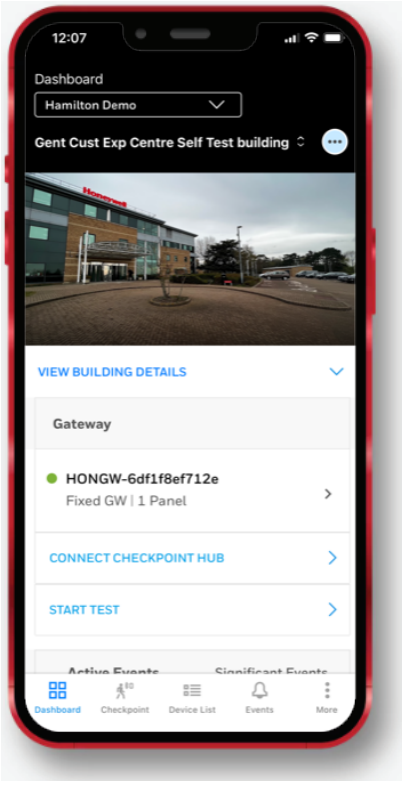
Honeywell
GENT



Gent Self-Test
User Manual

DGTFI001-TUSM-EN

CONTENTS

CONVENTIONS

Where it is necessary, in this manual there are notes, warnings and cautions we recommend to make you to think safety at all times.

This symbol is before a note that shows important information that is usually not in the primary text.

This symbol is before information that tells you of a dangerous hazard that can cause injury or death. Also use this to tell personnel how to prevent damage to the equipment..

This symbol is before information that tells you to how to obey Standard(s).

ABBREVIATIONS

BLE	Bluetooth
C&E	Cause and effect
CBE	Cause by effect
CLSS	Connected Life Safety Services
HLS	Honeywell Life Safety
MCP	Manual Call Point

Self-Test - An overview

- Self-Test devices have the ability perform an automated functional test (using real heat and smoke) without the need for a smoke or heat pole.
- The Honeywell Gent fire system requires a CLSS gateway to be connected for each Vigilon/Compact network domain.
- A new panel test mode called Service Mode has been introduced to Vigilon and Compact panels enabling the testing of the fire system whilst it remains active to real fire events.
- Device testing in Service Mode will not operate sectors unless performing a Cause and effect (C&E) test.
- Once the Panel has been placed into service mode, an engineer can perform Self-Test using the CLSS App.
- The CLSS test session governs what devices can be tested and you can set a predefined test plan or simply select all panels and devices from app.
  NOTE: These are the only devices within the test session can be tested.
- The test session allows Self-Test to be performed on a single device or selected Zone(s), Loop(s) or Panel(s).
- The built in Bluetooth (BLE) aided visual inspection process should also be performed for compliance to BS5839-1. (this can be done at the same time self-test is underway)
- The 'service mode + BLE' must be selected when putting the panel in service mode.
- The BLE can be used to; locate devices (the nearest device comes to the top of the list) and allows the test engineer to register that it has passed/ failed the visual inspection.
- Inspection prompts can activate the Blue LED's on the devices to show what devices where the visual inspection is outstanding (LED turns off once tested).
- Inspection prompts will active the Red fire LED on non-Self-Test devices to confirm a functional test with a heat/ smoke pole is required (LED turns off once tested).
- CLSS allows an engineer to capture any compliance requirements at each device, recommend any corrective actions, capture any relevant test comments and take/ store any photos or supporting information.
- C&E testing can also be performed using Self-Test by activating a single device through either smoke or software fire simulation.
  NOTE: all fire outputs that are not isolated will be activated with testing through C&E according to the configured cause and effect programme in the panel.

System compatability

Self Test can be installed on new and legacy systems. There is no restriction on the volume of devices or loop lengths for it to operately correctly. The system must contain:

- Vigilion (1) or Vigilon Compact panel with the latest firmware on the MCC.
- High powered VIG-LPC-EN loop card (2).
- CLSS Gateway (3) with the correct firmware.
- Devices with standard bases (5).
- Standard loop wiring (6).
- Connectivity through the CLSS Mobile App (4).

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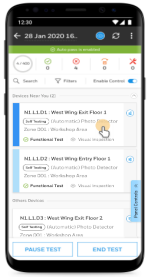

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PANEL REQUIREMENTS AND LEGACY SUPPORT

To operate the Self-Test device features requires the following panel hardware and firmware:

Control panel hardware:

- Vigilon Compact plus or Vigilon Plus (All varients)
- SD card variants of the MCB or MCC
- MCB & MCC Firmware: 4.64
- EN high powered Loop card (VIGPLUS-LPC-EN)
- EN Loop Card Firmware: 4.58
- PSU version to support high powered loop cards

Fully function Repeat Panel

Winmag, BACnet & Third Party Protocol

Hardware not support:

- Vigilon BS (V3+) firmware is not supported.
- Nano.

Legacy support FAQ

Q1. Can I mix older devices on the Vigilon loop with Self-Test devices?
A1. Yes - any legacy devices can be mixed as long as they are supported by the VIGPLUS-LPC-EN card

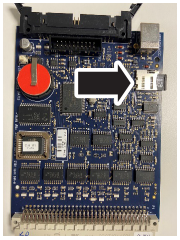
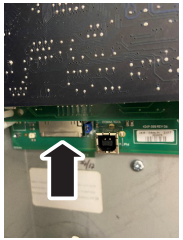
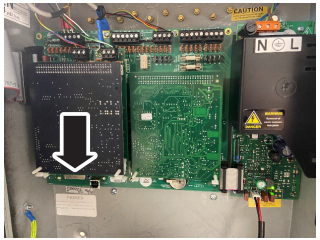
Q2. Is the existing loop loading different when replacing older devices for Self-test devices?
A2. No - any legacy devices replaced by an equivalent Self-Test device has identical loop loading (eg S4-710 & S4T-710)

Q3. Will Self-Test devices fit into my existing S4-700 base?
A3. Yes – Self-Test has been designed to fit into the existing S4-700 base.

Q4. Do all the panels on a network (even where self-test is not being used) need to have their firmware updated?
A4. If all panels are not updated non-updated panels will receive messages (from self-test devices) that they will not recognise. Although not required, it is recommended that you upgrade all panels on the network to the new firmware.

BEFORE YOU INSTALL SELF-TEST

Before you install Self-Test on the system you are updating, make sure it has the following hardware:

Vigilon Panel		Vigilon Compact		
				
VIG-LPC-EN	MCC Card with SD card	VIG-LPC-EN	Motherboard with SC card	

VIGINSITE UPGRADE OVERVIEW

Before you upgrade

- Fix any panel issues prior to carrying out firmware upgrades.
- Take a download of the panel configuration as upgrading will wipe some of the configuration.
- Purchase the VigInsite upgrade tokens from Sales Support.
- Download the latest panel card firmware versions from Gent Expert.

NOTE: Functionality may be impacted if the correct process is not followed.

01 Using VigInSite, upgrade panel software for loops and mcc.

02 Upload configuration then backup to the NVM, making sure the panel is healthy.

03 Change the S-Quad devices to Self-Test.

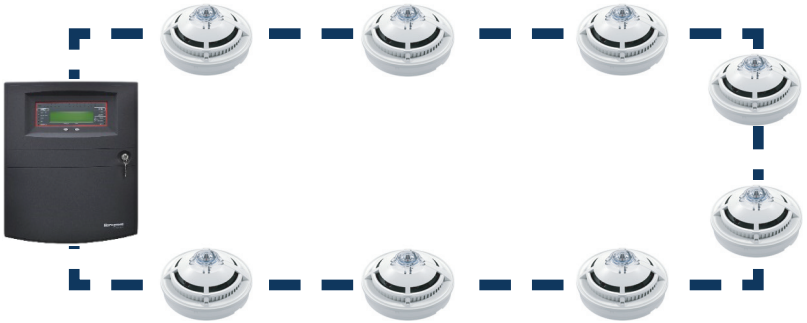
04 Re-allocate the loops (Recovery Fail message may appear after allocation).

05 Check the sensor states and safe address if required.

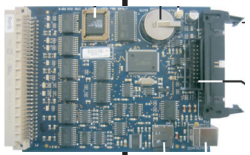
06 Using previous download, update device types for ST device installed on the commissioning tool. Upload amended configuration to panel.

07 Sync the Building Inventory in CLSS Site Manager to complete the process.

Self-Test panel upgrade options



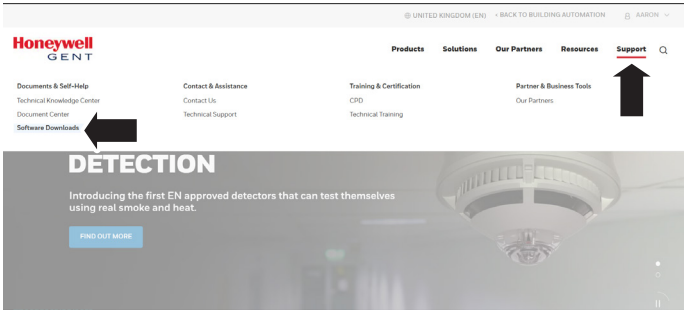
Panel Upgrade Options

Pre-Vigilon/Compact Plus Panel	Vigilon/Compact Plus Panel
	
Upgrade hardware to Plus version	Upgrade using VigInSite

Upgrade the panel

GET THE NEW SOFTWARE

At ***https://buildings.honeywell.com/gb/en/brands/our-brands/gent*** download and then install:



- The latest VigInSite software.
- The latest firmware for your panel.

REGISTER THE UPGRADE PROCESS

01 Put in an order with Sales support for the software upgrade through the Honeywell Life Safety (HLS) group email: HLSUKSalesSupport@Honeywell.com

02 Open the VigInSite software and select **Credits**.

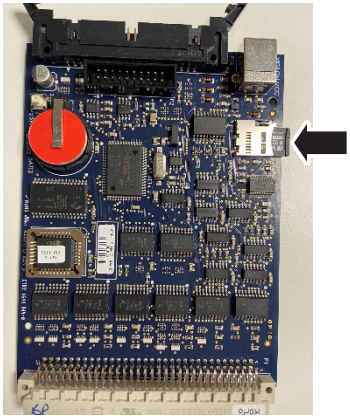
03 Ring the HLS phone number ((0)203 409 1779 - Option 4). Quote the order number and the credit code.

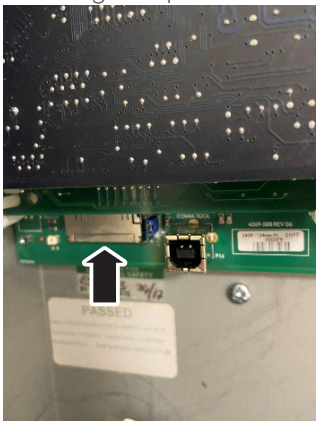
04 Enter the credit key into the box and select **Process**.

NOTE: When you order, 5 tokens for each loop card and 10 tokens for each MCC upgrade are required.

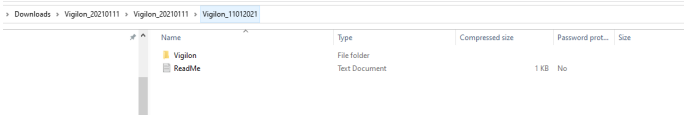
UPGRADE THE PANEL

01 Remove the SD card from the Vigilion panel.





02 Copy the new Vigilon firmware download onto the SD card.
NOTE: This overwrites the old firmware files that are on the SD card.

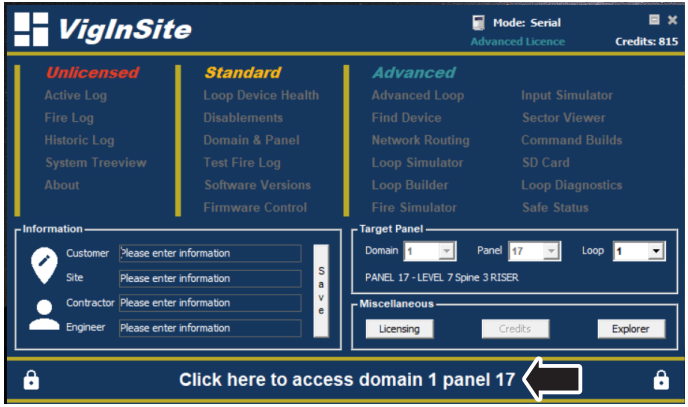


03 Insert the SD card in the Vigilon panel.

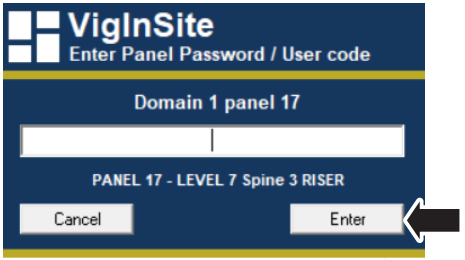
04 Open the VigInSite software.

05 Select com port and single panel, then run.

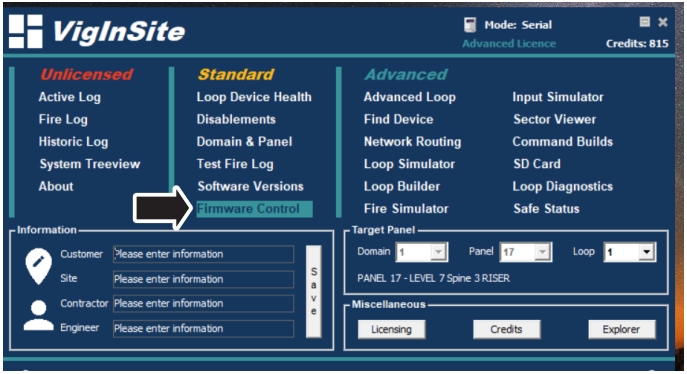
06 Select Click Here to open the password box.

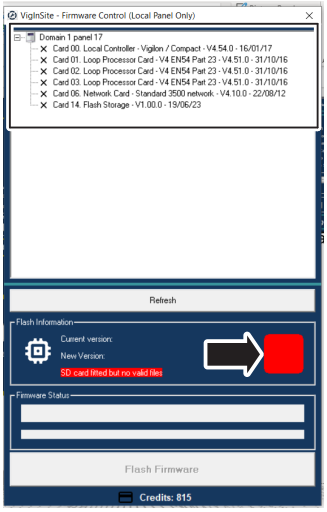


07 Enter the password (if necessary) and select **Enter**.

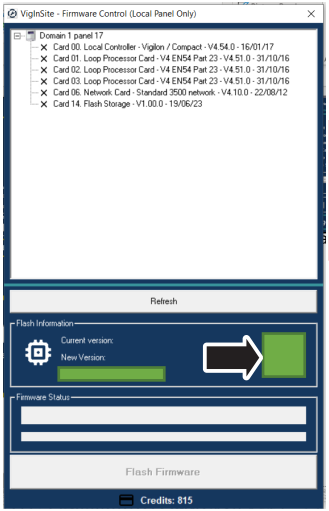


08 Select **Firmware Control**.





09 Select the MCC card in the list. If you can upgrade the card, the red box changes green.



10 Select the Green button to start the upgrade.

11 Accept the token use.

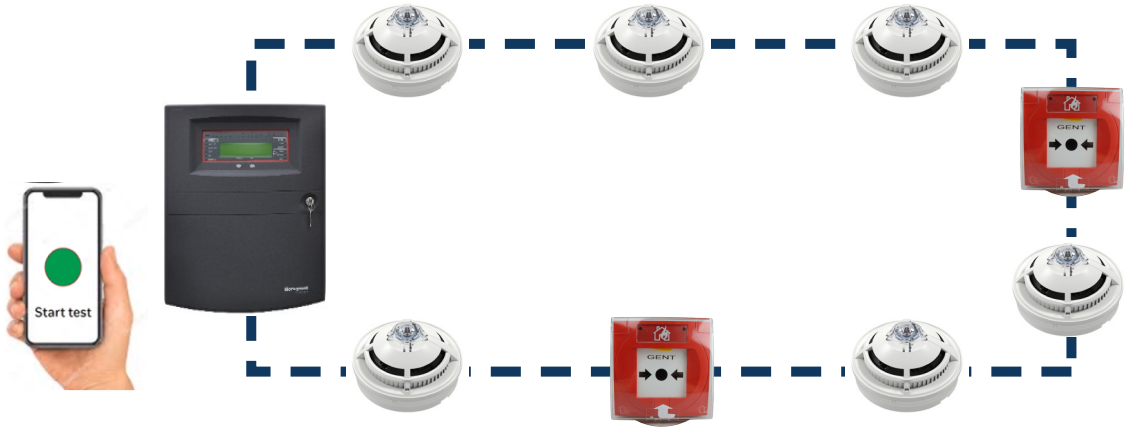
> During the upgrade process the panel can go offline and reset.

12 Repeat this process for all the loops. Select the loops instead of the MCC card.

When the updates are completed

- When the panel is upgraded, using the config tool and the original download, upload it to the panel and backup the files.
- When the panel is healthy again you can start the self-test hardware upgrades.
- Confirm the change of sensors and backup the changes (checking any safe address and device state information is correct.)
- Take a download and confirm all the upgrades are correct and as required.
- Test the system.

Service mode



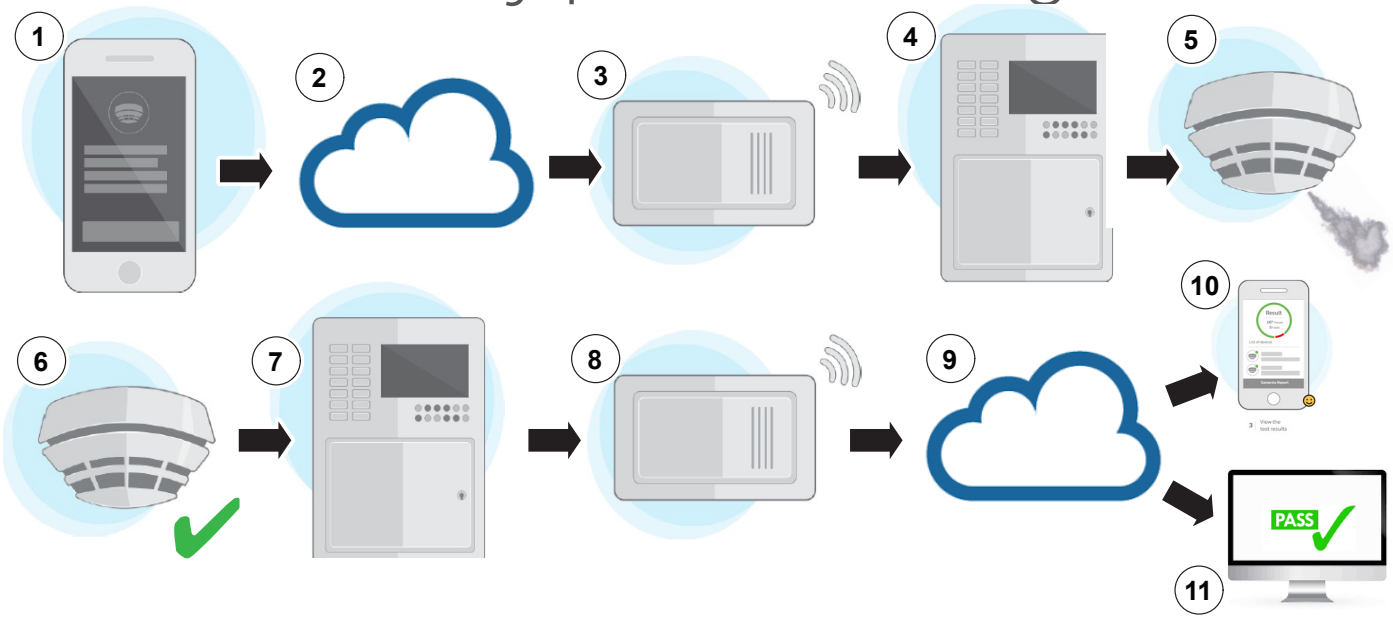
How does Service Mode work?

- The whole panel is placed into service mode.
- The Panel Test LED will flash.
- This now allows device testing to be performed using the App.
- Any device test fire generated does not operate panel sectors so there is no need to isolate the panel from a network and disable sectors.
- Any device or zone that is not being tested remains active and able to detect a fire.
- If a real fire is detected it will operate all system cause and effect.
- This includes any outputs of devices being tested.
- Device LED Inspection prompts can used when testing to ensure that live devices are not accidentally tested.
- C&E testing from the App will always operate panel sectors.

Benefits

- Reduces the risk if a real fire was to occur during system testing.
- No requirement for Firewatch or a second engineer back at the panel.
- Gateways located on a node.

How do the key parts work together?



(1) Start the test from the Checkpoint
(2) Command sent through the cloud
(3) Gateway from the cloud
(4) Procedure starts in the panel (in test mode)
(5) Devices are tested
(6) Test is passed or failed
(7) Panel processes the test results
(8) Gateway transfers the test results to the cloud
(9) Cloud
(10) View the results in the App
(11) View the results in the Service manager portal

Self-Test procedure

The Self-Test procedure can occur:

- Across multiple panels at the same time.
- Across multiple loops at the same time.
- On 6 devices on each loop, in sequence over the length of the loop.

The testing sequence can test the largest loops/systems in around 30 minutes.
This is an App only process using CLSS and can not be done through the panel.
The app is intuitive and has multiple help and guidance sections to point you in the right direction.

You are able to:

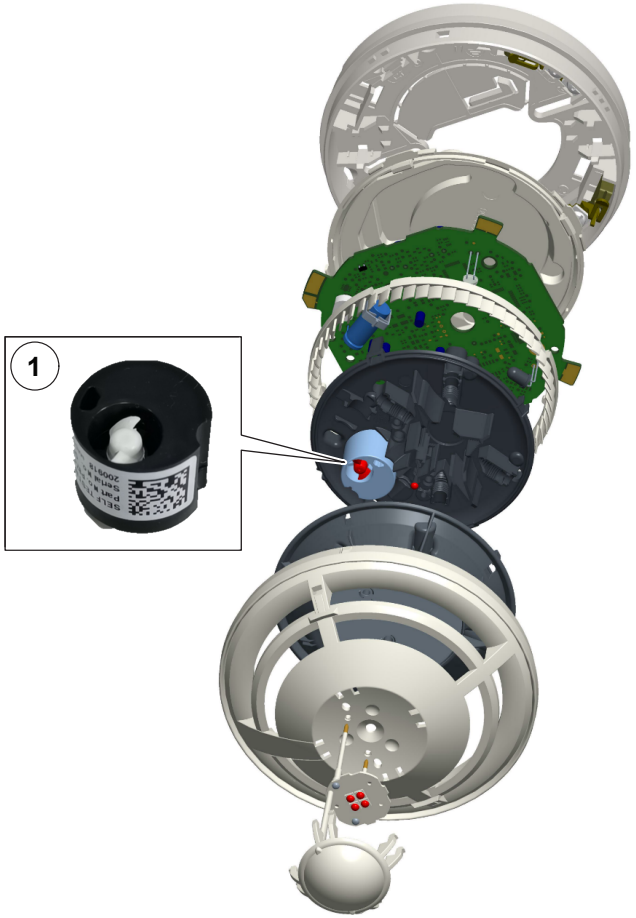
- Select single or multiple zones, loops and panels to test in sequence.
- Initiate a simulated alarm from a device to test cause and effect (software or real smoke).
- A special service mode stops testing and activates cause and effect if an alarm spotted outside of the testing sequence.
- Service mode can be activated on the panel with either Bluetooth beaconing on or off (if the site has connectivity restrictions).
-

Self-Test technology

- Based on the standard range of detectors.
- The only difference is the addition of the Self-Test module and a Bluetooth beacon.
- Everything else remains the same.

Inside the Self-Test module there is:

- 0.9g of inert wax
- Sufficient for 4 tests a year over its lifetime
- A metal coil (that heats up the wax to turn it into aerosol)
- A low speed fan to propel the aerosol into the chamber
- A high speed fan to propel the aerosol out of the detection chamber and to return it to clean air.



Device testing

WHAT IS MCP TESTING?

The Manual Call Point (MCP) Test is part of Test and Inspect provided with CLSS, which now includes selecting MCP's to be part of the test session. This provides the ability to initiate test mode on individual MCP's temporarily, while an MCP test is performed. Once passed, the MCP can be taken out of test mode and returned to normal operation, meaning MCP's are in test mode a fraction of the time verses a normal zone test that is preformed without CLSS. Keeping your MCP's operational for longer and enhancing building safety. MCP's selected for test mode, will flash their LED amber to ensure and confirm to the tester that the MCP is currently in test mode.

WHAT IS AN AV TEST?

The AV background test is an independent test from the Self Test process, but can be preformed without putting the device into a test condition, meaning the device is fully capable of detecting a real fire event. The AV background test will electronically test the devices AV outputs, whether it is a Sounder, Sounder VAD, or VAD only device. It will Silently test each element to ensure each AV output is electronically fault free, meaning they will be capable of alert during a real fire event.

The AV Test can only be performed on S4T devices with AV elements, and can not be performed on a device where the loop is currently in Self Test. AV test does not confirm DB/Pressure test or VAD compliance. The AV test is an internal electronic components test only. Providing an enhanced self test experience, while ensuring a healthy system.

AV background monitoring on Legacy S4 devices, can not be included in the test.

WHAT IS AN ANTI MASK TEST?

The anti mask test is a test independent from the Self Test process. Although similar to the anti-mask detection test during the Self Test process, the device produces a tiny amount of smoke internally, far below the fire threshold. The smoke produced is such a small amount, it does not impact the device performance during testing. If the time taken to clear the smoke chamber to it's nominal condition is longer then expected, the device will indicate a possible masked condition.

Individual devices or multiple devices grouped in either panels, loops or zones, can be selected to perform the Anti-Mask Test. The Anti-Mask test takes about 30 seconds per device to complete. A summary page will display the test results. Anti-Masked Test report may also be generated.

Anti-Mask test does not prove or confirm device performance, it is designed to confirm smoke entry points are clear. The panel must be in service mode to initiate test. Self-Test Licence on the device is required to perform anti-mask test. Anti-Mask test can not be initiated on a loop already in Self Test.

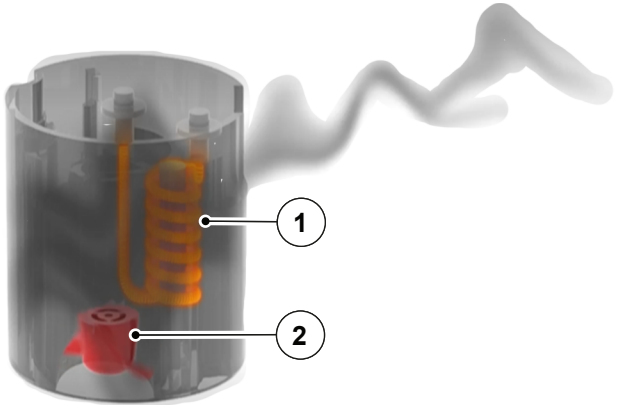
WHAT IS A PURGE?

The purge option is a command that can be used typically after a failed Self-Test, as resulted of a **Device Masked** error. The purge is intended to be initiated after the device has been inspected, and the potential obstruction removed from the device. The purge command initiates the fan to clear the device of any remaining smoke inside the chamber, attempting to return the device to its nominal condition and enabling the device operation. The purge function will result in a 'Pass' or 'Fail' condition, depending on result of the smoke/contamination remaining inside the chamber. If the device fails the purge, it will remain in a disabled condition.

The purge option can also be initiated at any point, even without mask failure or after self testing. It can be initiated from the device control menu. The purge can not be initiated if any device is on the same loop that is currently in Self-Test.

HOW THE DEVICE TESTS FOR SMOKE

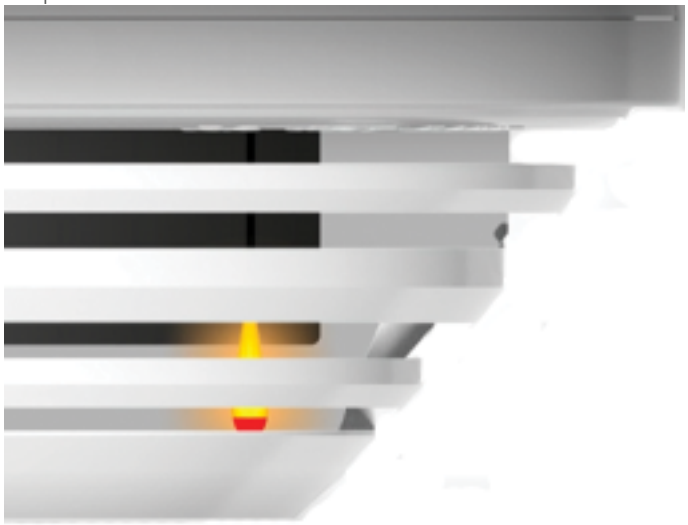
When you do a Self-test procedure for smoke, the device puts energy through a wax covered coil (1) that generates an aerosol.



The fan (2) at the bottom of the device blows the aerosol into into the sensing chamber.

HOW THE DEVICE TESTS FOR HEAT

When you do a Self-test procedure for smoke, the device puts energy into the themistor to heat the component. When a signal is sent that it reaches the necessary heat to trigger a warning, the energy supply stops.



AFTER THE SELF-TEST PROCEDURE

01 At the start of the self-test procedure the fan is on low so that the generated aerosol moves into the sensing chamber.

02 Once the detector senses the aerosol the fan speeds up and clears the aerosol from the sensing chamber.

03 The fan clears the sensing chamber to a clean air condition to prove that all smoke entry points are sufficiently clear.

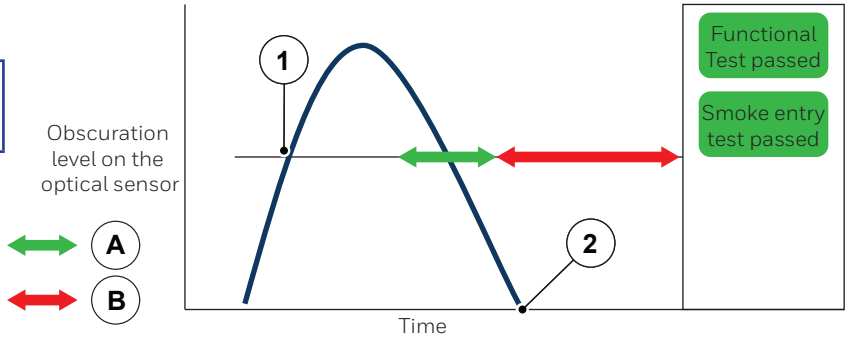
Make sure that all entry points on the detector are clear of blockages to enable the detection of fire. An error code can occur that indicates there is masking of the detector or that cleaning is necessary.

Anti-masking and failure modes

How to prove the detector is unmasked

During this test the dust cover is not on the device.

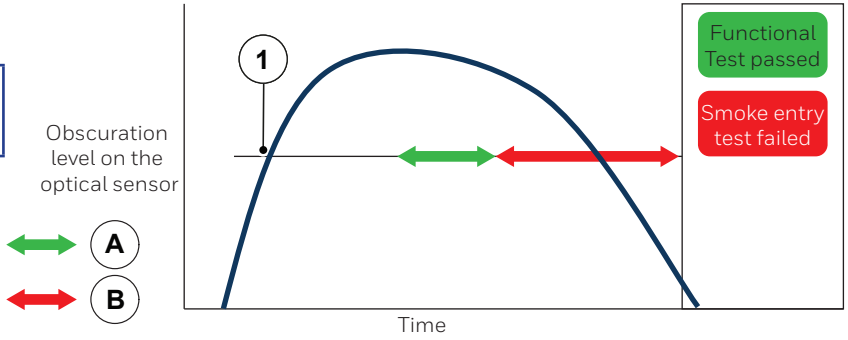
(1) Alarm threshold reach - Function test is passed.
(2) Returned to clean air
(A) Pass
(B) Fail



How to prove the detector is masked

During this test the dust cover is on the device.

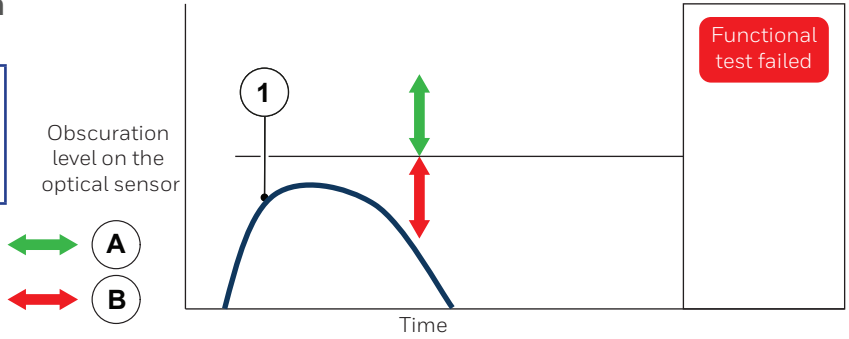
(1) Alarm threshold reach - Function test is passed.
(A) Pass
(B) Fail



No functional test completed - high airflow

During this test the airspeed adjacent to the device must be lower than 1.5m/s. This test is not suitable for duct applications.

(1) Smoke gets blown out before alarm threshold met
(A) Pass
(B) Fail



Failure modes

Couldn't clear smoke: Occurs because the smoke has some enclosed volume to exhaust into but starts recirculating some of the smoke back into the chamber which doesn't allow the chamber to clear sufficiently.

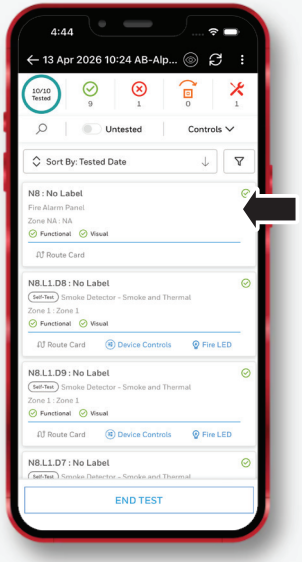
Dust cover detected: Occurs because there is almost no place for the smoke to exhaust and the chamber basically stays in saturation until the cover/mask is removed.

Testing cause by effect

The cause by effect test proves the functionality of the system. It uses real smoke or software through the self-test process to trigger a real event in the detector. This sends an alarm signal back to the panel allowing your engineer to view the output events that have been triggered.

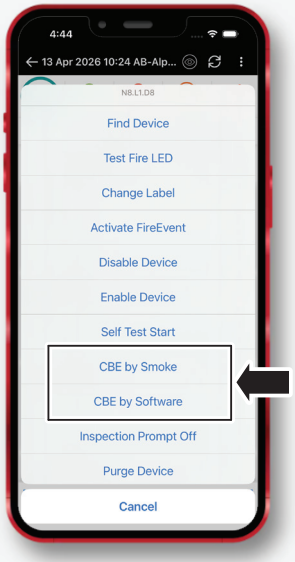
This means that with just one commissioning engineer you can trigger the alarm, view which outputs have been turned on as well as seeing the panel response, reducing three engineers down to just one.

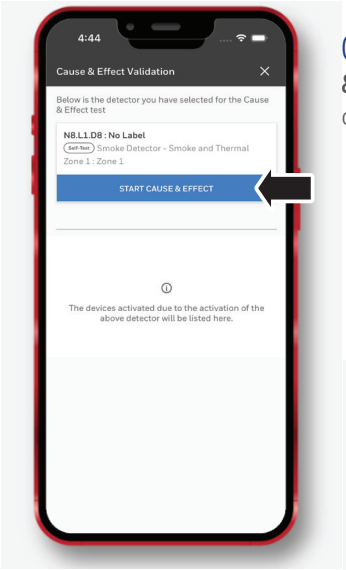
The functionality gives you an audit trail to validate that your engineer (through swiping right on the App) has viewed the output event.



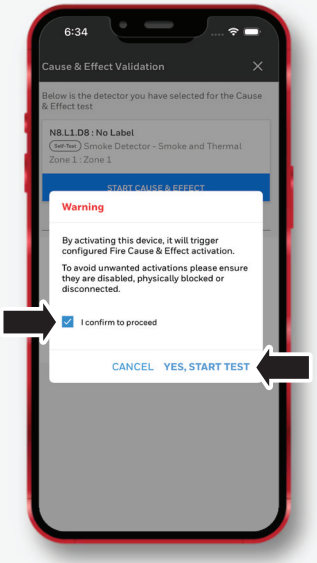
01 Select the device that you want to test from the device list.

02 Select either **CBE by Smoke** or **CBE by Software** to start a Cause and effect test.

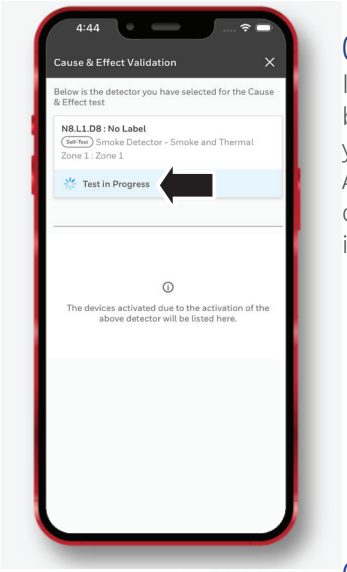




03 Select **START CAUSE & EFFECT** to start the test on the selected device.



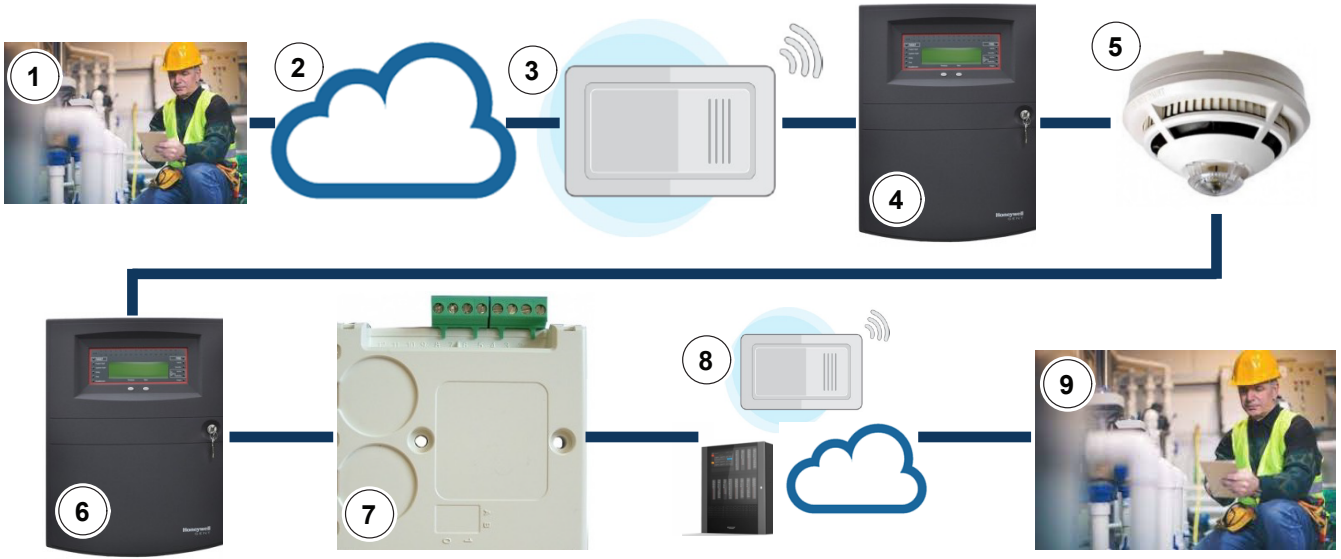
04 Acknowledge the on screen warning. You must select the tick box and then select **YES, START TEST** to continue the test.



05 This initiates the test. It can be necessary to wait between 30-40 seconds if you select the smoke test. A message shows on the display to show if the test is in progress.

06 When the test is completed, the necessary output will trigger to prove functionality.

CAUSE AND EFFECT WORKFLOW



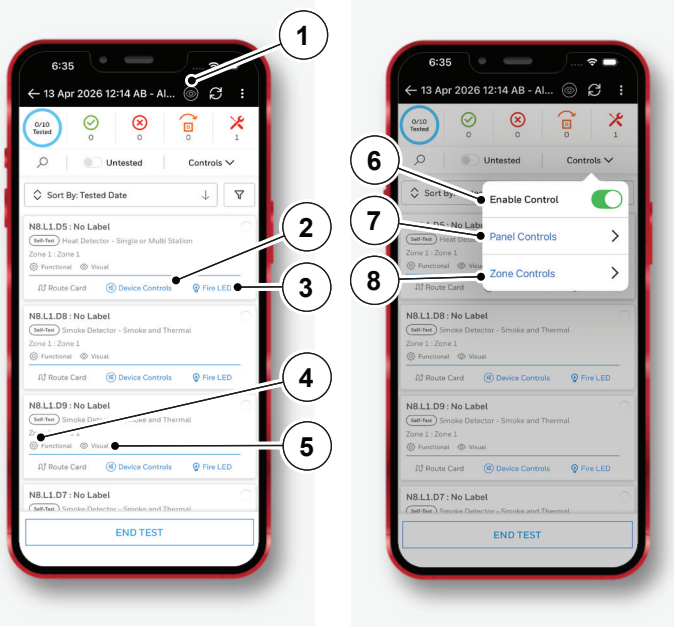
(1) Engineer at the output device
(2) Engineer sends the input trigger through the cloud
(3) Input goes through the gateway
(4) Input goes to the panel.
(5) Panel sets the smoke off in the self-test detector
(6) The signal from the detector creates an alarm event in the fire panel
(7) Outputs triggered
(8) Output data send back through the gateway and cloud
(9) Engineer views the output at the device

Before you go on site

Before you attend a site for maintenance, make sure that you have the following:

- An iPhone or android phone with the CLSS app installed.
- An active CLSS account with Honeywell and the maintenance engineer has the log in credentials for CLSS app.
- The Vigilon panel should have a fixed CLSS gateway installed and activated.
- A test plan organised for the site where needed (can only be done on site manager), or you can simply select all devices once on site.
- The maintenance engineer should be trained on CLSS and be clear on how the primary functions should work i.e. selecting buildings and pairing to gateways alongside of setting up test plans etc.
- For further details on CLSS set up please go to <link to doc.>.

Self-Test overview



(1) Visual inspection toggle switch:

- Allows the visual inspection to be performed
- Will turn on the BLE in the App and search for devices
- Option to turn on Inspection prompts for Self-Test devices requiring visual Inspection only (coming soon)

(2) See all the device control options for the device:

- Can be used To perform Self-Test for this device only
- Can be used to do C&E testing
- Other control options include change label, enable, disable, find device.

(3) Test Fire LED:

- Can be used temporarily flash the red fire LED on the device.
- Can be used to ensure the device information is correct.
- Does not operate any Audio or Visual outputs in the device.

(4) Functional test indicator:

- A green tick shows the device has passed the functional test
- A red cross shows the device has failed the functional test
- If greyed out the device has not been functionally tested

(5) Visual Inspection indicator:

- A green tick means the device has passed the Visual Inspection.
- A red cross shows the device has failed the Visual Inspection.
- If greyed out the device has not been Visually Inspected.

(6) Enable control to activate App control:

- Required to allow Self-Test and Visual Inspection commands.

(7) Click to Zonally test the devices in this test session

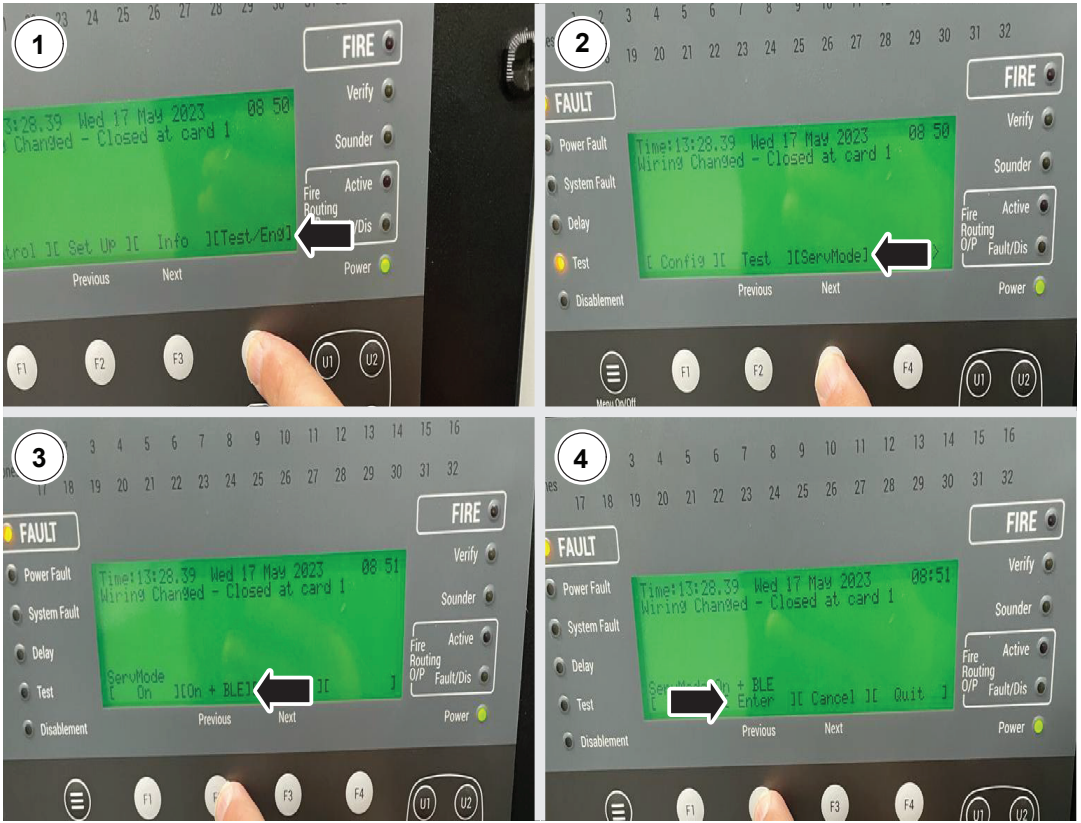
- Can be used to put zones into test with optional Inspection prompts.
- Can be used to perform Self-Test in zones.

(8) Click to test the devices in this test session by panel and loops:

- Can be used to perform Self-Test by panel (node) and loops.
- Can be used to Silence & Reset the panel.
- Can be used to cancel the panel buzzer.

Put the panel in service mode

Before you use the self-test functionality you have to put the panel into service mode.



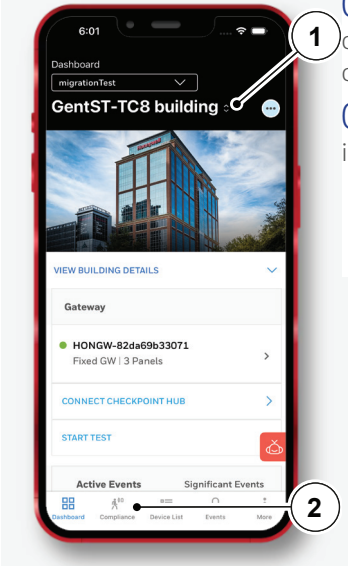
01 In the menu section press **Test/Eng** (F4) until the display shows service mode as an option.

02 Select **ServMode** (F3) to set the panel to service mode.

03 Select **on+BLE** (F2) to enable Bluetooth® beaconing from the devices.
NOTE: If your site does not allow Bluetooth® beaconing select **On** (F1).

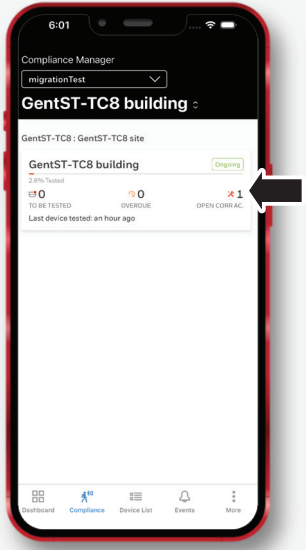
04 Select **Enter** (F2) to commit the command.

Getting started

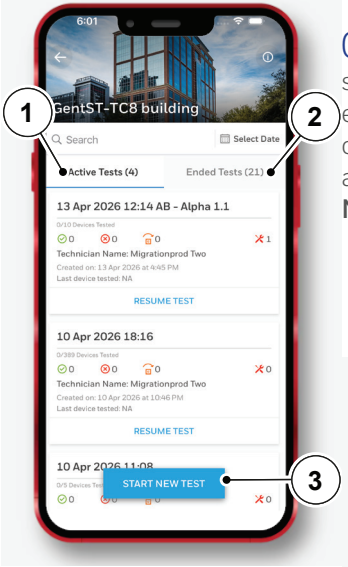


01 Make sure that the correct building (1) is set on the app.

02 Select the Compliance icon (2).

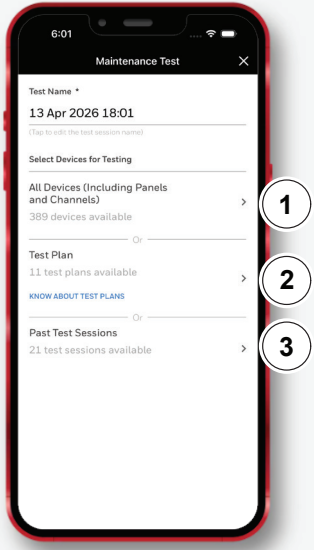


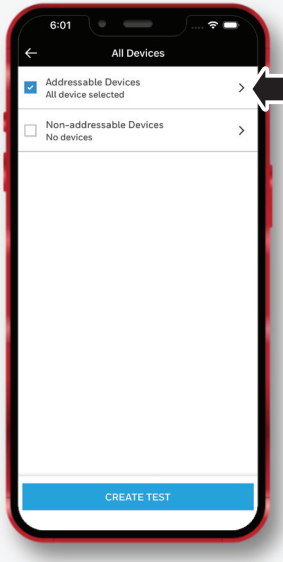
03 This menu shows the status of tests on the site. Select the site to continue.



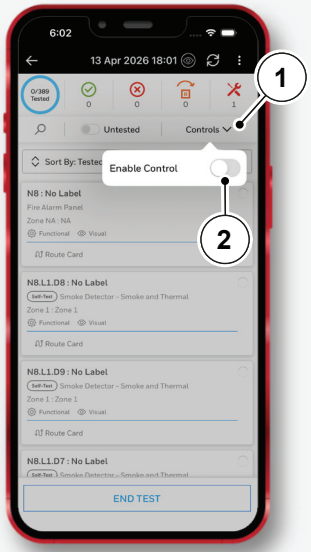
05 Select the whole site (1), an existing test plan (2) or use a previous test plan (3).

04 On the site page it shows the active (1) and ended (2) tests. To continue on an active test, select the active test or select **START NEW TEST** (3).

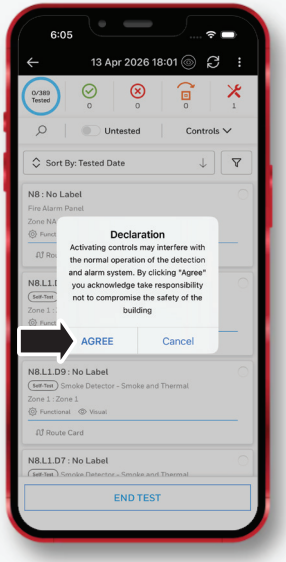




06 Select **Addressable Devices** to see a list of Self-test devices.

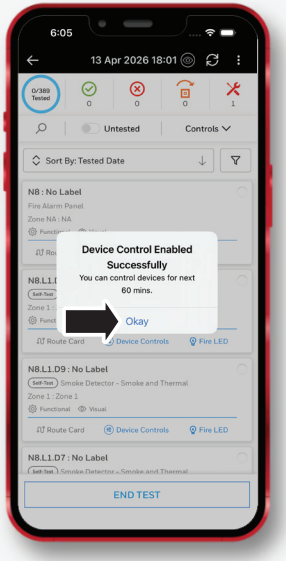


07 Select **Controls** (1) and then toggle the **Enable Controls** (2) button to enable panel and zone controls.

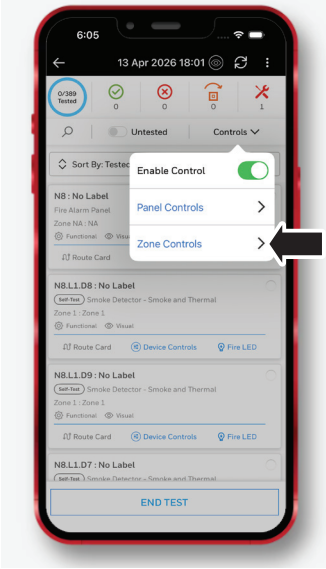


08 Select **AGREE** on the pop-up message to agree to the declaration and continue with device control from the app.

09 Select **Okay** on the message. You now have control of the panel from the app.



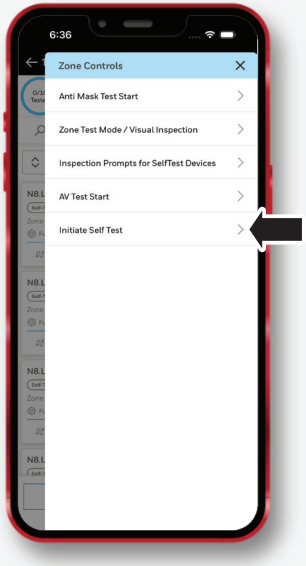
TEST BY ZONE OR LOOP

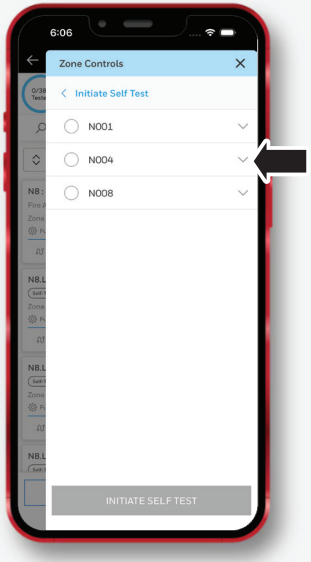


11 Select **Initiate Self Test**.

10 Select **Controls** and then **Zone Controls**.

> You can select a loop by selecting **Panel Controls** at this step.

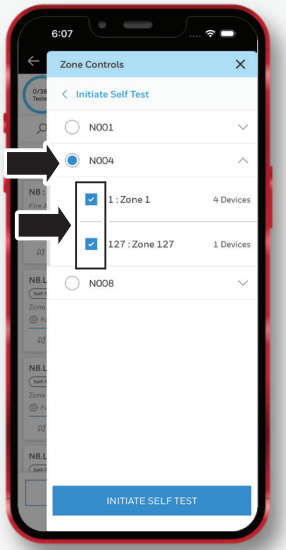




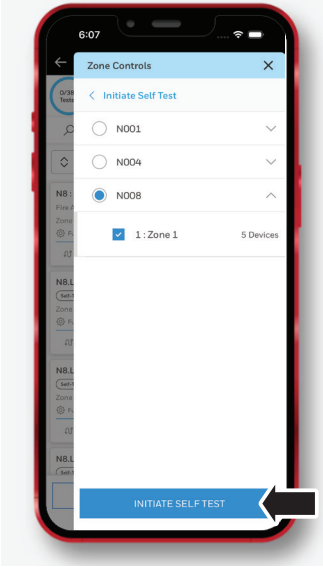
12 Select the down arrow next to the applicable Node of zones to show zones

13 You can select the individual selection boxes to test individual zones.

14 You can select the round button next to the Node for the zones to test all the zones in the node.

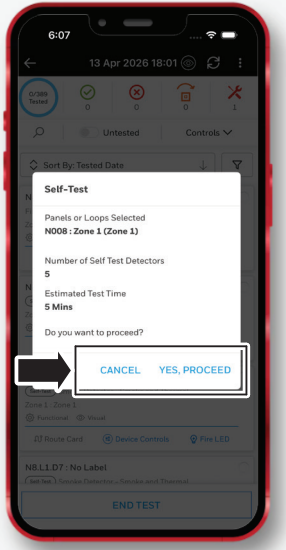


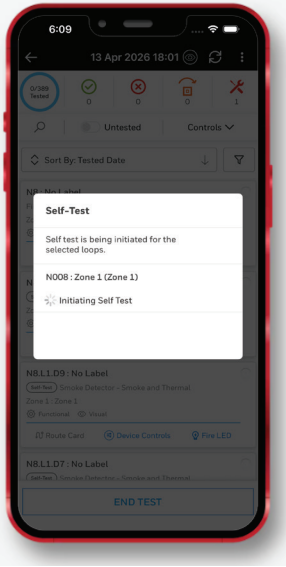
START THE SELF-TEST



15 Select **INITIATE SELF TEST**.

16 Review the data on the pop-up menu and select **YES, PROCEED** if the zone data is correct. Select **CANCEL** to go back and reselect the zones.



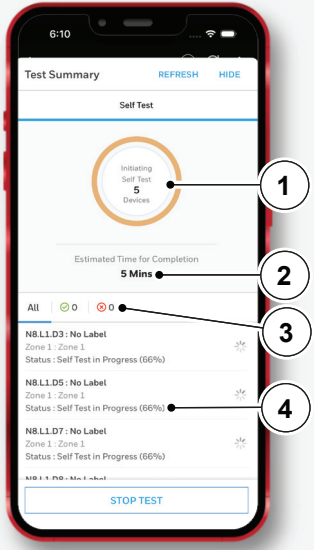


17 The next menu is a loading menu that confirms that the selected panels or loops have been sucessfully initiated. The menu closes when the initialisation is complete.

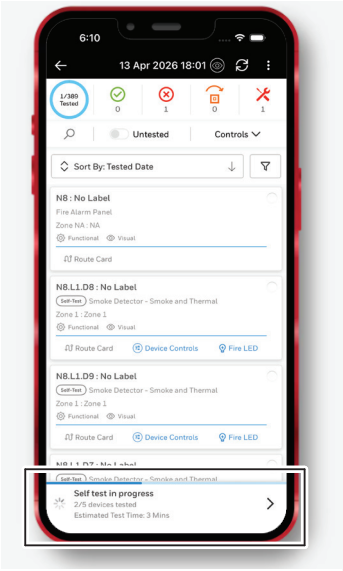
18 The Self-Test menu shows:

- Number of tested devices (1)
- Completion time (2)
- Progress for the zone (4)
- The number of passes and fails so far (3).

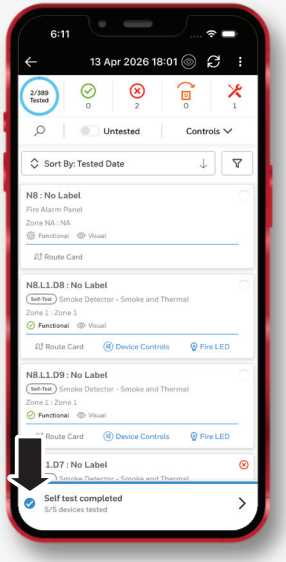
19 Select **HIDE** to minimize the test.



REVIEW SELF-TEST PROGRESS



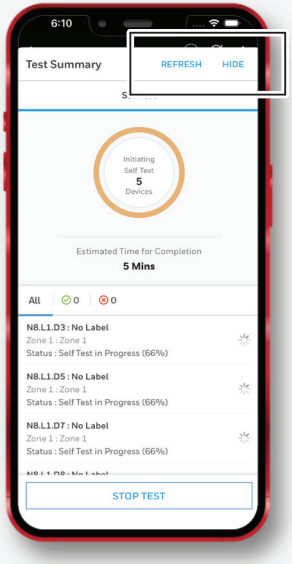
20 When you hide the test, the bottom part of the menu shows a progress box.

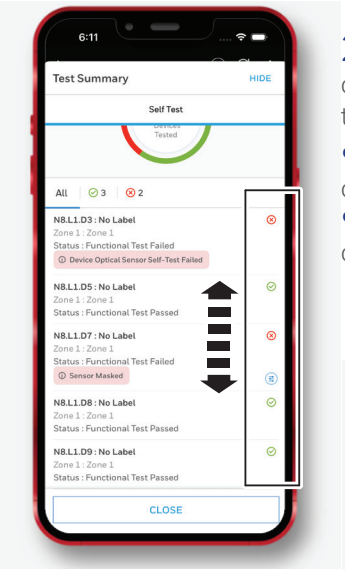


21 When the test is complete, a blue tick shows of the progress box.
To see the full details of the test select the arrow icon.

22 During a self-test event the device LED flashes amber.

23 To update the progress of a test select **REFRESH** or select **HIDE** to minimize the test.

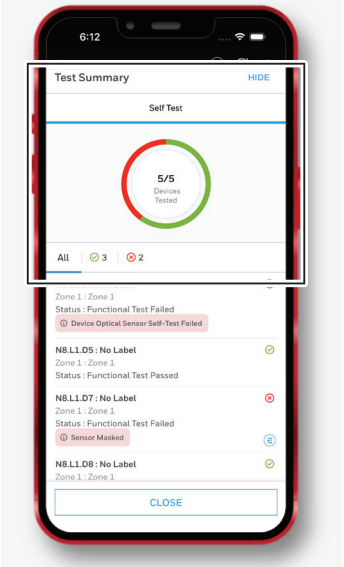




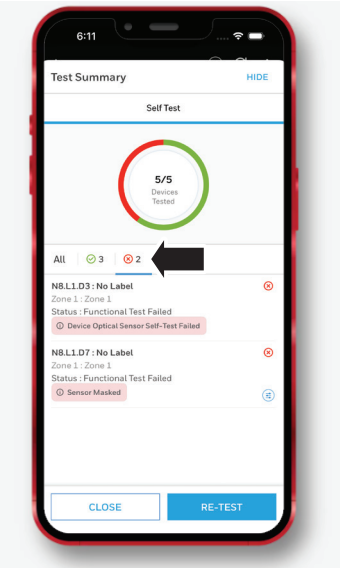
25 When the test is complete you can see the total number of passed and failed devices in the top summary.
You can use the filter buttons to see only devices that pass or fail.

24 You can scroll up and down the list to see devices that pass or fail the test.

- A green tick shows a device that passes the test.
- A red cross shows a device that fails the test.



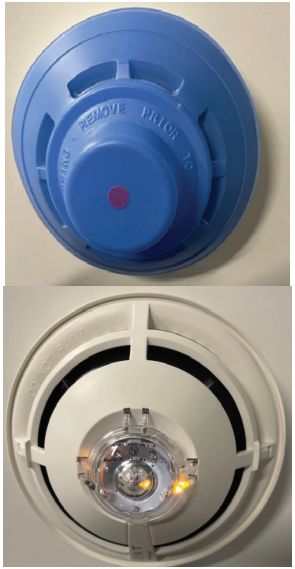
FIND A FAILED DEVICE



27 Locate the device(s) that has failed the test.

28 When a device has failed the LED slowly flashes amber. When the device is fixed and the test is passed, the amber LED turns OFF.

26 Select the red cross to show only the failed devices.
The menu shows the device number, the text label and a reason for the failure.



How beaconing works

The screen will show all devices in visual inspection range of the mobile phone.

The mobile phone App picks up the strongest beacon signal (generally the nearest one) and places it to the top of the list and turns the side bar dark blue.

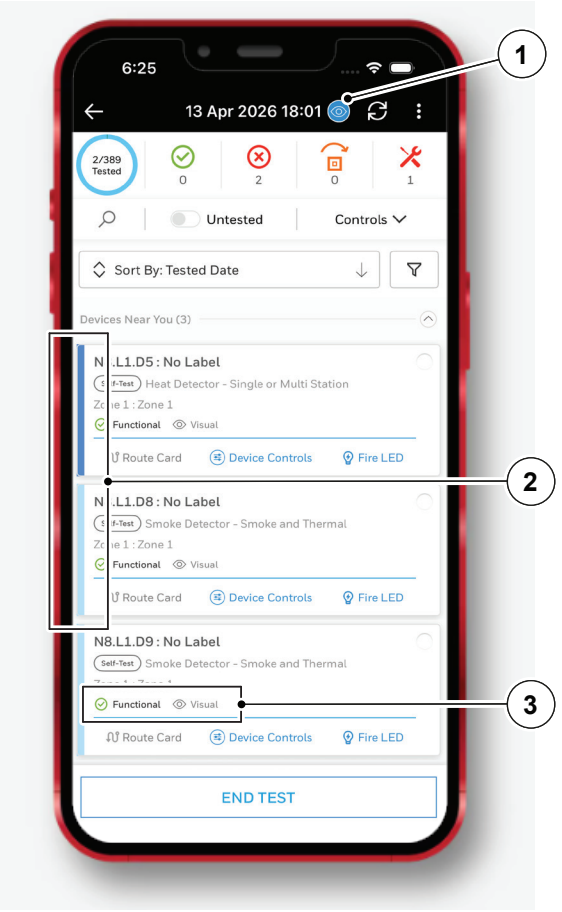
All other detectors are placed in order below the nearest device and coloured light blue.

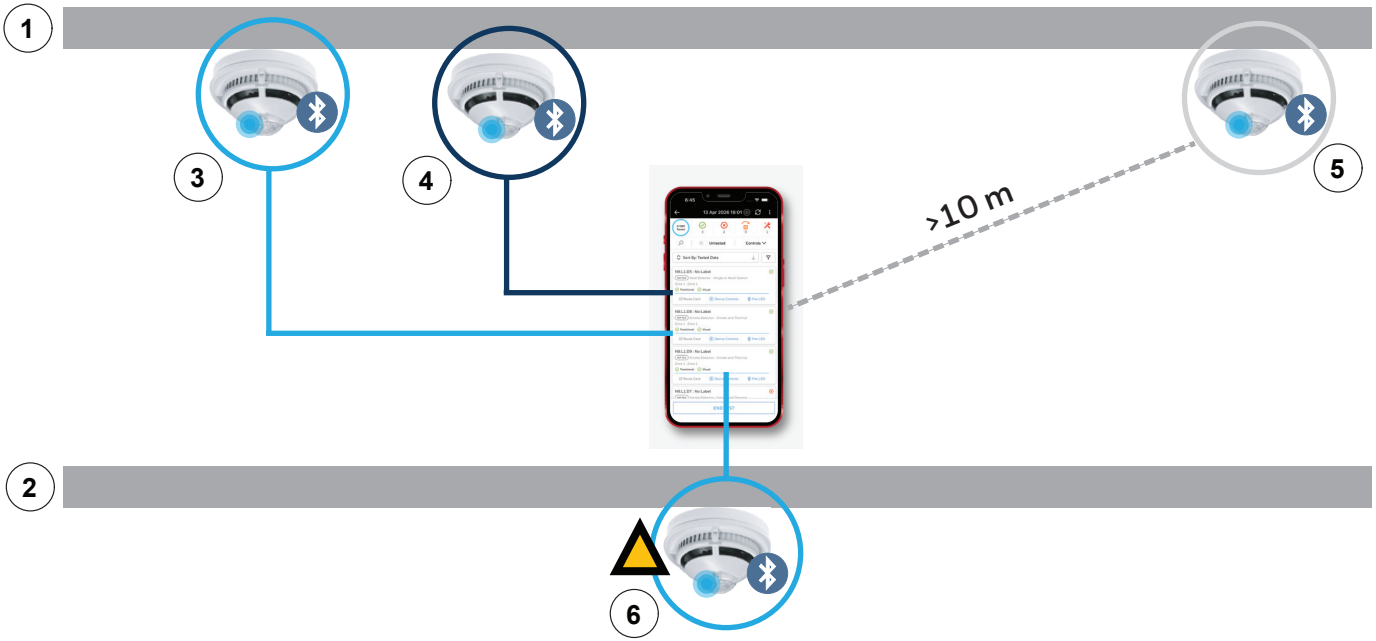
(1) Select this icon to set the visual inspection beacons ON or OFF.
(2) These blue lines show the strength of the signal from the device. The weakest signal shows at the bottom of the list. These only show during a visual inspection.

- Dark blue lines show a strong signal strength.
- A light blue line shows a weaker signal strength.

(3) Indicator icons:

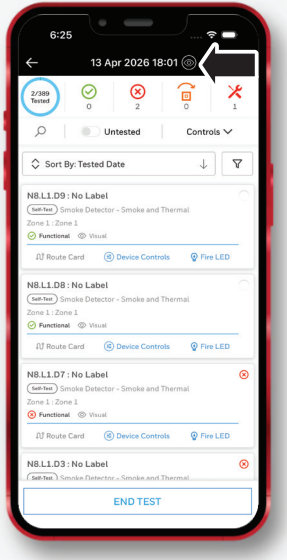
- The Functional icon shows a green tick when a functional test is completed.
- The Visual icon greys out when a visual inspection needs to be completed and a green tick when the visual inspection is done.



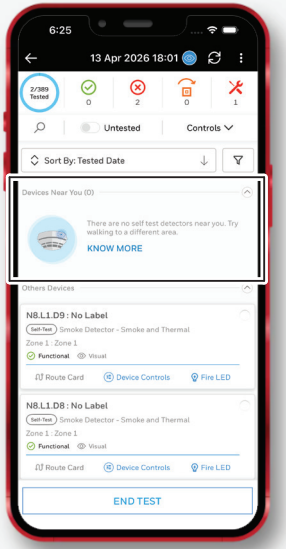


(1) Ceiling of current floor
(2) Floor above or below
(3) Weaker signal (light blue): In range
(4) Stronger signal (dark blue): Nearest devices
(5) Out of range devices, above 10 m
(6) Detectors on the floor above or below can show as within visual inspection range.

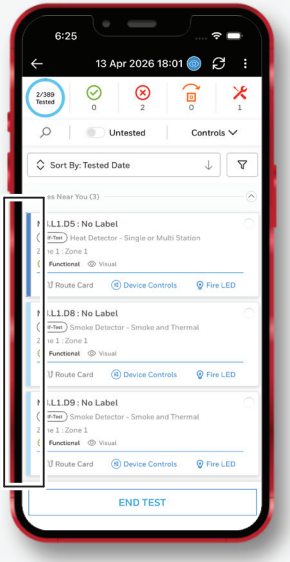
Start a visual inspection



01 Select the eye icon to start a Self-Test.
Each device shows the number, area, zone number and label with the device type.

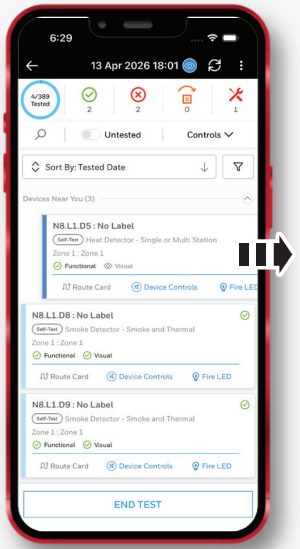


02 When there are no devices nearby this message shows on the menu.

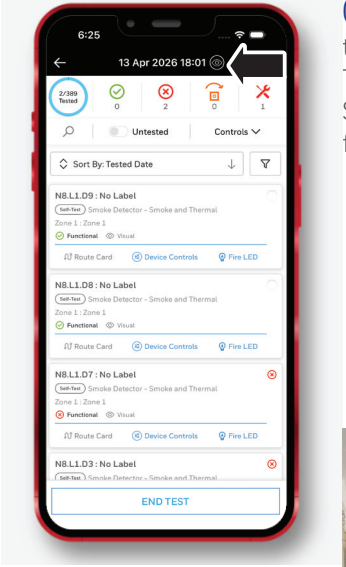


03 The nearest device shows a dark blue line. All the other devices in range show a light blue line.

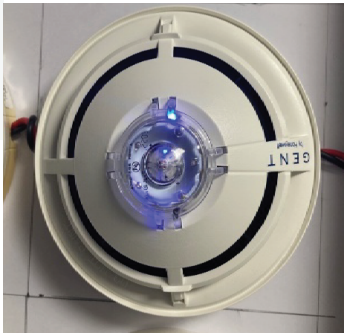
04 If the device shows a blue LED, swipe the detector to the right to confirm a passed visual inspection.
The visual inspection icon changes from grey to green. The device is now fully tested.

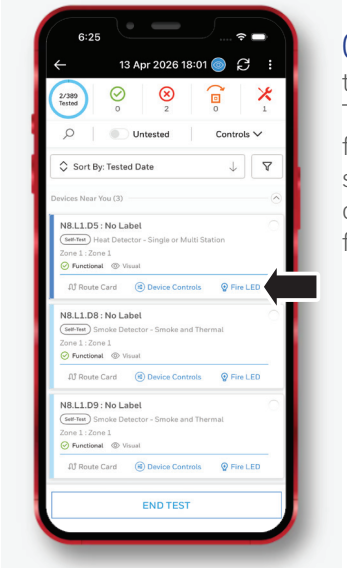


Find device/Test the fire LED



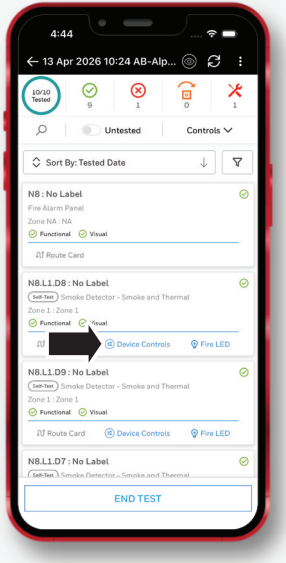
01 Set visual inspection to ON.
This sets the device into Self-Test mode. The LED flashes blue.



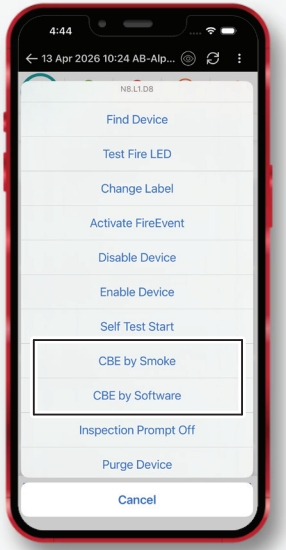


02 Select **Fire LED** on the applicable device.
The red LED starts to flash for 15 seconds. After the 15 seconds the LED then changes back to the blue flashes for Self-Test mode.

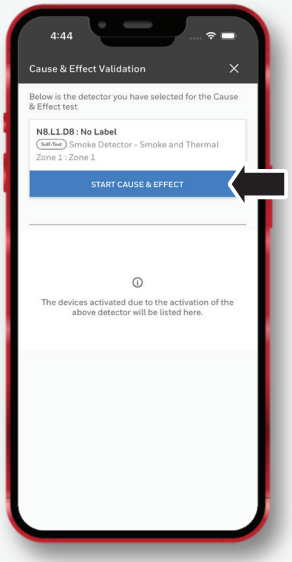
Cause and effect test (software or smoke)



01 Select **Device Controls.**



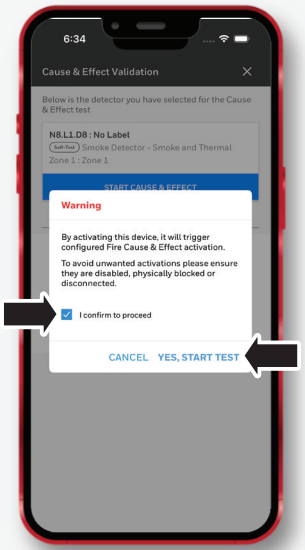
02 Select **CBE by Smoke** or **CBE by Software**.



03 Confirm the device number on the display and then select **START CAUSE & EFFECT** to start the test.

04 A warning shows on the menu. The test activates all panel outputs related to the test. Select the confirmation box and then **YES, START TEST**.

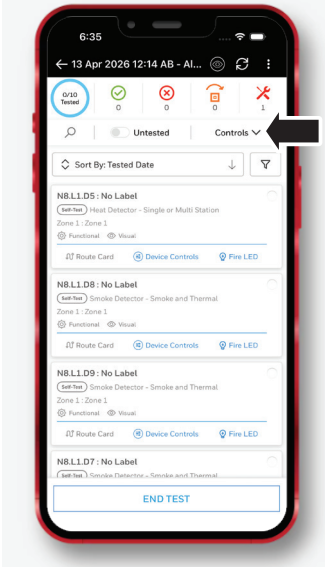
05 During the test the display shows the message **Test in progress**.



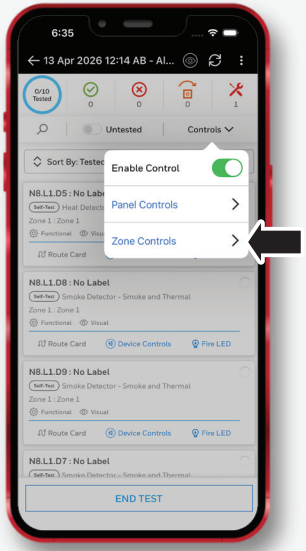
Zone test functions

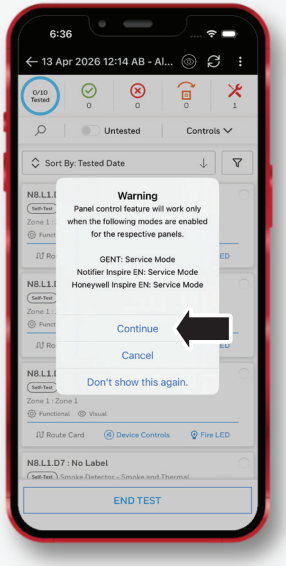
Make sure that the panel is in Service mode.

01 Select **Controls.**



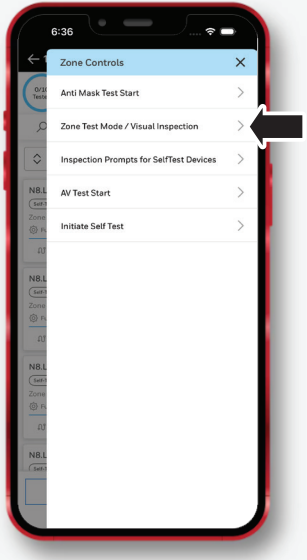
02 Select **Zone Controls**.

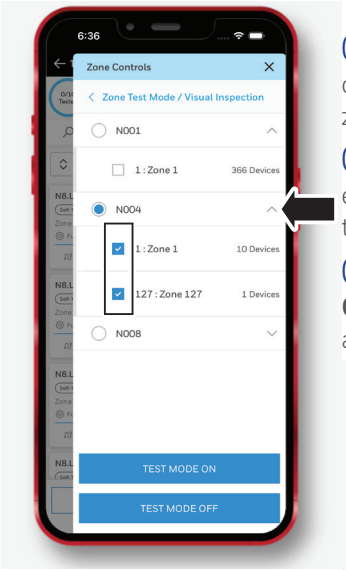




04 Select **Zone Test Mode**.

03 Select **Continue** to confirm the panel is in **Service Mode**.

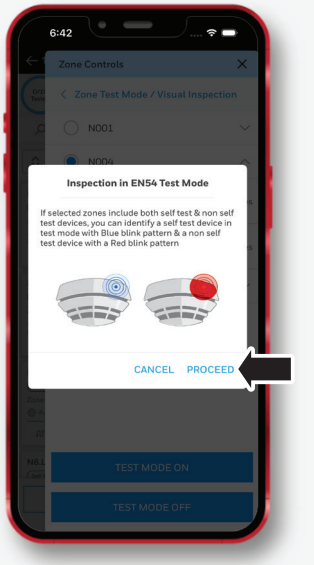




05 Select the down arrow on the node to show the zones inside the node.

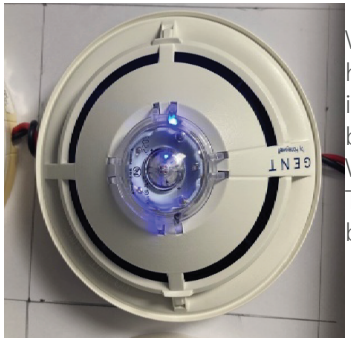
06 Select the box next to each zone that you want to test.

07 Select **TEST MODE ON** to activate the applicable devices.



08 The pop-menu shows how to identify a Self-Test and non Self-Test device. Select **PROCEED** to set the devices in the zone to test mode.

LED VISUAL PROMPTS FOR THE ZONE FUNCTION TEST



When a Self-Test detector has not completed a visual inspection, the LED flashes blue.
When you complete a Self-Test through the app, the blue LED turns OFF.

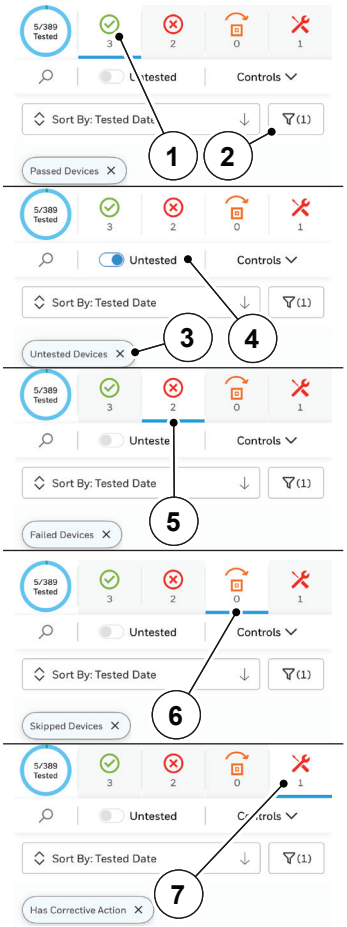
A detector that does not have a Self-Test function, the LED flashes red to show that a functional test is necessary.
Complete the functional test with canned smoke. The red LED stops when the test is completed.

View and filter devices

By using the filter function you can select what devices you want to see in the device list on the display. Whenever you use a filter, the number of filters applied at the time (2) also show on the menu (3). Below some of the filters, the number of devices in range, that fall under that filter category show below the icons.

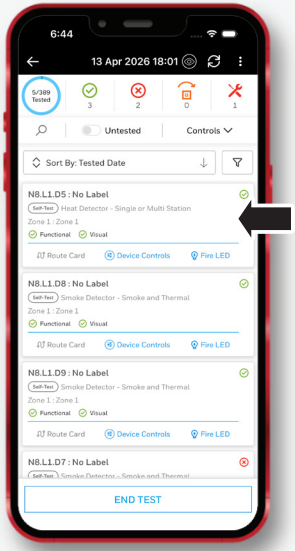
> All the filters you can apply show non Self-Test devices in the list of devices below the filter..

- Select the green icon (1) to show just the devices that have passed a test in the device list.
- Select the red icon (5) to show all the devices that fail a test in the device list.
- Select the **Untested** toggle filter (4) to show only devices that you have not tested.
- Select the skipped devices icon (6) to show devices that were skipped during a Self-Test. This funtion can be useful to access devices that were missed or unaccessable at the time of the device testing.
- Select the Has Corrective Action icon (7) to show devices that need to have maintenance or corrective actions done to them before you can test the device.

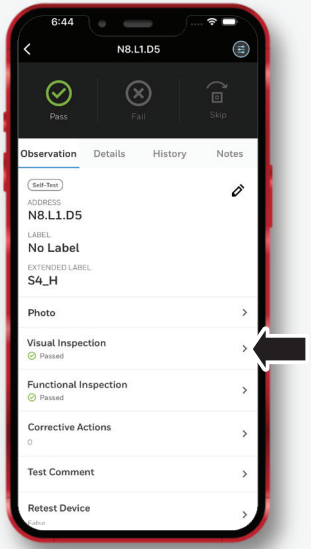


Other functionality

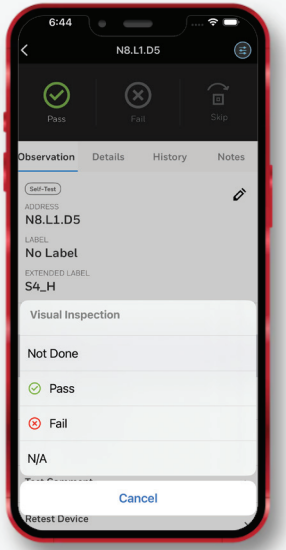
CHANGE THE INSPECTION STATUS OF A DETECTOR



01 Select the device you want to change the inspection status of.



02 Select **Visual Inspection**.

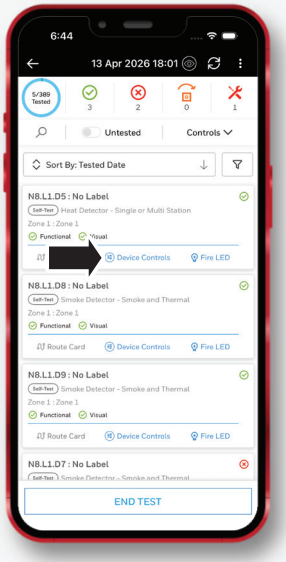


03 You can manually change the result of the Visual inspection.
You can change it to:

- Not done
- Pass
- Fail
- N/A if you want to clear the status for the device.

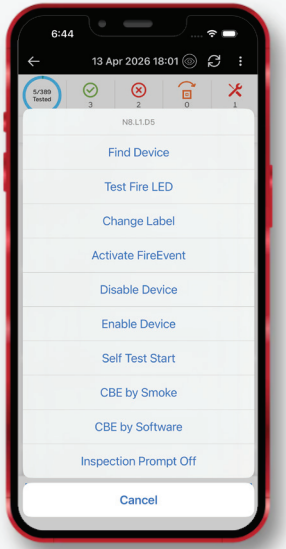
This function is useful for when you are not in visual inspection range to pass the device or if you have incorrectly set the result for the wrong device.

FURTHER DEVICE CONTROL

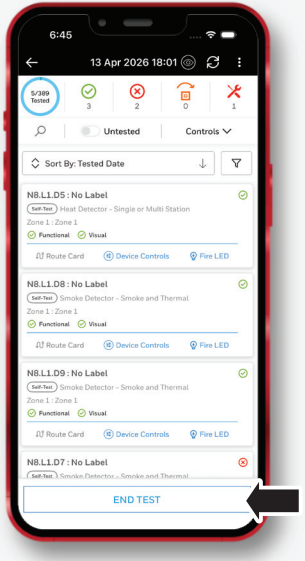


The menu that shows lets you start a number of Self-Test funtions, but also lets you do functions such as change the device label and turn the inspection prompts OFF.

There are additional functions for a device when you select the **Device Controls** icon.

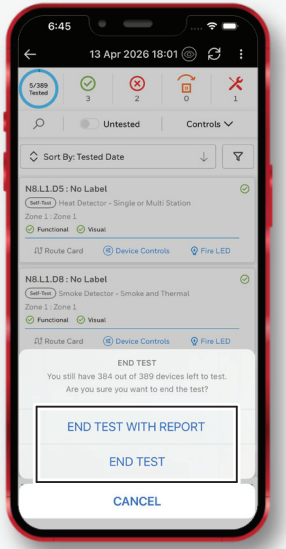


END A SELF-TEST AND CREATE A REPORT

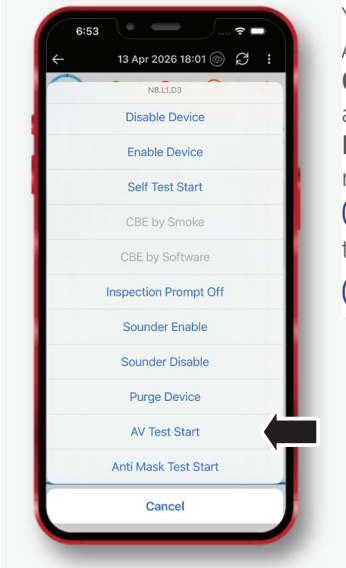


On the pop-up menu you can select to end all the active tests with or without a report.

If you scroll down slightly the **END TEST** button shows at the bottom of the menu.



AV TEST

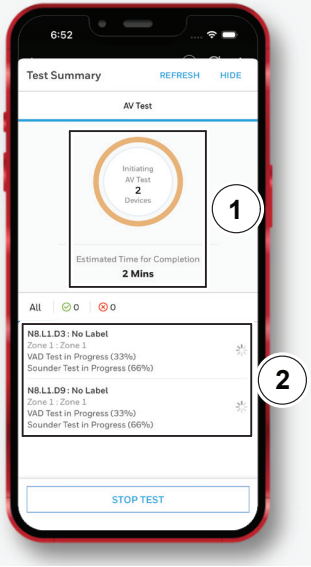


You can choose to do an AV test through the **Panel Control** menu or just select a single device to test from **Device Controls**. To test multiple devices.

01 Select **Controls** and then **Panel Control.**

02 Select **AV Test Start.**

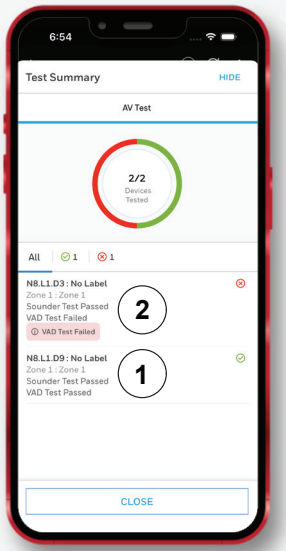
03 Select the node or the individual zones in a node you want to test.



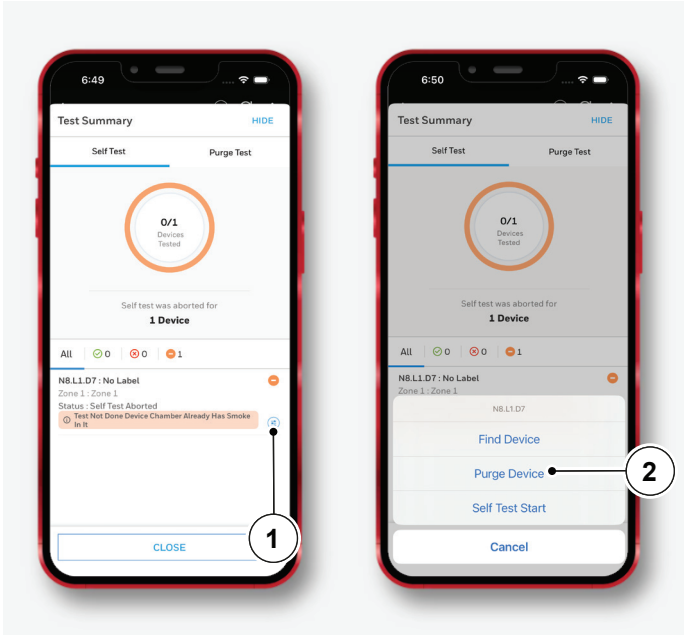
04 The app confirms that the signal has been sent to the devices. Select **Ok** to go to the test menu.

05 The test menu shows the current progress of the test (1) and a list of the devices being tested and their progress (2).

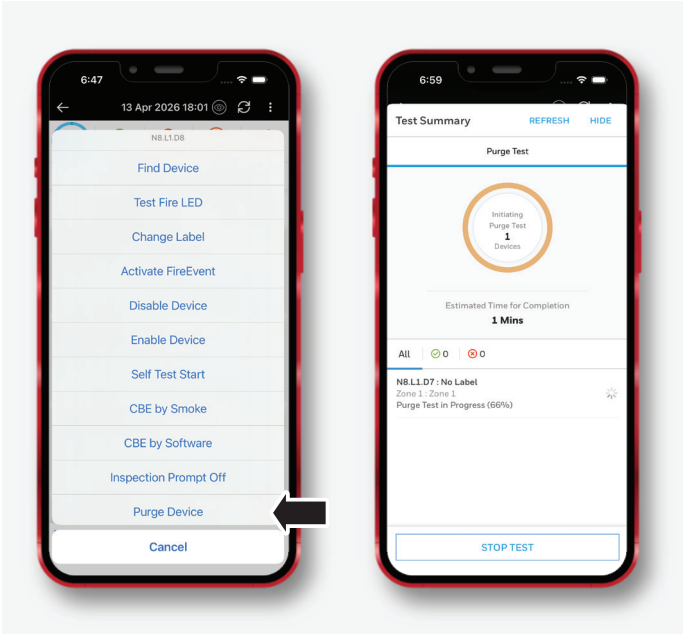
06 When the test is complete, it shows which devices passed (1) and which devices failed and the test that it failed (2).



PURGE A DEVICE

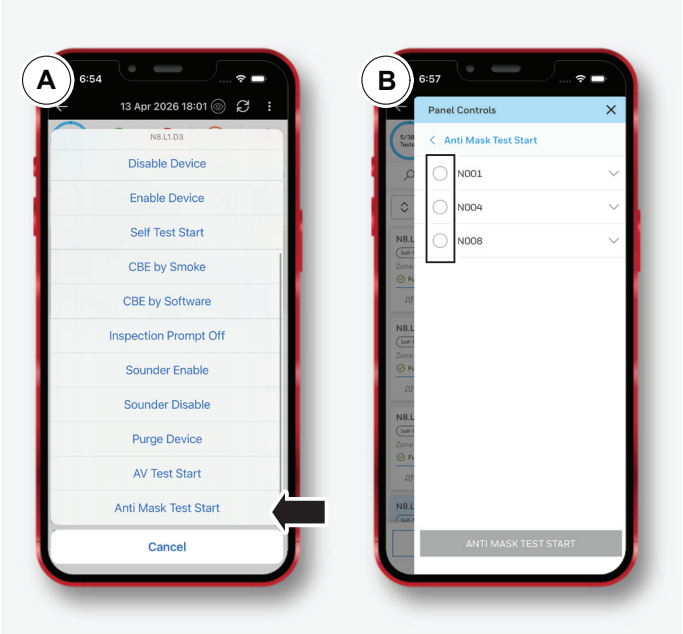


If a device fails a Self-Test or Anti-Mark test due to smoke entry, it will disable the device and you must purge the device before you can retest it. Select the device menu (1) and then select **Purge Device** (2).



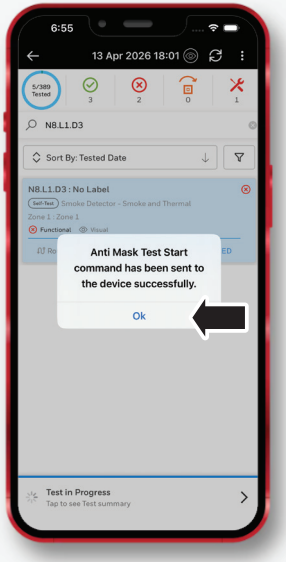
You can also purge a device from the **Device Controls** menu. In the **Device Controls** menu you can select **Purge Device** to start the device purge. A seperate Test Summary opens to show the progress of the device purge.
When a purge is complete it will enable the device again to retest it.

ANTI MASK TEST



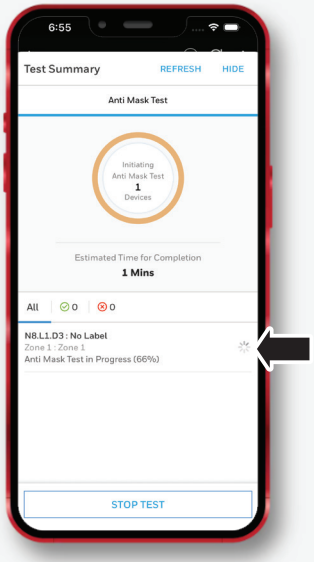
You can do an Anti-Mask test from either the **Device Control** menu (A) if you want to test a single device or the **Panel Controls** menu (B) if you want to test multiple devices in a node or zone.

01 Through either menu select **Anti-Mask Test Start** to start an Anti-Mask test.

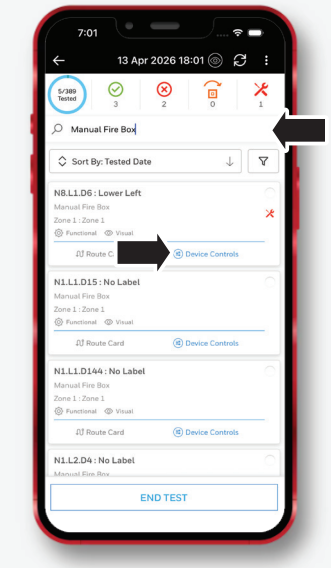


02 A pop-up menu shows to confirm that a command has been sent to the selected device(s). Select **Ok** to go to the test menu.

03 The test menu shows the current progess of the selected device(s).

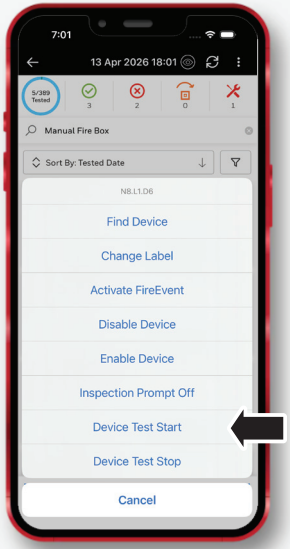


MANUAL CALL POINT (MCP) TEST

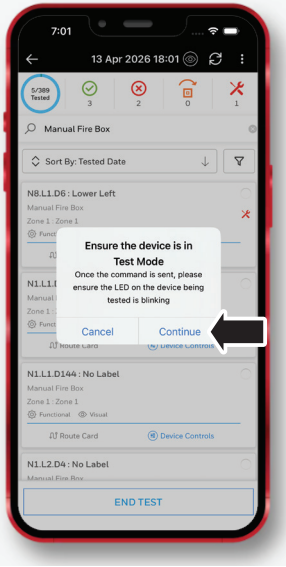


01 Search for **Manual Fire Box** in the search bar.

02 For the applicable device select **Device Controls**.

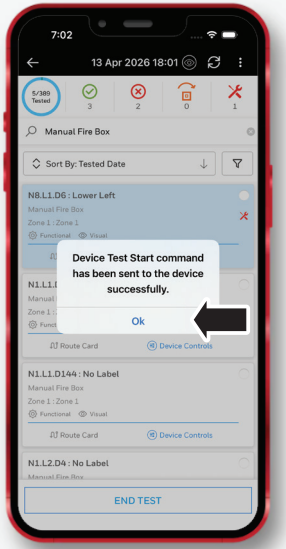


03 Select **Device Test Start**.

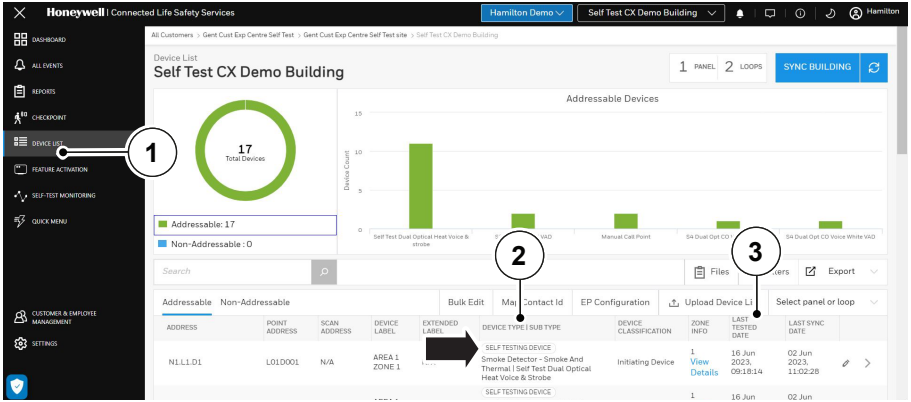


04 A pop-up message shows. Make sure that the device is in test mode, the LED should flash on the device being tested.
If the device is in test mode, select **Continue** to start the test.

05 A second pop-up message shows to confirm that a command has been sent to the device.
Confirm the operation of the device and set the test completion as necessary.

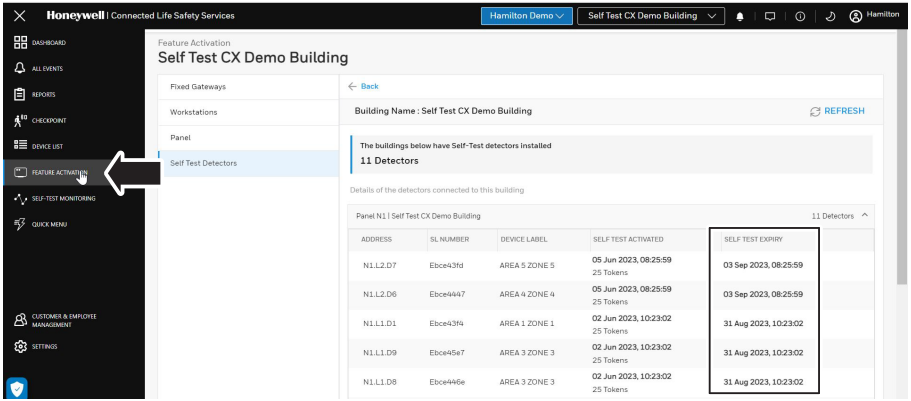


CLSS Site Manager



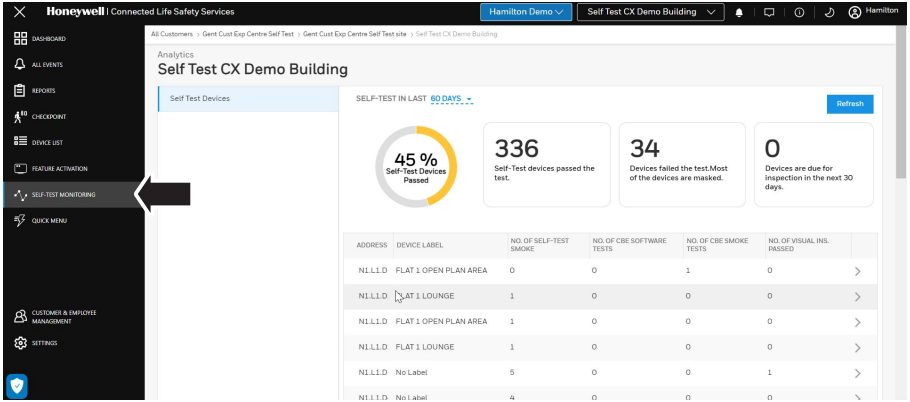
VIEW THE SELF-TEST DEVICES

On the **Device list** tab (1) you can view the different device types on the whole system.
The the **Device Type** column (2), a Self-Test device has the **SELF TESTING DEVICE** label to highlight the Self-Test devices in the list.
On this menu you can see when the device was last tested (3).



VIEW REMAINING ON SELF-TEST LICENSE

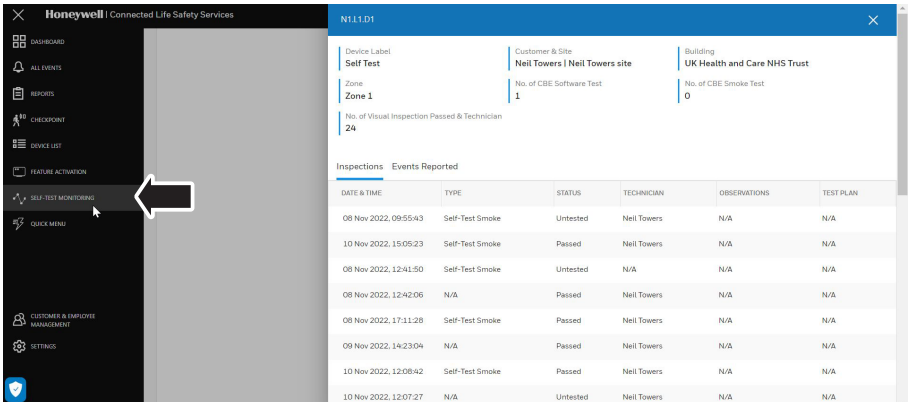
From the **Feature Activations** tab you can see how long the Self-Test license has left on it.



VIEW THE NUMBER OF SELF-TESTS

From the **Self-Test Monitoring** tab you can view the number Self-Tests that you complete for each device.

It specifys the type of test as well as the number of visual inspections completed on the device.



VIEW THE TEST DETAILS

From the **Self-Test Monitoring** tab select one of the devices in the list of devices. A new menu shows the detail view for the selected device.

The menu shows the technician that completed the test as well as time and date of the test.

Self-Test software licensing

INSTALLATION STAGE

- Device is purchased and installed on-premise
- Create or use a CLSS account to access the Self-Test features.
- Each Self-Test device purchase includes a six-month software license.

COMMISIONING STAGE

- Self-Test device license is initiated once the Self-Test feature is triggered from the CLSS mobile app during a test session.
- Initial device license includes unlimited Self-Tests for a 6 months period.
- Once the initial license has expired, no further Self-Tests can be done until a new license is applied to the device.

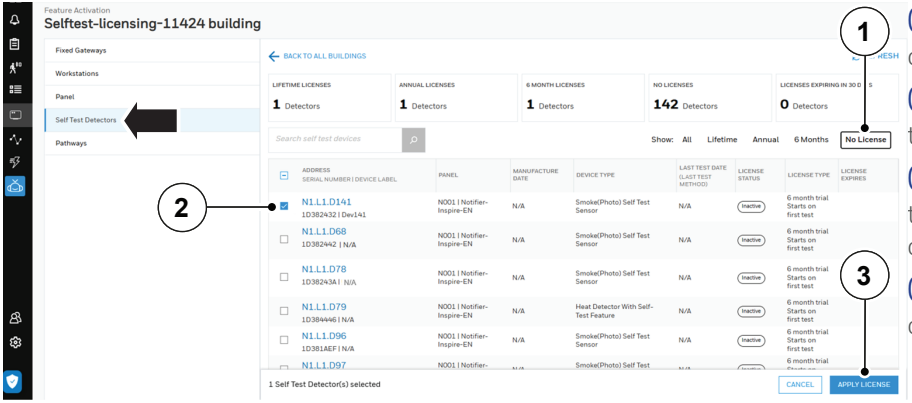
RENEWAL STAGE

- All license renewals purchased must be made through the CLSS Site Manager (web application) by an Admin with purchasing rights.
- License terms include unlimited Self-Tests – Annual (1-year) or Lifetime*
- License is activated at the time of purchase. Invoices will deploy on the 5th of the following month along with other CLSS services purchased (if applicable).
- Device license status and expiration date is viewable at any time in CLSS Site Manager.
- Active licenses can be overwritten at any time to bring alignment of license periods to a single date.

*A lifetime license is 14 years.

PURCHASE A SELF-TEST DETECTOR LICENSE

You can purchase a new Self-Test license through the CLSS Site Manager.

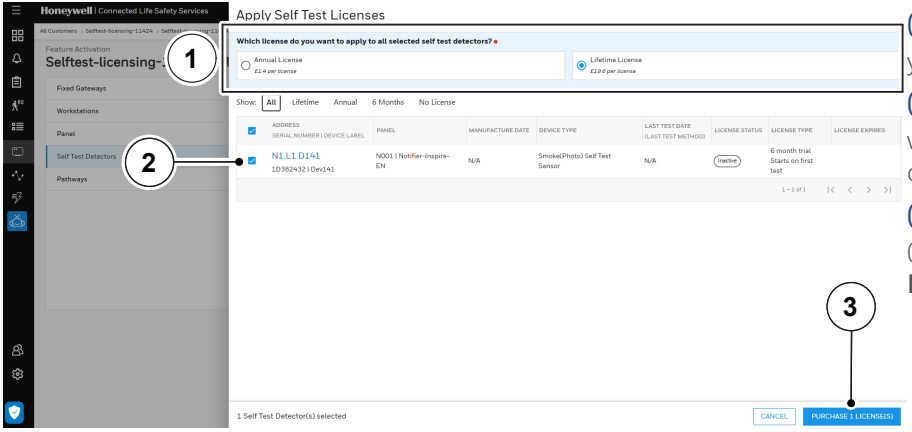


01 Go to the **Self-Test Dectectors** tab of the **Feature Activation** menu.

02 Apply the filter **No License** (1) to the list of Self-Test dectectors.

03 Select all the necessary devices that need a new license with the checkboxes (2).

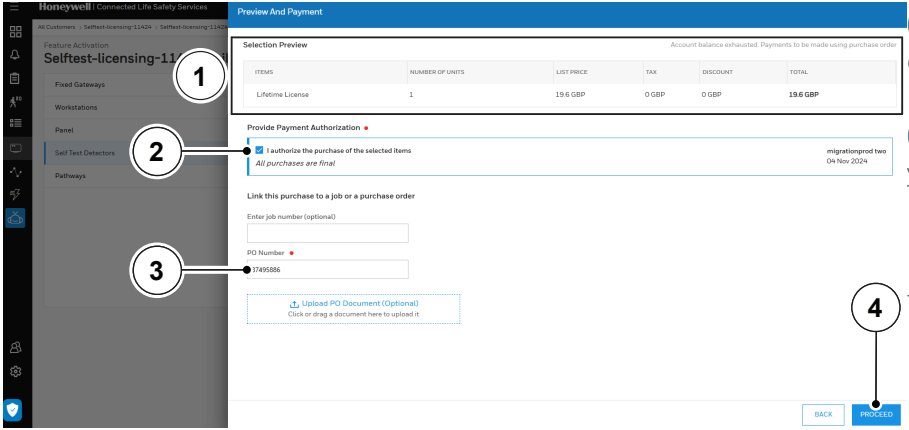
04 Select **APPLY LICENSE** (3) to continue the procedure.



05 Select the type of license (1) that you want to purchase for the device.

06 Select the device(s) that you want to apply the license to with the checkboxes (2).

07 Select **PURCHASE X LICENSE(S)** (3) to continue to the **Preview and Payment** menu.

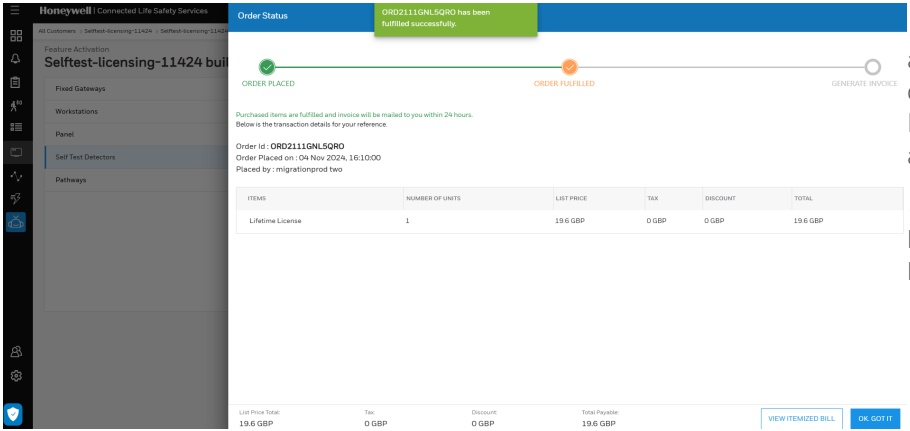


08 Review the details for the complete purchase in the **Selection Preview** box (1).

09 Select the checkbox (2) to confirm you authorize the payment.

10 Insert the PO Number in box (3).

11 Select **PROCEED** (4) to complete the purchase of the Self-Test licenses.



12 The Order Status page opens and a green confirmation box also shows to confirm if the purchase was successful. Information such as the order number are shown here.

13 An invoice for the purchase is provided in the following 24 hour period.

NOTES:

NOTES:

WEEE Directive:
At the end of their useful life, the packaging, product and batteries should be disposed of via a suitable recycling centre.
Do not dispose of with your normal household waste.
Do not burn.

At the end of their useful life, the packaging, product and batteries should be disposed of via a suitable recycling centre and in accordance with national or local legislation.

Honeywell GENT

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King Edward Avenue, Narborough, Leicester, LE19 0AL, UK

Website and Technical support:
https://buildings.honeywell.com/gb/en/brands/our-brands/gent