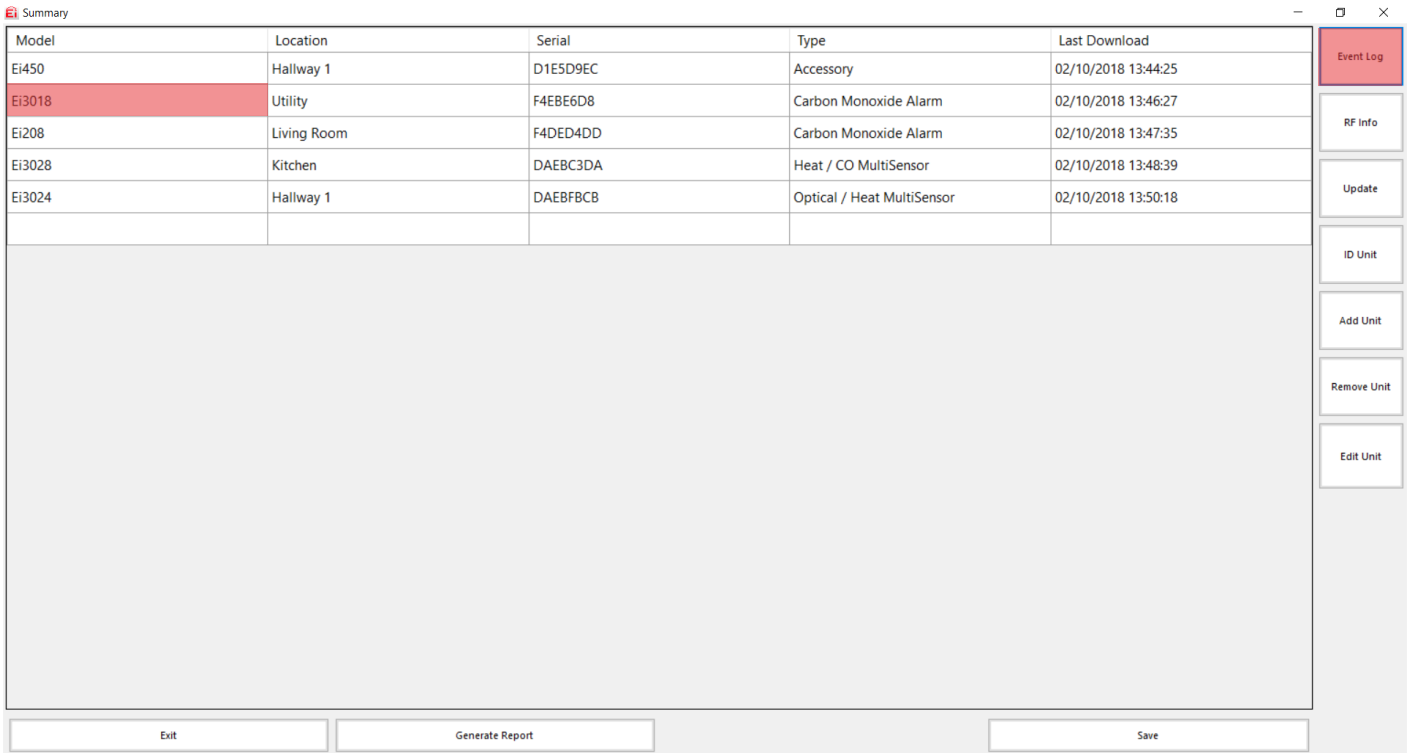


11. Once you have assigned all devices in the system, you may click finish (pictured bottom left).

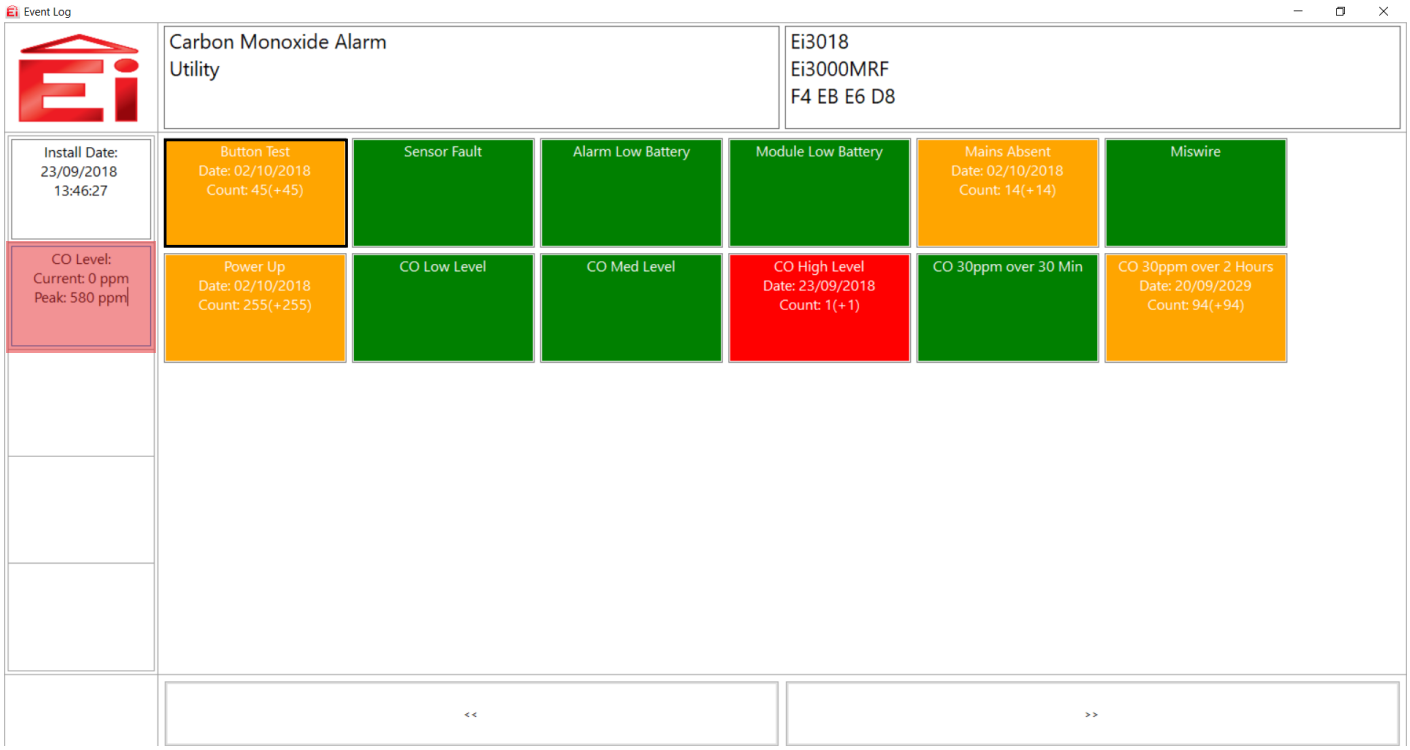


RF Tool Guidance

12. This will generate a snapshot. Here you will see all of the devices in the system, their location, serial No. as well as the last time the data was extracted from the alarm. Highlight an alarm to perform the

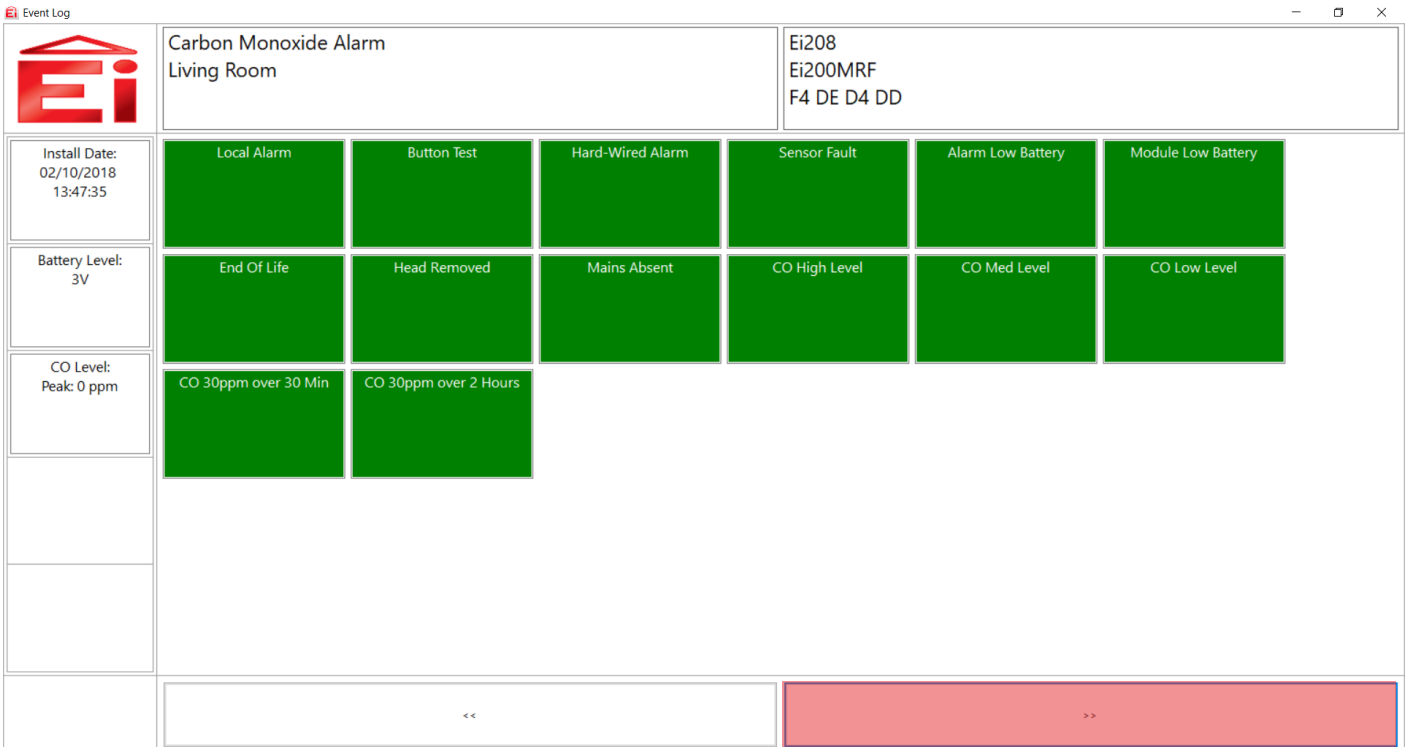


13. Clicking the event log will bring up the screen pictured above. This will show you information such as the amount of button tests that have been carried out on the alarm and the last time this was done. In the case of a Carbon Monoxide (CO) alarm, a pane will also display the last time the CO sensor was activated, whether it was a High, Medium or Low level CO presence. The peak ppm (parts per million) is displaying the largest amount of CO that has been detected by the sensor.

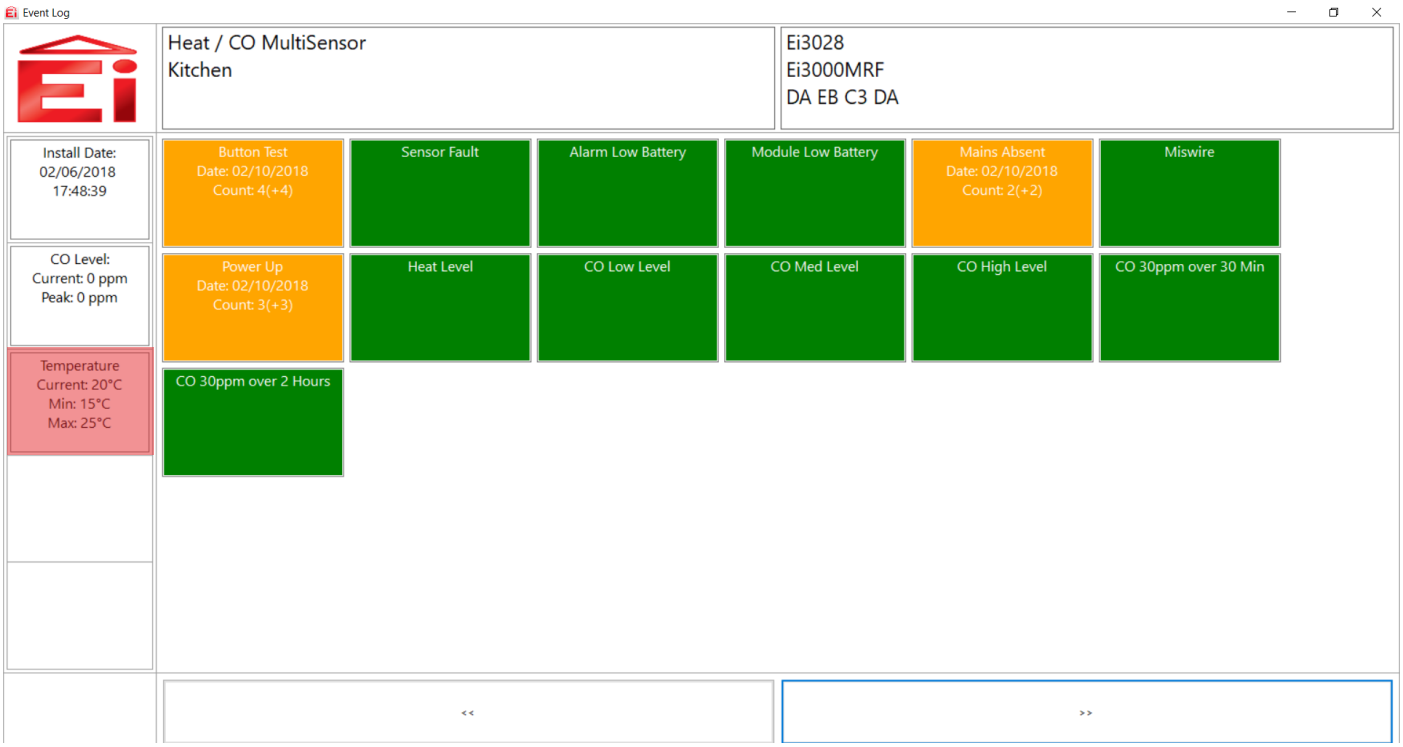


RF Tool Guidance

14. All RadioLINK+/SmartLINK devices will have the ability to have data extracted via the RF Tool, you would expect a new detectors event log to look like the one above. Click the arrow highlighted bottom right to view the next alarm in the system.

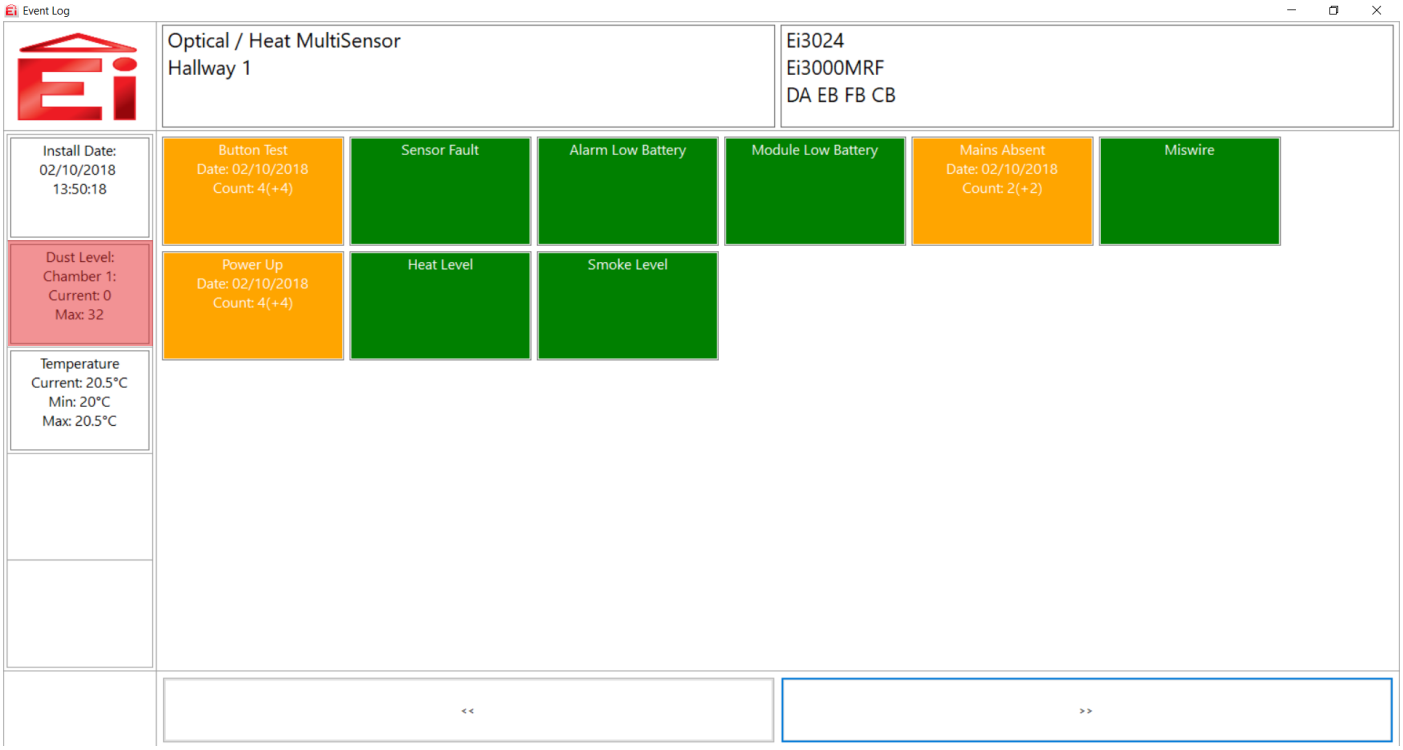


15. A Heat sensor, much like the Carbon Monoxide sensor, can display a peak temperature that has been sensed by the alarm, (pictured left) as well as the coldest temperature recorded.

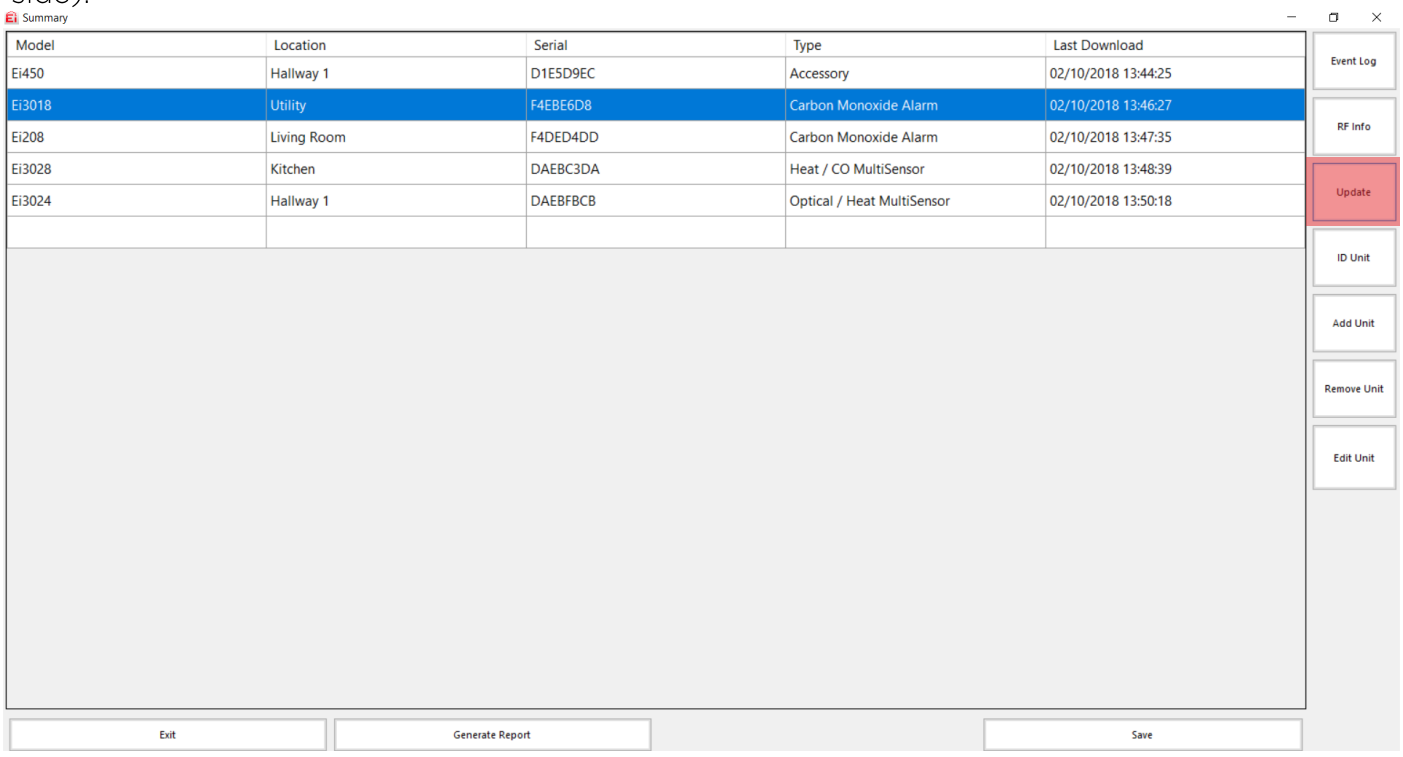


RF Tool Guidance

16. All Optical sensors in the 3000 series have a Dust Compensation feature, this means that the sensor will automatically recalibrate to compensate for the dust within the sensor. The Dust compensation level can be monitored via the RF Tool (pictured left) to ensure that the Maximum level is not reached. Multi-sensor alarms will show data for both sensors.

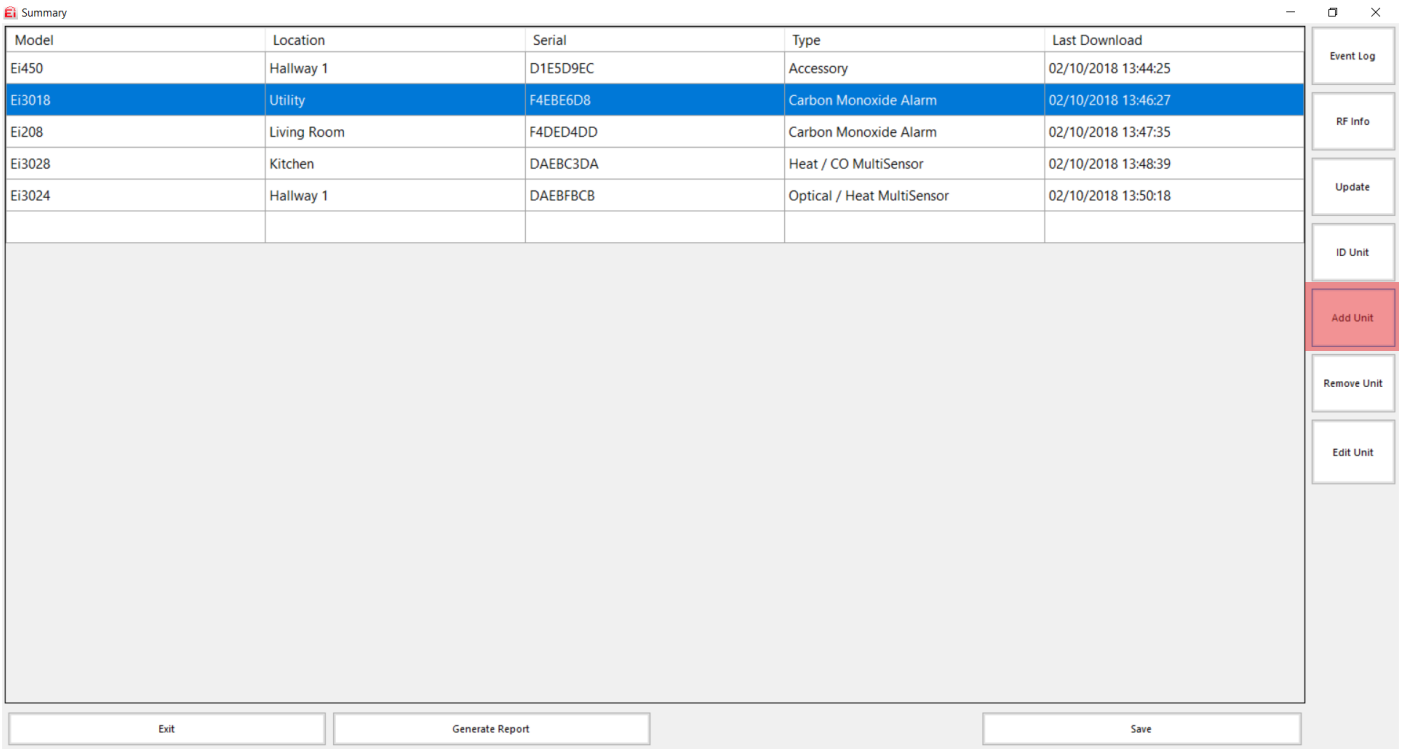


17. To update the information of an RF profile upon revisiting, simply highlight the alarm you wish to receive the updated information from, then click update (highlighted on the right-hand side).

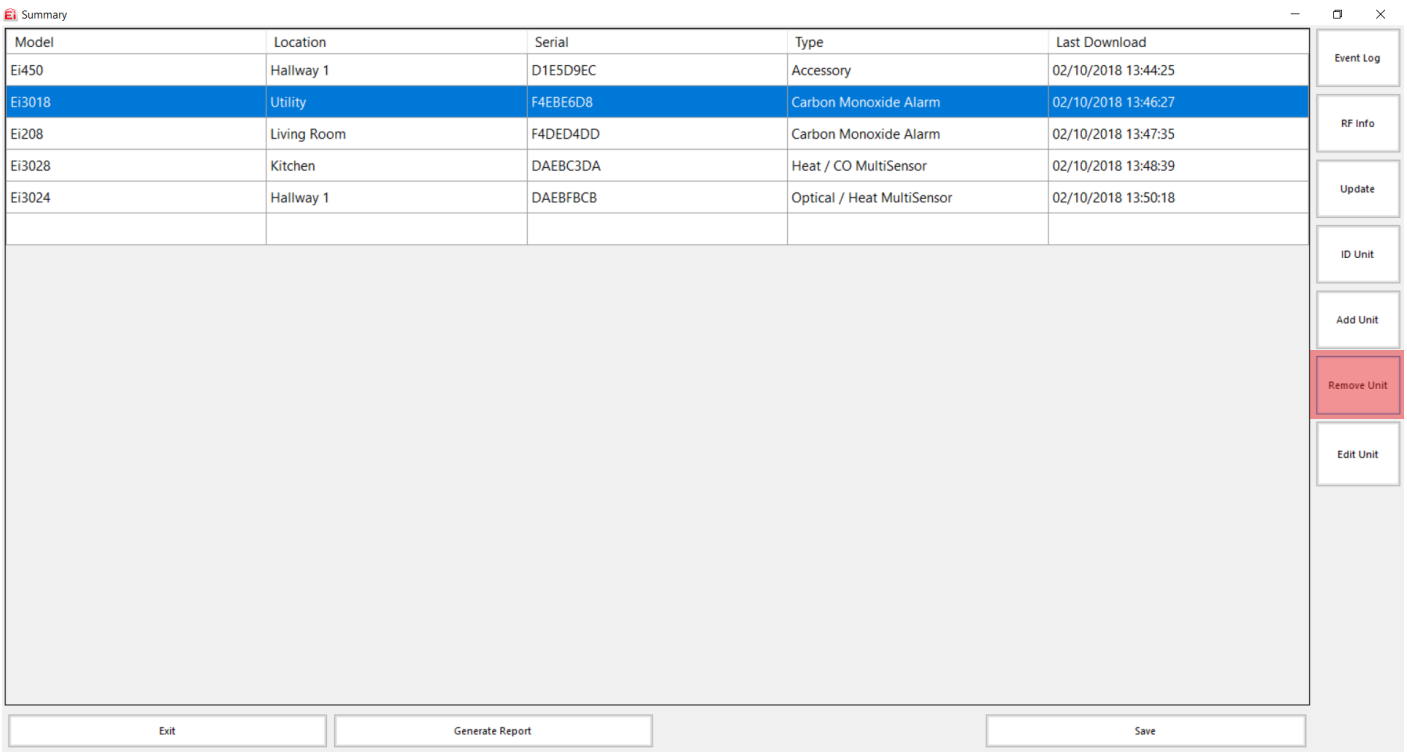


RF Tool Guidance

18. To add a unit into an RF profile that has already been set-up, simply click on Add Unit (highlighted right). Then follow steps 2, 3 & 4 to add the unit to the profile.

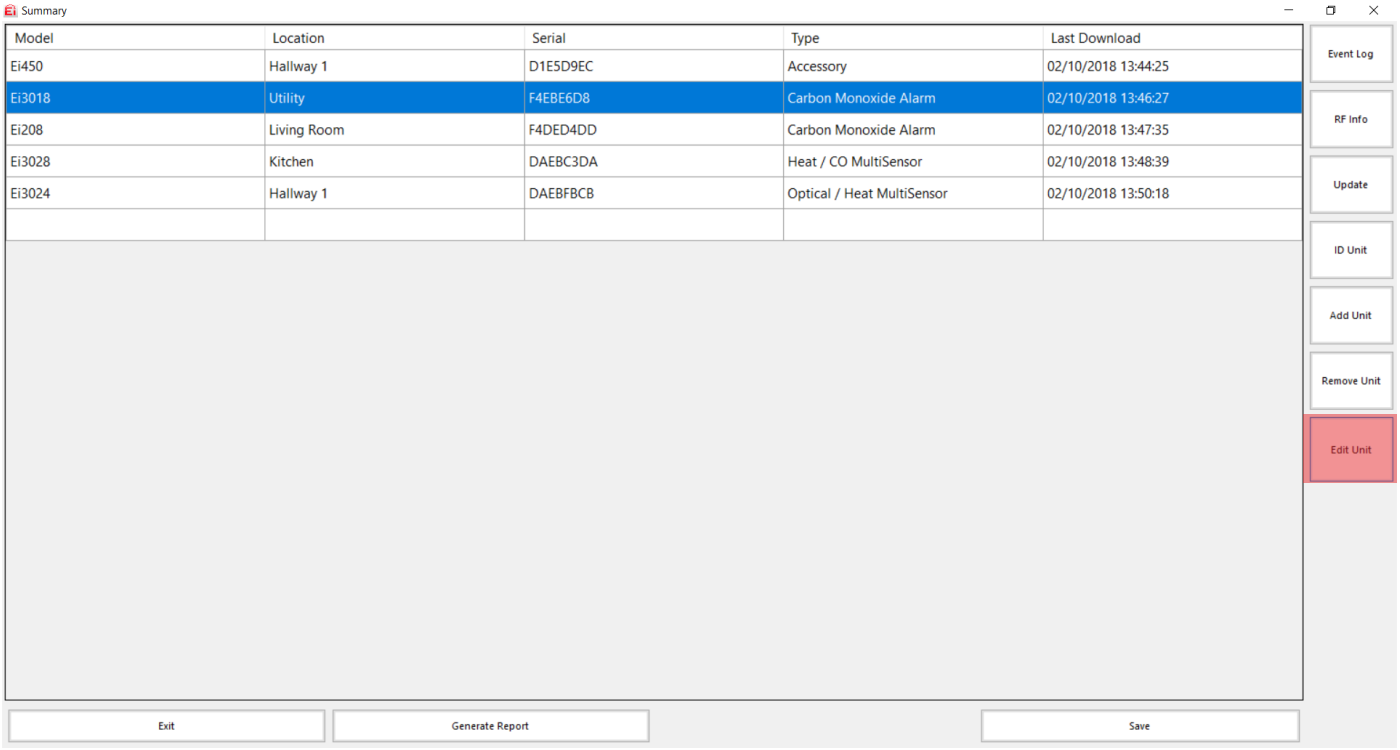


19. To remove a unit from a profile, simply click the alarm that is to be removed from the system, then click the Remove Unit button. (highlighted right).

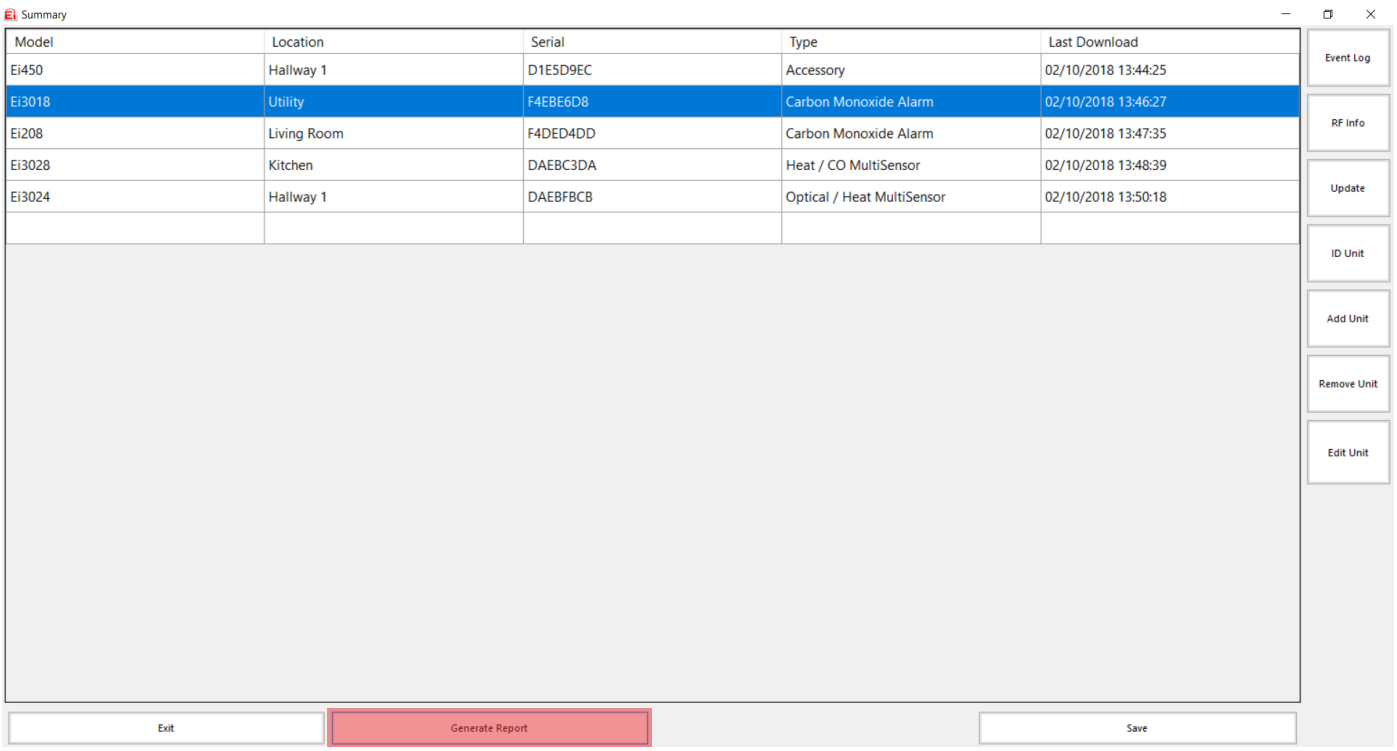


RF Tool Guidance

20. To edit the location of a unit simply click Edit Unit (pictured right) and choose the new location.

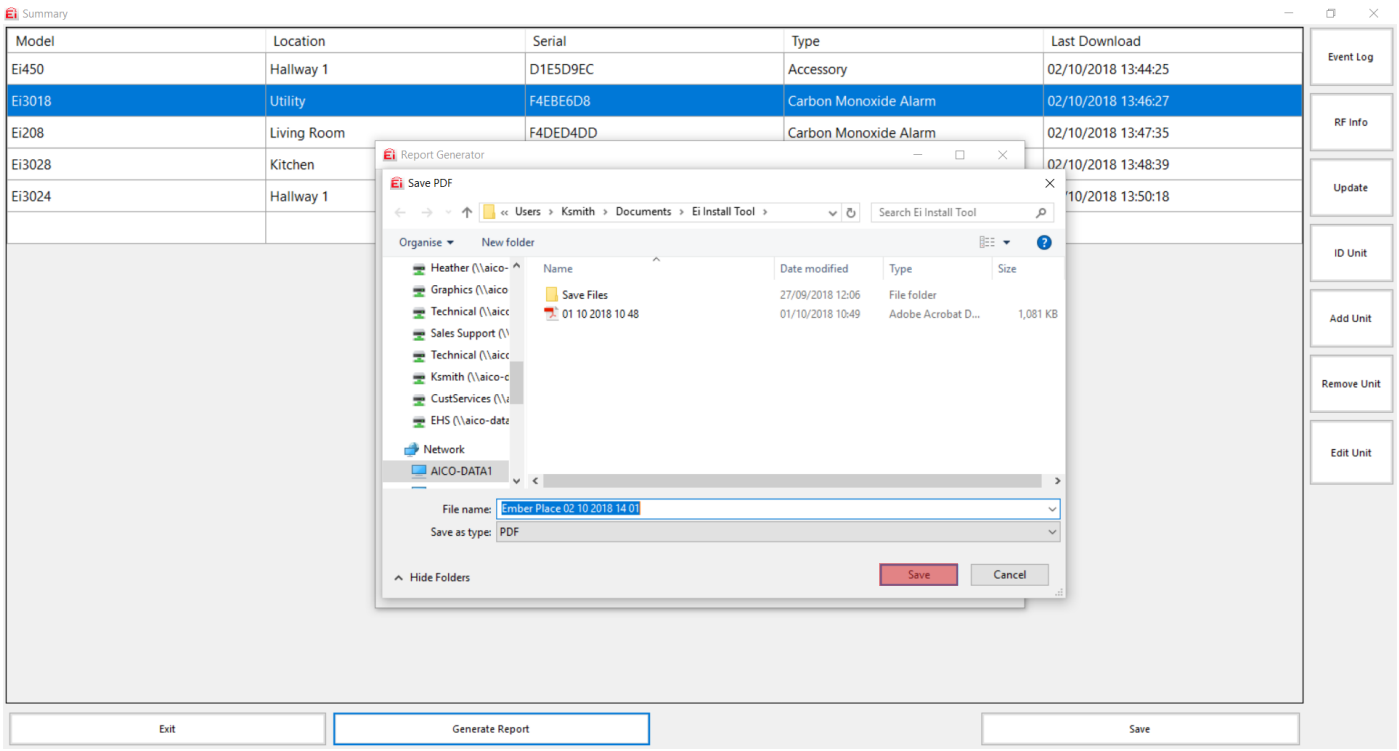


21. You may generate a report from the RF Tool to hand the data over to the relevant body or to email the information to your email address for a later date.

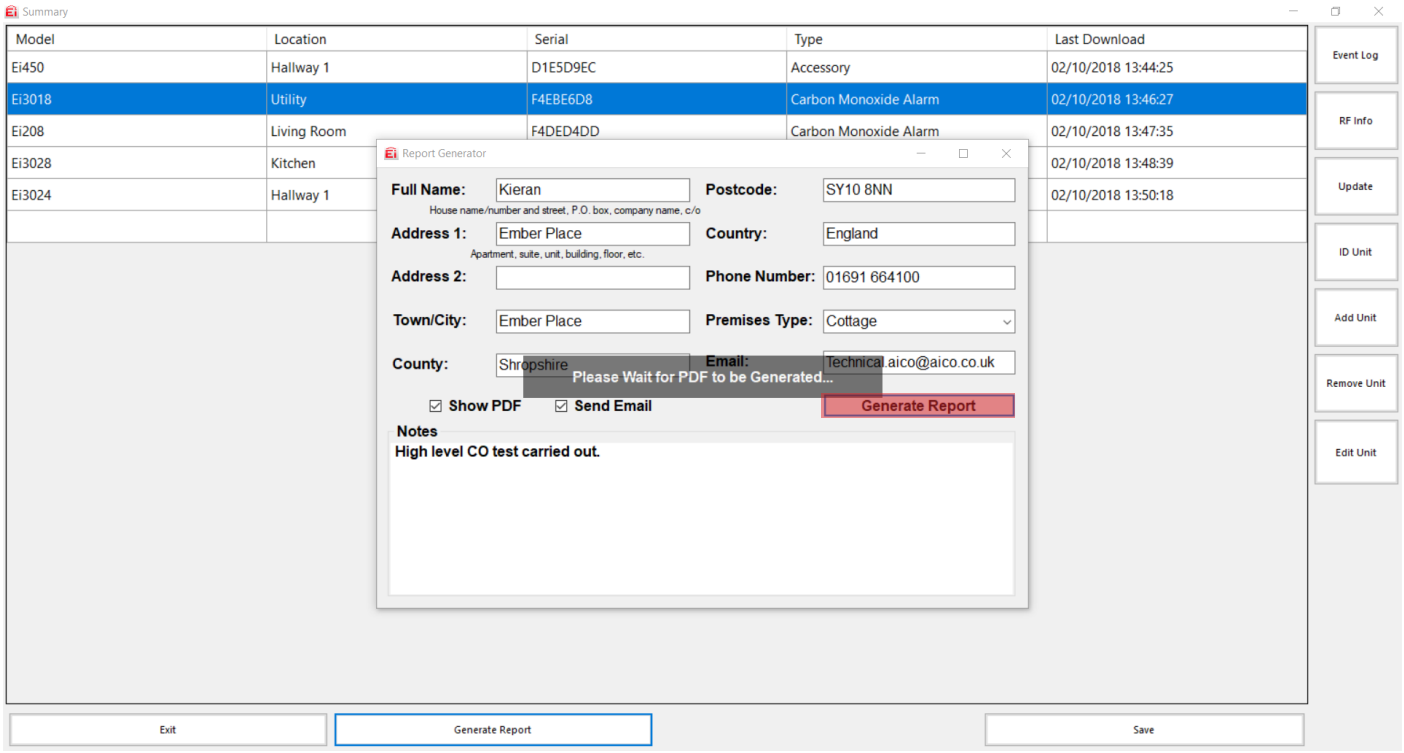


RF Tool Guidance

22. You will then be prompted to save the EI. File on your PC. This means you may open the profile & snapshot at a later date.

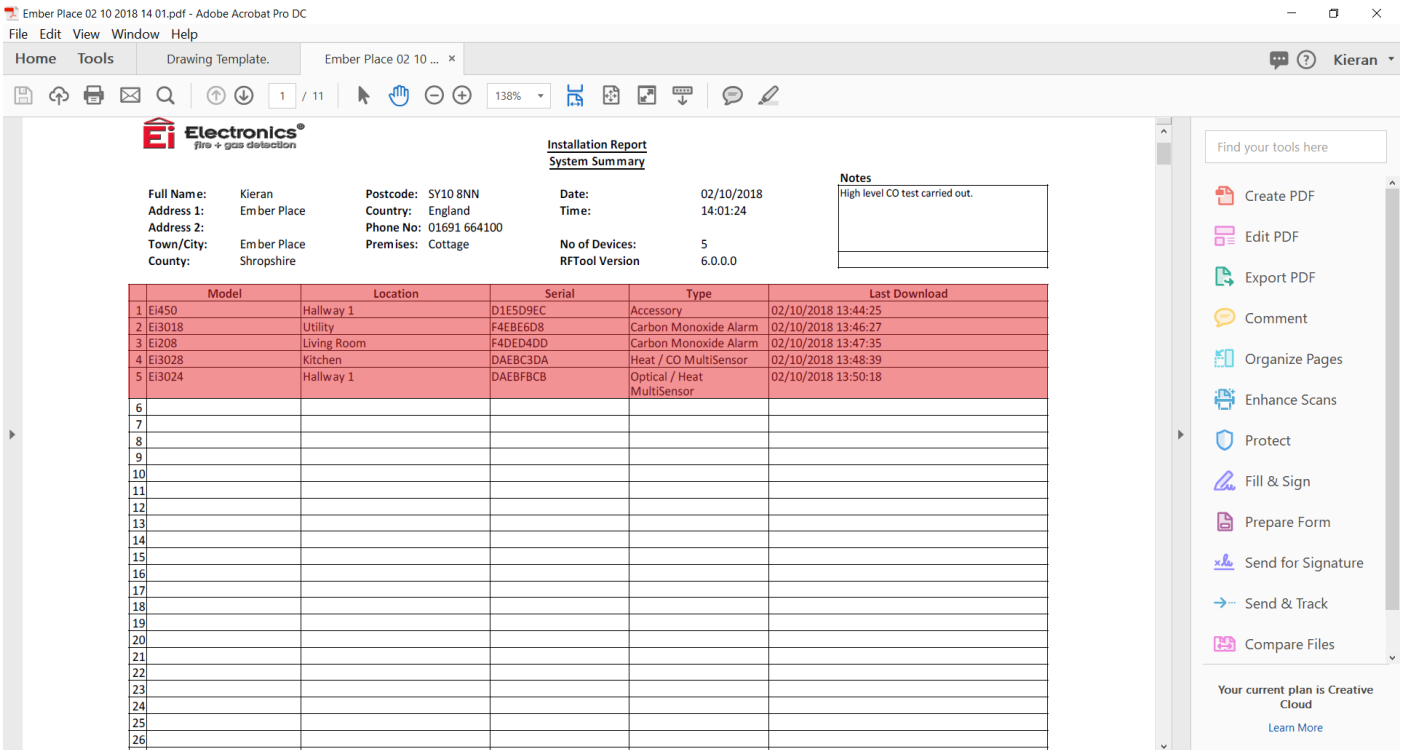


23. The report shall then be generated. If you clicked 'Show PDF' it will open automatically. 'Send Email' means that the Report shall be emailed to the email address to that entered above.



RF Tool Guidance

24. This is a brief overview, showing all of the devices in the system.



Ember Place 02 10 2018 14 01.pdf - Adobe Acrobat Pro DC

Electronics fire + gas detection

Installation Report
System Summary

Full Name:	Kieran	**Postcode:**	SY10 8NN	**Date:**	02/10/2018
Address 1:	Ember Place	**Country:**	England	**Time:**	14:01:24
Address 2:		**Phone No:**	01691 664100		
Town/City:	Ember Place	**Premises:**	Cottage	**No of Devices:**	5
County:	Shropshire			**RFTool Version**	6.0.0.0

Notes
High level CO test carried out.

	Model	Location	Serial	Type	Last Download
1	Ei450	Hallway 1	D1E5D9EC	Accessory	02/10/2018 13:44:25
2	Ei3018	Utility	F4EBE6D8	Carbon Monoxide Alarm	02/10/2018 13:46:27
3	Ei208	Living Room	F4DED4DD	Carbon Monoxide Alarm	02/10/2018 13:47:35
4	Ei3028	Kitchen	DAEBC3DA	Heat / CO MultiSensor	02/10/2018 13:48:39
5	Ei3024	Hallway 1	DAEBFBCB	Optical / Heat MultiSensor	02/10/2018 13:50:18
6					
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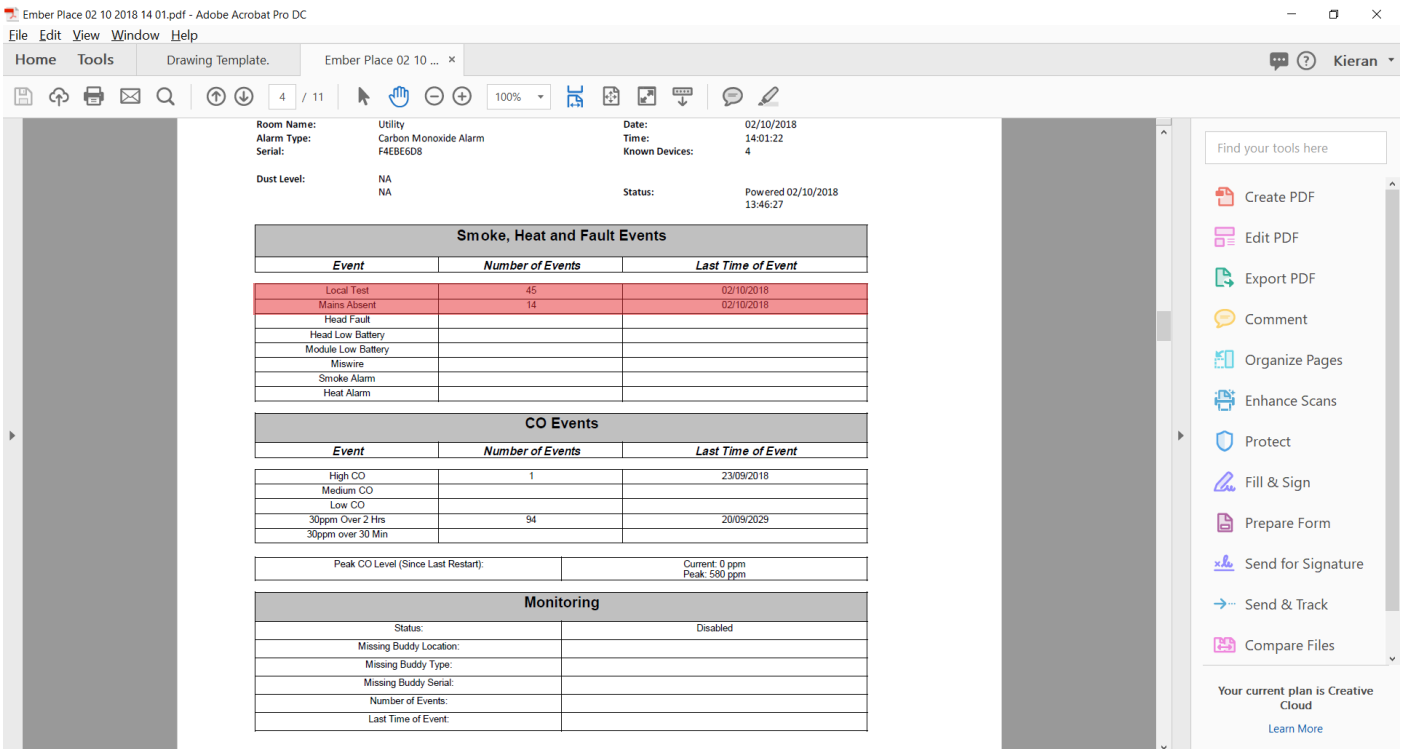
25. This is a paper-back version of the event log showing activations, button tests etc. as well as the dates of the events.



Ember Place 02 10 2018 14 01.pdf - Adobe Acrobat Pro DC

Room Name:	Utility	**Date:**	02/10/2018
Alarm Type:	Carbon Monoxide Alarm	**Time:**	14:01:22
Serial:	F4EBE6D8	**Known Devices:**	4
Dust Level:	NA		
	NA	**Status:**	Powered 02/10/2018 13:46:27

Smoke, Heat and Fault Events

Event	*Number of Events*	*Last Time of Event*
Local Test	45	02/10/2018
Mains Absent	14	02/10/2018
Head Fault		
Head Low Battery		
Module Low Battery		
Miswire		
Smoke Alarm		
Heat Alarm		

CO Events

Event	*Number of Events*	*Last Time of Event*
High CO	1	23/09/2018
Medium CO		
Low CO		
30ppm Over 2 Hrs	94	20/09/2029
30ppm over 30 Min		

Peak CO Level (Since Last Restart):	Current: 0 ppm Peak: 580 ppm

Monitoring

Status:	Disabled
Missing Buddy Location:	
Missing Buddy Type:	
Missing Buddy Serial:	
Number of Events:	
Last Time of Event:	

RF Tool Guidance

26. This table shows the quality of the links between detectors, as well as whether the connection between said detectors is a Direct link or whether the signal has had to be repeated for the alarms to connect with one another.