AUTOCALL

4007ES Operator's Manual

1 Cautions, Warnings, and Regulatory Information

READ AND SAVE THESE INSTRUCTIONS Follow the instructions in this installation manual. These instructions must be followed to avoid damage to this product and associated equipment. Product operation and reliability depend upon proper installation.

DO NOT INSTALL ANY AUTOCALL™ PRODUCT THAT APPEARS DAMAGED Upon unpacking your Autocall product, inspect the contents of the carton for shipping damage. If damage is apparent, immediately file a claim with the carrier and notify an authorized Autocall product supplier.

ELECTRICAL HAZARD Disconnect electrical field power when making any internal adjustments or repairs. All repairs should be performed by a representative or an authorized agent of your local Autocall product supplier.

STATIC HAZARD Static electricity can damage components. Handle as follows:
· Ground yourself before opening or installing components.
· Prior to installation, keep components wrapped in anti-static material at all times.

FCC RULES AND REGULATIONS – PART 15. This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

SYSTEM REACCEPTANCE TEST AFTER SOFTWARE CHANGES To ensure proper system operation, this product must be tested in accordance with NFPA72 after any programming operation or change in site-specific software. Reacceptance testing is required after any change, addition or deletion of system components, or after any modification, repair or adjustment to system hardware or wiring.

All components, circuits, system operations, or software functions known to be affected by a change must be 100% tested. In addition, to ensure that other operations are not inadvertently affected, at least 10% of initiating devices that are not directly affected by the change, up to a maximum of 50 devices, must also be tested and proper system operation verified.

2 Introduction

The user interface is touchscreen based on A007-9101 4007ES and A007-9201 4007ES Hybrid Fire Alarm Control Panels (FACP). The various functions of the panel are access-level protected, thus restricting access to sensitive features to appropriate personnel only.

The A4606-9202 and the A4606-9205 are Color Touchscreen LCD Annunciators for 4007ES panels. They provide remote annunciation of the FACP status. Access to Annunciator switch functions can be enabled or locked using the keyswitch. A maximum of six color touchscreen annunciators can be installed on a 4007ES panel.

Note: The user interfaces for the 4007ES and the 4007ES Hybrid FACPs are identical and referred to collectively as 4007ES in this document.

2.1   Reference Documents

- *579-1102AC: 4007ES Installation Manual*
- *579-1172AC: Color Touchscreen LCD Annunciator Installation Manual*

3 User Interface

The user interface is used to operate the FACP.
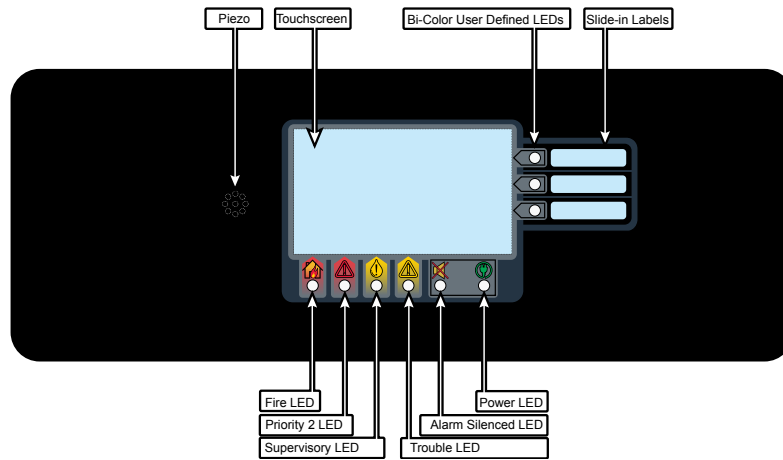
Fig 1: 4007ES User Interface
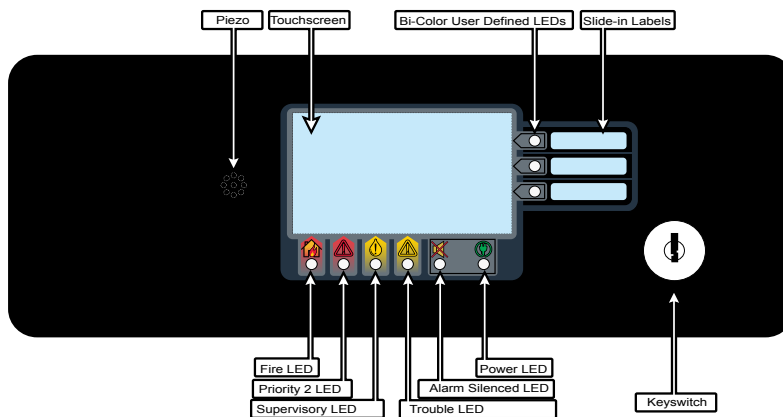
Fig 2: Color Touchscreen LCD Annunciator User Interface

Table 1: Components of the FACP User Interface

Component	Description
Touchscreen	Used as the panel's input/output interface.
Piezo	Emits tones during Alarm, Trouble, Pri2 and Supervisory conditions.
Bi-color User- Defined LEDs	Associated with the three custom-configured user buttons. The top two LEDs can be either yellow or red. The bottom LED can be either yellow or green.
Slide-in Labels	Used to describe the functions of the user buttons.
Fire LED	Indicates a fire alarm when flashing and an acknowledged alarm when steady on.
Priority 2 LED	Indicates a Priority 2 condition when flashing and an acknowledged condition when steady on.
Supervisory LED	Indicates a Supervisory condition when flashing and an acknowledged condition when steady on.
Trouble LED	Indicates a Trouble state when flashing and acknowledged Trouble when steady on.
Alarm Silence LED	Indicates an alarm has been silenced when steady on.
Power LED	Indicates AC power is applied to the panel when steady on.
Keyswitch	(Only on the Color Touchscreen LCD Annunciator) Allows interaction with the panel if the key is used.

4 Alarm Conditions

An alarm condition occurs when an initiating device (such as a manual pull station, smoke detector, etc.) activates. The panel indicates the presence of the alarm condition by:

· Flashing the Fire or PRI2 LEDs.
· Displaying messages on the user interface.
· Activating the building's notification appliances (horns and strobes).

4.1   Screen Buttons

Scroll Up   Scroll Down   Return   Accept   Decline

Fig 3: Alarm conditions screen buttons

4.2   Recognizing an Alarm Condition

When an alarm condition occurs, the following events occur at the user interface:

Table 2: Alarm condition events

Fire	PRI2
The **Fire** LED begins to blink	The **PRI2** LED begins to blink
The piezo begins to sound a pulsating tone	The piezo begins to sound a pulsating tone
The user interface displays the **Fire Alarm in System screen**, which shows the list of all the triggered alarms.	The user interface displays the **PRI2 Alarm in System** screen, which shows the list of all the triggered alarms.

Note: A zone groups multiple points together, and the Zone Fire and Zone PRI2 Alarms lists display all the zones where alarm conditions occurred. You can view the points that triggered the alarms within each zone by pressing on any given zone from the list.
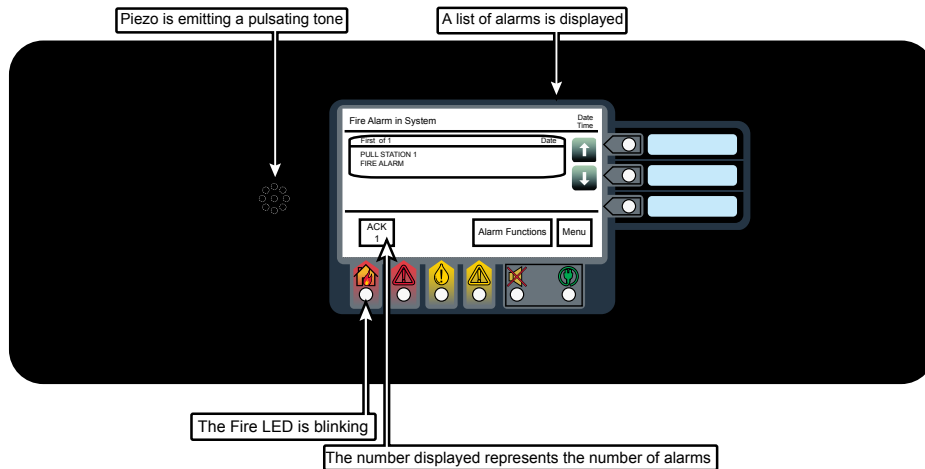
Fig 4: Alarm Condition Screen (Fire Alarm Shown as an Example)

The piezo can be silenced by pressing anywhere on the user interface touchscreen. Until the alarm conditions are acknowledged, it will re-sound after 1 minute of inactivity at the user interface.

4.2.1 Processing Alarms

There are three actions that may be taken when an alarm condition occurs:

1. Acknowledge an Alarm
2. Silence the Alarm
3. Reset the System

Each step is explained in detail in the rest of this section.

4.2.2 Acknowledge an Alarm

Two types of acknowledging modes can be configured on the panel:

Global Acknowledge

All the zones inside the Zone Alarm list are acknowledged at once.

Individual Acknowledge

Each zone inside the Zone Alarm list is acknowledged separately

4.2.3 Global Acknowledge

Tap the **ACK** button.
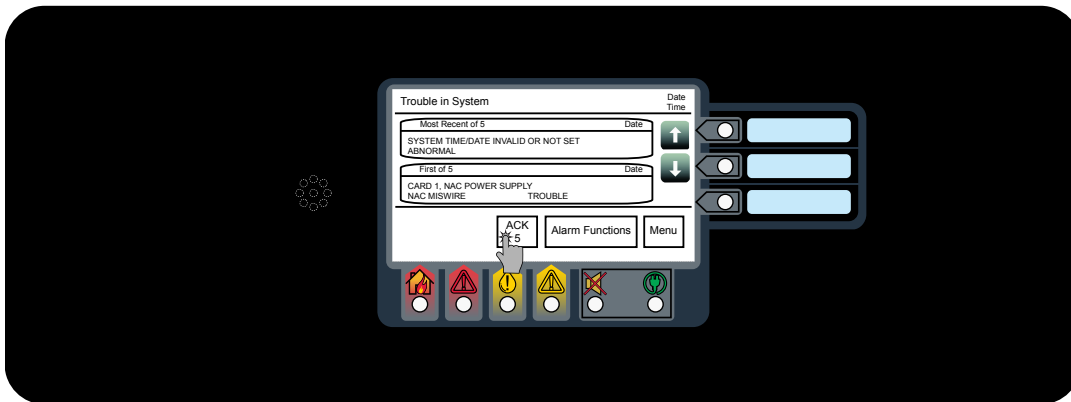
Fig 5: Acknowledge

4.2.4 Individual Acknowledge

Tap the unacknowledged alarm from the Zone Alarm List.
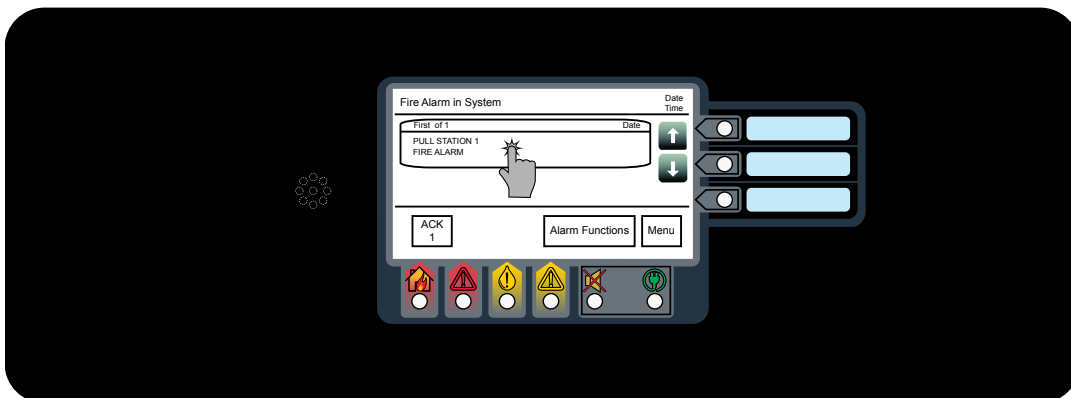
Fig 6: Unacknowledged alarm

Note: The alarms that have not been acknowledged display the text **Press to acknowledge** on the top right of the button.

4.2.5 Silence the Alarm

Silencing an alarm turns off all the audible notification appliances that are programmed to turn off when it is pressed.

1. Tap the **Alarm Functions** button.
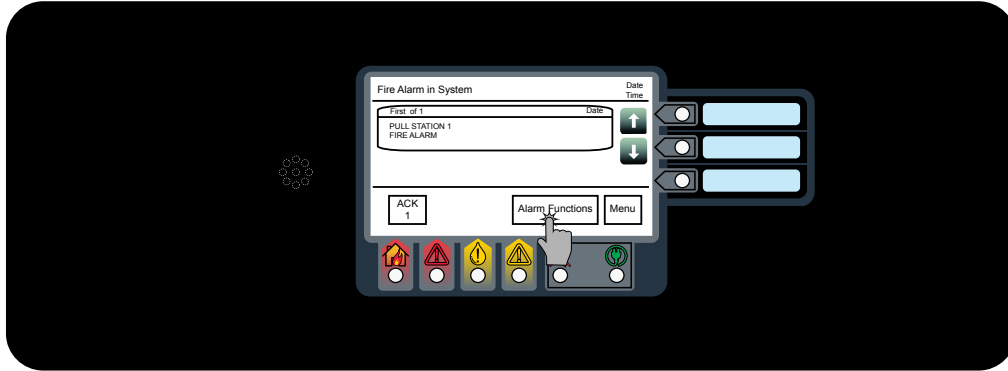
Fig 7: Alarm functions button

2. Press the **Alarm Silence** button.
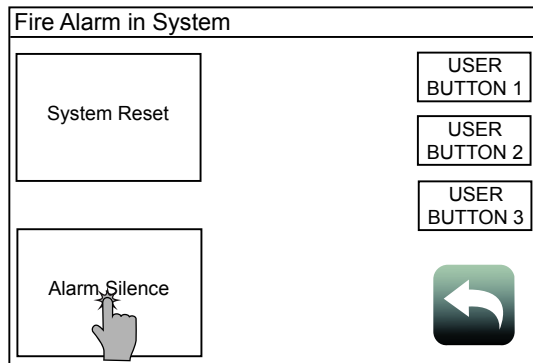
Fig 8: Alarm Silence button

3. Confirm the selection.
    WARNING: Ensure the evacuation of the building is completed prior to silencing the alarm.
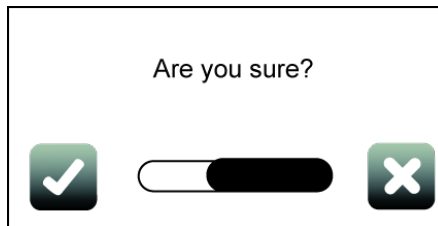
Fig 9: Confirming selection

4.2.6 Reset the System

Resetting the system allows it to return to a normal state after alarm activation.

IMPORTANT: Reset the system only after the source of the alarm is determined and dealt with.

1. Tap the **Alarm Functions** button.
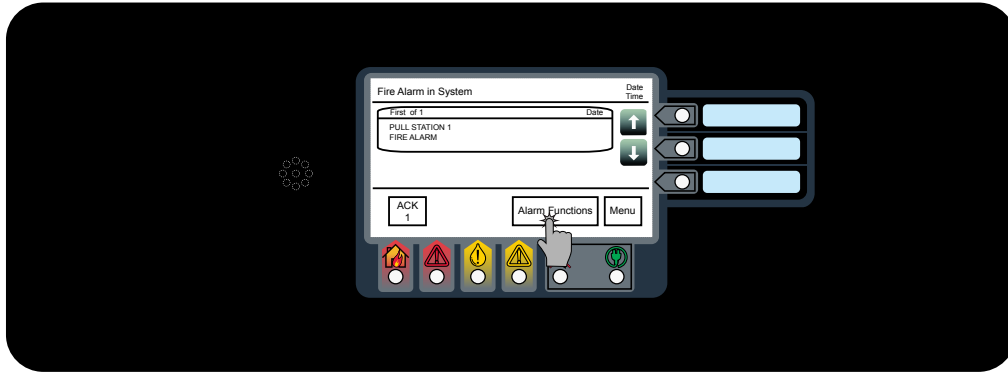
Fig 10: Alarm functions button

2. Tap the **System Reset** button.
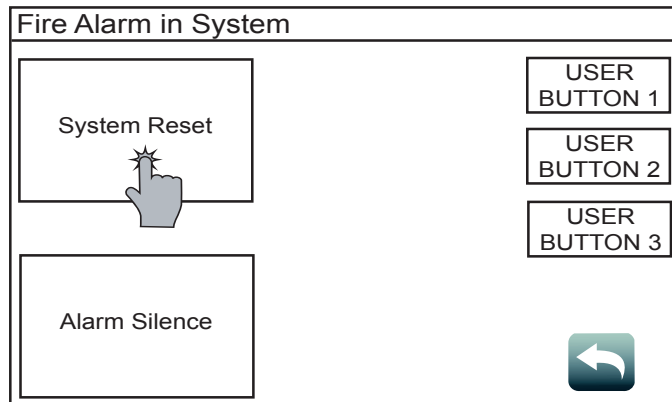
Fig 11: System reset

3. Confirm the selection.
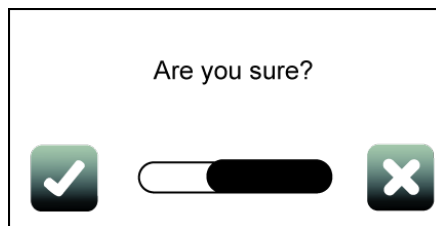
Fig 12: Confirm

Note:

1. If a zone or device has reset successfully, the user interface returns to its normal display.
2. If a zone or device remains in alarm when you reset the system, the system reset aborts. A message confirming the abort displays on the user interface.

4.2.7 Viewing the Alarm Condition Details

Each alarm condition contains detailed information on the point (or points) that have triggered it. To access that info:

1. Tap on a desired alarm condition from the **Fire Alarm in System** screen. That alarm condition can either be a point or a zone containing a variety of points. A point in alarm is shown as an example.
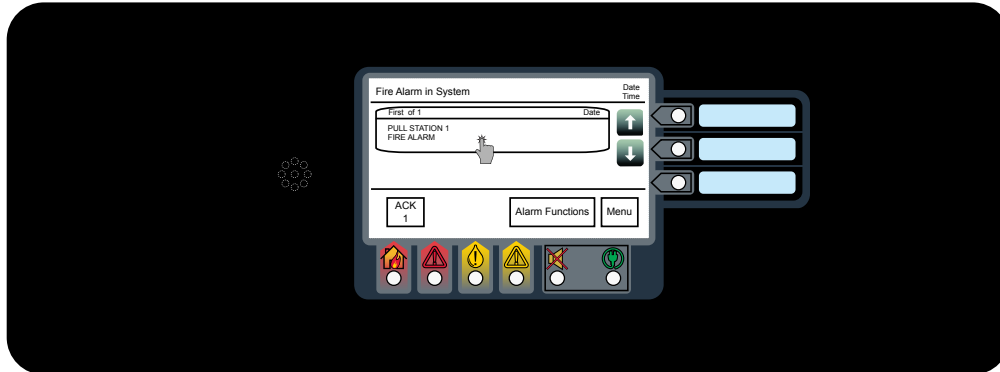
Fig 13: Viewing the Alarm condition

2. Take the necessary actions, using the buttons available at the point details screen. A pull station point is shown as an example here.

Fig 14: Point details screen

5 Supervisory and Trouble Conditions

A Supervisory condition indicates a problem with the building's automatic sprinkler system or some other system used for the protection of life and property.

A Trouble condition indicates the presence of a circuit break, or a ground, within a system point, or somewhere between the FACP and one of its points. It can also be used to indicate a failure in the system that requires attention.

The panel indicates the presence of a Supervisory ⚠ or Trouble ⚠ condition by:
- Displaying messages on the user interface.
- Flashing the Supervisory or Trouble LEDs.

5.1   Supervisory and Trouble Screen Buttons

Scroll Up   Scroll Down   Return   Accept   Decline

Fig 15: Screen buttons for
Supervisory or trouble conditions

5.2   Recognizing a Supervisory and a Trouble Condition

When a Supervisory or Trouble event occurs, the following events occur at the user interface:

Table 3: Supervisory or Trouble condition events

Supervisory	Trouble
The **Supervisory** LED begins to blink.	The **Trouble** LED begins to blink.
The piezo begins to sound a continuous tone.	The piezo begins to sound a continuous tone.
The user interface displays the **Supervisory in System** screen, which shows the list of all the Supervisory conditions.	The user interface displays the **Trouble in System** screen, which shows the list of all the Troubles.

The piezo can be silenced by pressing anywhere on the user interface touchscreen. Until the Trouble and Supervisory conditions are acknowledged, it re-sounds after 1 minute of inactivity at the user interface.
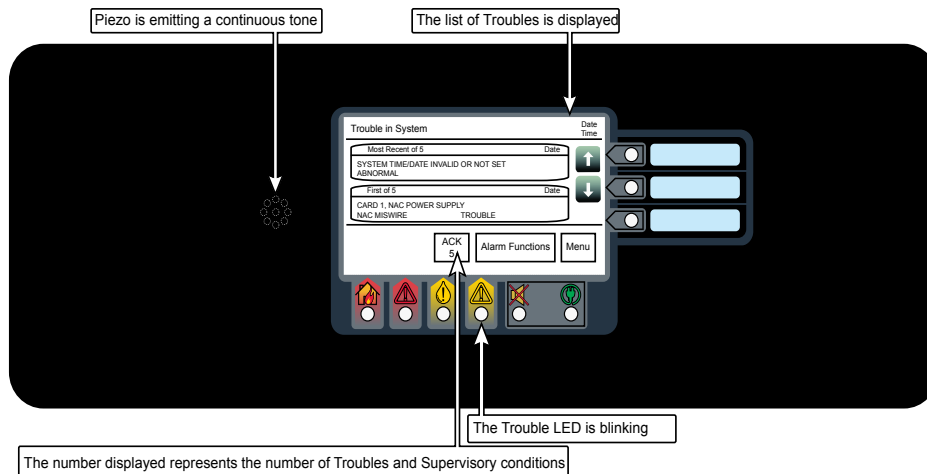
Fig 16: Supervisory or Trouble Condition Screen (Trouble Condition shown as an example)

Note: A zone groups multiple points together and the Zone Supervisory or Zone Trouble list displays all the zones where Trouble or Supervisory conditions occurred.

5.3   Processing Supervisory and Trouble Conditions

When a Supervisory or a Trouble event occurs, it needs to be acknowledged and the cause of the event resolved for the system to return to normal. Two types of acknowledging modes can be configured on the panel.

- **Global Acknowledge**: All the zones inside the Zone Supervisory or Zone Trouble lists are acknowledged at once.
- **Individual Acknowledge**: Each zone inside the Zone Alarm List are acknowledged separately.

5.4   Global Acknowledge

Tap the **ACK** button.
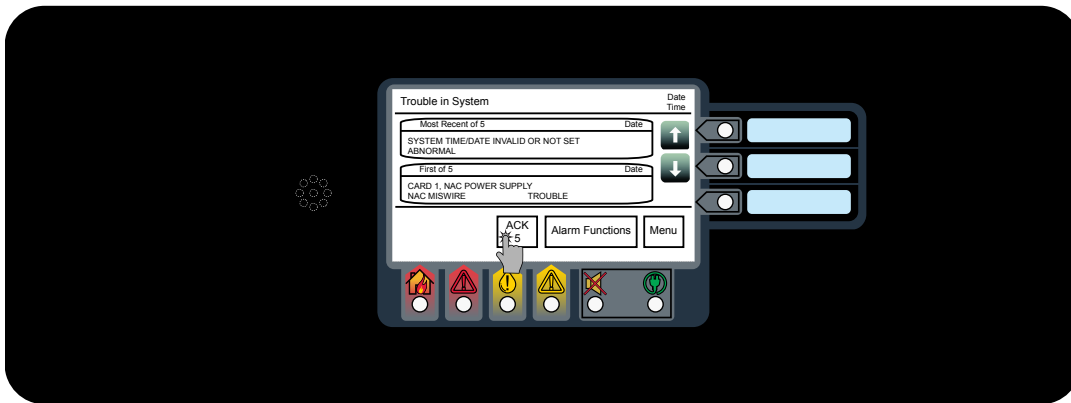
Fig 17: Acknowledge

5.5   Individual Acknowledge

Tap the unacknowledged Trouble from the events list.
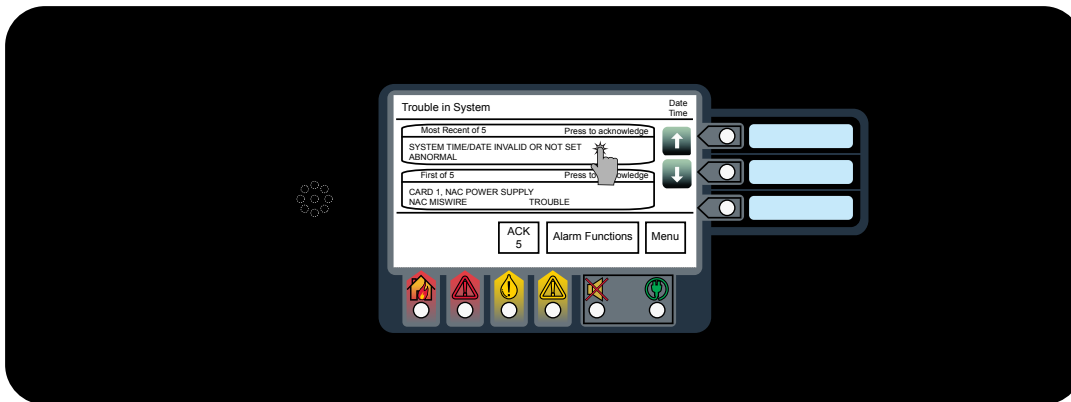
Fig 18: Unacknowledged Trouble

Note: The Troubles that have not been acknowledged display the text **Press to acknowledge** on the top right of the button.

5.6 Viewing the Supervisory and Trouble Conditions Details

Each Supervisory or Trouble condition contains detailed information on the point (or points) that have triggered it. To access that info (Trouble screen is shown as an example):

Tap on a desired Trouble condition from the **Trouble in System** screen. That Trouble condition can either be a point or a zone containing a variety of points. A point in Trouble state is shown as an example.
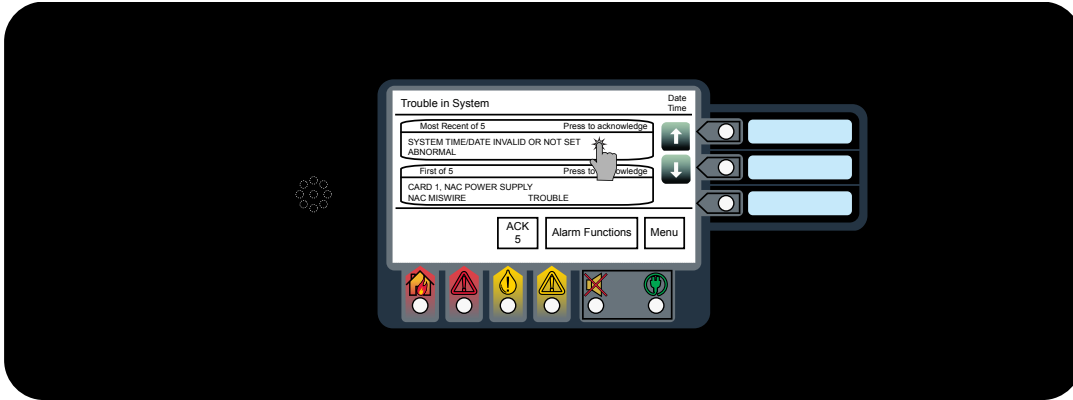

Fig 19: Trouble condition

Take the necessary actions, using the buttons available at the point details screen. A Time and Date Trouble is used as an example.
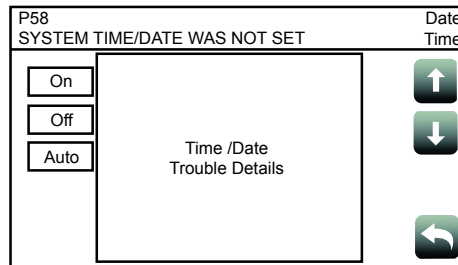
Fig 20: Time and Date Trouble example

6 Main Menu

The **Main Menu** screen displays the functions available at the panel and can be accessed by:
- Tapping anywhere on the touchscreen to remove the screensaver image.
- Tapping the **Menu** button on the user interface if the user interface is in use.

6.1 Main Menu Screen Buttons

Fig 21: Main Menu screen buttons

Note: * User Buttons can be assigned to custom panel functions. Each function can be assigned to a task, such as Manual evacuation or City Disconnect. User buttons that have not been assigned a function do not appear on the user interface.
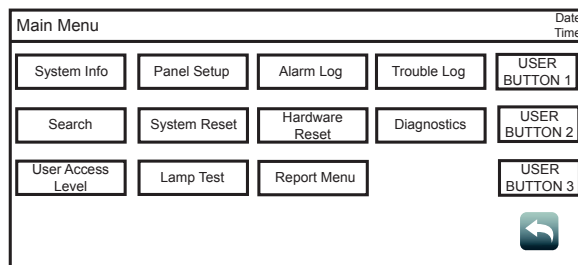
Fig 22: Main Menu screen

Table 4: Description of Main Menu icons

Main Menu Icons	Description
System Info	Use the **System Info** function to obtain detailed information regarding the panel and its components.
Panel Setup	Use the **Panel Setup** function to modify the configuration of the basic components.
Alarm Log	The **Alarm Log** screen contains the list of alarms that the panel has received.
Trouble Log	The **Trouble Log** screen contains the list of Troubles that the panel has received.
Search	Use the **Search** screen to look for any configured point on the system controlled by the panel.
System Reset	Tap the **System Reset** button to reset all devices in alarm and clear all acknowledged Alarms, Troubles and Supervisory conditions.
Hardware Reset	Tap the **Hardware Reset** button to re-initialize the state of certain hardware components. A hardware reset is typically used to reset Class A Troubles after the problem causing the Trouble is resolved.
Diagnostics	Use the **Diagnostics** function to run tests on the panel and the connected devices.
User Access Level	Tap the **User Access Level** button to access the login screen. From this screen, the user can log into the panel with a desired access level, or log out of the access level that he is currently in.
Lamp Test	Tap the **Lamp Test** button to light all 9 LEDs on the front panel for 5 seconds. The three dual-colored LEDs blink alternately. The touch screen alternates between red, green and blue.
Report Menu	Tap the **Report Menu** button to generate various types of reports on the system points.

7 User Access Level

Tap the **User Access Level** button to access the login screen, where the user can log in to the panel with a desired access level, or log out of the current access level.

Note:

1. Four access levels can be used to log in to the panel, with the lowest, User Access Level 1, being the default.
2. Only some functions are available at each access level. Figure 25 shows functions with associated default user access levels.
3. The ES Panel Programmer can be used to modify default user access levels for each function, or set user access level passcodes. Refer to document 579-1167AC: *4007ES Panel Programmer's Manual* for more details.

Fig 23: User access screen buttons
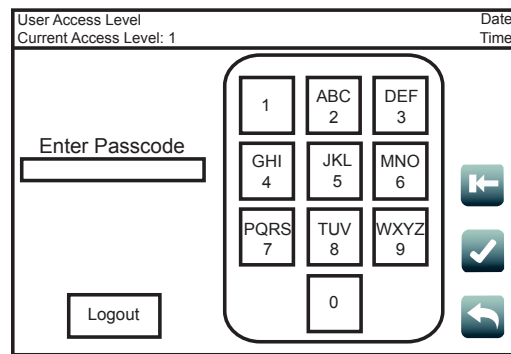
Fig 24: User Access Level Screen

Log Out
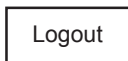
Tap the **Log Out** button to log out of the current user access level. Once logged out, the user is returned to Access Level 1.

User Access Level Chart

Main Menu
1

Alarm Log
1
Clear
3

Trouble Log
1
Clear
3

Search
1

System Reset
1

Hardware Reset
2

User Access
Level
1

Lamp Test
1

Log Menu
1
Select Item
1

User Buttons 1,2 3
***

System Info
1

Card
Revisions
1

Software
Revisions
1

Panel Serial
Number
1

Card Status
1

Panel Setup
2

Swap Config
2
Show Alternate
Config Version
2
Use Alternate
Config
2

Set Time/Date
2

Touchscreen
Calibration
2
Calibrate
2
Clear
2

Mass Storage
1
System
Upgrade
1
Job
Backup
1
Save
Reports
1
Upgrade
Status
1
SnapShot
Recovery
1
Eject USB
1

HW Reset
2

Restart
4

Walktest
3
Next Group
3
Prev Group
3
Select Item
3

Piezo Silence
3
Off
3
On
3

Cfig Download
3
Enable
3
Enable All
3
Disable
3
Revert
3

Earth Fault Search
3
Location
3
IDNet
3
Last Result
3

Diagnostics
2

Earth Fault Latch
2
Off
3
On
3
ViewRaw
2

NAC Miswire Test
3
All
3
Single
3

Duplicate Device Search
3
Off
3
On
3

Weak Answer Search
3
Off
3
On
3

TrueAlert Test
3

TrueAlert ES
Self-Test?
3
Run Self-Test?
3
View Test Results?
3
View Last Test Results?
3
View All Test Results?
3

TrueAlert Device LEDs Test?
3
Off
3
On
3

TrueAlert Device Test Mode?
3
Off
3
On
3

TrueAlert Silent Test Mode?
3
Off
3
On
3

TrueAlert NAC Test
3
All
3
Single
3

CO Algorithms
3
Off
3
On
3

Install Mode
2
IViewMod
2
IAddMiss
3
IAddOpens
3
IRemvNorm
3
IRemvAll
3

NetDiag
4

Report Menu
1

AlarmLog
1

TroubleLog
1

TrueAlarm
Status
1

TrueAlarm
Service
1

TrueAlert
NAC Test
1

TrueAlert Status
1
ALL
1
LAST
1

TrueAlarm CO
1

Active List
1
PrtInstal
1

Verification Tally
1

TrueAlert
Self-Test
1
LAST
1
ALL
1

Main Menu
1
→ Function Name
→ Default Access Level

*** = Default Access Level Configured with the ES Panel Programmer

Fig 25: User Access Level Chart

8 System Info

Use the **System Info** function to obtain detailed information regarding the panel and its components. Tap on a menu icon to access that option's main screen. Refer to User Access Level on page 15 for access levels required to use each option inside the **System Info** screen.

8.1 System Info Screen Buttons

Fig 26: System info screen buttons
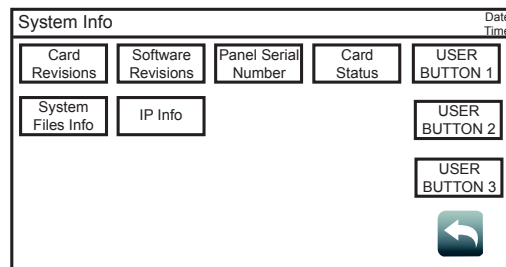
Fig 27: System info screen

8.1.1 Card Revisions
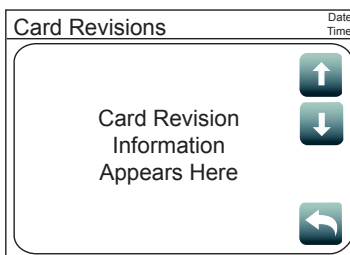
Tap the **Card Revisions** button to see a list of all the cards (modules) installed in the panel.

8.1.2 Software Revisions
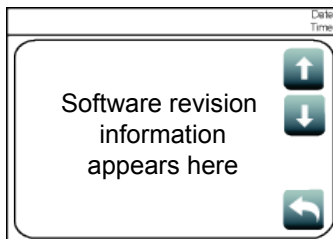
Tap the **Software Revisions** button to see the latest master revisions loaded on the panel.

8.1.3 Panel Serial Number

Panel Serial Number	Date Time
Serial Number Appears Here	↑ ↓ ↩
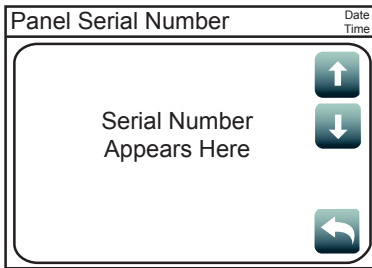
Tap the **Serial Number** button to see the serial number of the panel.

8.1.4 Card Status

Select Card for Status	Date Time
Card Status Appears Here	↑ ↓ ✔ ↩
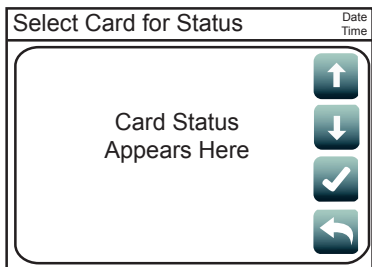
Tap the **Card Status** button to see the status of the different cards installed in the panel.

8.1.5 System Files Info

System Files Info	Date Time
BOOTLOADER REV: 1.01.00.03	↑
KERNEL REV: 1.01.00.10	↓
FILESYSTEM REV: 1.01.01.15	
PANELUI: 1.01.02.16	↩
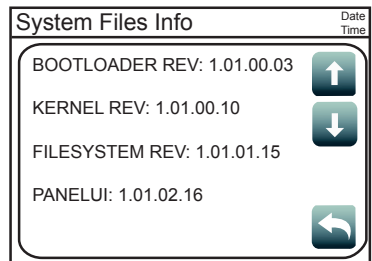
Tap the **System Files Info** button to see the latest master revisions loaded on the Remote Annunciator.

8.1.6 IP Info

IP Info	Date Time
IP ADDRESS: 192.168.1.150	↑
HARDWARE ADDRESS: 00:08:bd:01:dc:43	↓
	↩
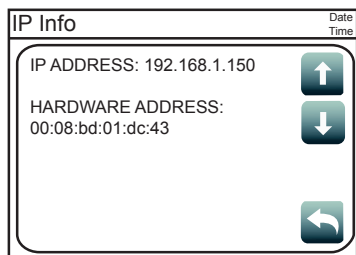
Tap the **IP Info** button to see the IP and the MAC address of the 4007ES panel.

9 Panel Setup

Use the Panel Setup function to modify the configuration of the basic panel components.

Tap on a menu icon to access that option's main screen. Refer to User Access Level on page 15 for access levels required to use each option inside the **Panel Setup** screen.

9.1 Panel Setup Screen Buttons

Scroll up   Scroll down   Accept   Return

Fig 28: Panel setup buttons
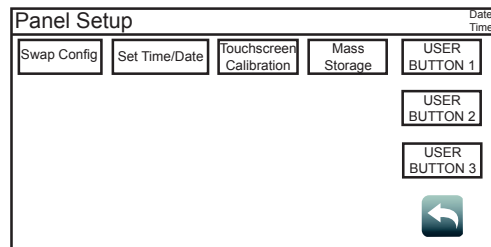
Fig 29: Panel Setup screen

9.1.1 Swap Config
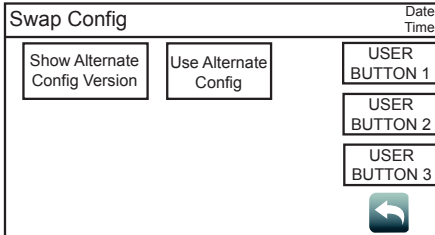
Tap the **Swap Config** button to access the following functions. These functions allow roll back to the previous versions of the panel firmware.

- **Show Alternate Config Version**: Tap this button to display the previous version of the panel firmware.
- **Use Alternate Config Version**: Tap this button to install the previous version of the panel firmware.

9.1.2 Set Time/Date
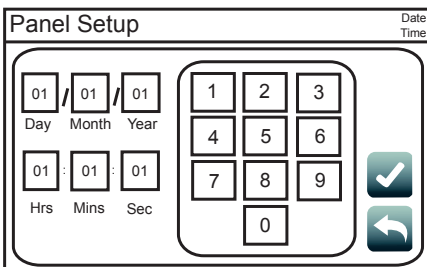
Tap the **Set Time/Date** button to access the screen where the date and time displayed at the panel can be updated:

1. Press the button that corresponds to either day, month, year, hour, minute or second.
2. Enter a new value using the touchscreen keypad.
3. Repeat steps 1 and 2 for the date and time values that remain.
4. Press the **Accept** button for the new date and time to take effect immediately.

9.1.3 Touchscreen Calibration
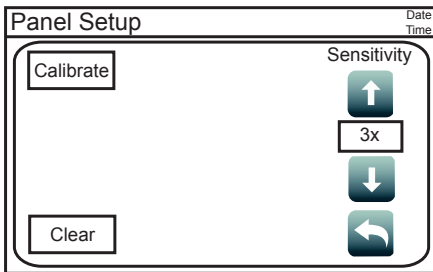
Tap the **Touchscreen Calibration** button to access the calibration screen and adjust the sensitivity of the user interface touchscreen. Follow these steps to adjust:

1. Increase or decrease the touchscreen sensitivity by using the **Scroll Up** and **Scroll Down** buttons.
2. Tap the **Calibrate** button and then tap the "+" signs that appear to adjust the precision of the touchscreen pressure sensors.
3. Return to the **System Menu** screen.

9.1.4 Mass Storage
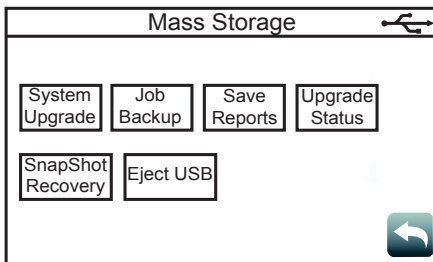
Tap the **Mass Storage** button to access the functions listed below. The USB key must be inserted in the USB Port slot of the 4007 CPU Card for the **Mass Storage** button to work.

- **Job Backup**: Tap this button to save the job currently loaded on the panel to the USB key.
- **Save Reports**: Tap this button to save reports to the USB key.
- **Upgrade Status**: Tap this button to see the progress of the software upgrades.
- **SnapShot Recovery**: Tap this button before doing a system upgrade to copy the software types currently loaded on the panel to the USB key.

  To upload these software types back on the panel, re-insert the USB key in the USB Port of the 4007 CPU Card and tap the **SnapShot Recovery** button.
- **Eject USB**: Tap this button to safely remove the USB from the panel.

9.1.5 System Upgrade
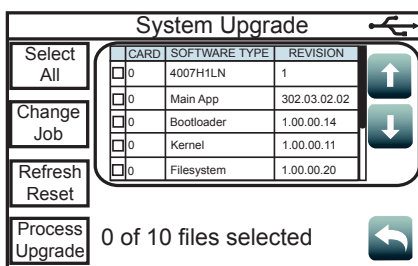
With a USB thumb drive inserted, tap the **System Upgrade** button to open the **System Upgrade** screen which contains a list of all the panel software types and their current revisions. The software type in bold and colored green indicates that its more recent version can be loaded on the panel.

Note: The System Upgrade screen is launched by default when the USB key is inserted in the USB Port of the 4007 CPU Card.

- Use the **Select All** button to select all of the software types listed in the table.
- Use the **Change Job** button to load a new job on the panel.
- Use the **Refresh Reset** button to refresh the software type list.
- Use the **Process Upgrade** button to proceed with the change.

10 Alarm Log

The **Alarm Log** screen contains a list of alarms that the panel has received. Refer to Figure 25 for access levels required for each option inside the **Alarm Log** screen.

10.1 Alarm Log Screen Buttons

Fig 30: Alarm Log buttons
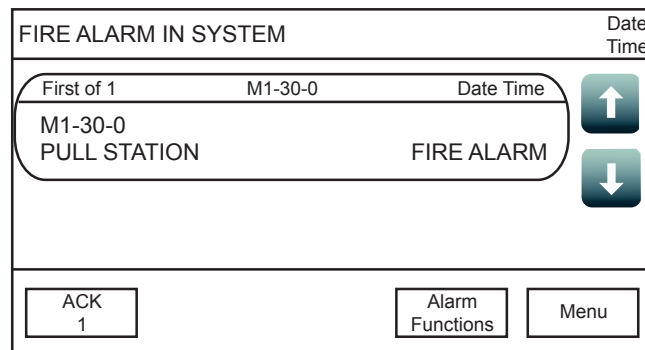
Fig 31: Alarm Log Screen

10.1.1 Clear
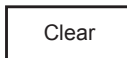
Tap the **Clear** button to erase all entries in the **Alarm Logs** screen.
IMPORTANT: Use the Clear button only after the alarms have been investigated.

11 Trouble Log

The **Trouble Log** screen contains a list of Troubles that the panel has received. Refer to User Access Level on page 15 for access levels required for each option inside the **Trouble Log** screen.

11.1   Trouble Log Screen Buttons

Scroll Up   Scroll down   Return
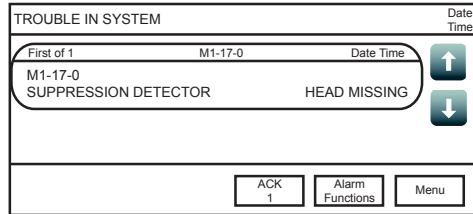
Fig 32: Trouble Log Screen

11.1.1 Clear
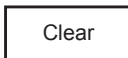
Clear	Tap the **Clear** button to erase all entries in the Trouble Logs screen.
	IMPORTANT: Use the Clear button only after the Troubles have been investigated.

12 Search

Use the **Search** screen to look for configured points under panel control. Refer to User Access Level on page 15 for access levels required for each option inside the **Search** screen.

12.1   Search Screen Buttons

Scroll Up   Scroll down   Accept   Return   Erase
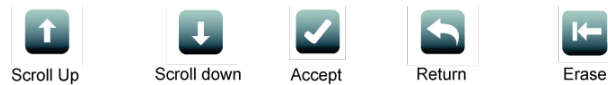
Fig 33: Search Screen Buttons
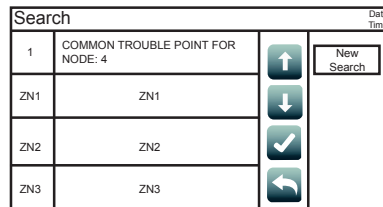
Fig 34: Search screen

12.1.1 New Search: Search for a Specific Point

The point search keypad opens automatically when the **Search** screen is accessed or by pressing the **New Search** button.
1.   Select the desired point type. For example, to select an IDNet point, press on the **IDNet** button.
2.   Select the desired point number. For example, to select an IDNet point M1-1-0, enter "1-1-0".
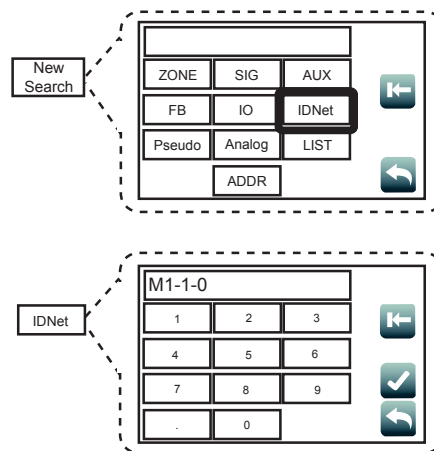
Fig 35: Search screen

> **Note:** Point numbers are first generated when the ES Panel Programmer is used to program points into the panel.
3.   Tap the **Accept** button to execute the search. Tap the **Erase** button to erase the last character entered. Use the **Return** button to return to the **Search** screen.

12.1.2 New Search: Browse the List of Configured Points

1.   If opened, close the keypad by pressing anywhere outside the keypad. You will see a list of all the points configured on the network.
2.   Use the **Scroll Up** and **Scroll Down** buttons to navigate the list, the **Accept** button to get more details on a point, and the **Return** button to return to the **System Menu** screen.

13 Diagnostics

Use the Diagnostics function to run tests on the panel and the devices. Refer to User Access Level on page 15 for access levels required for each option inside the **Diagnostics** screen.

13.1 Diagnostic Screen Buttons

Fig 36: Diagnostic screen buttons
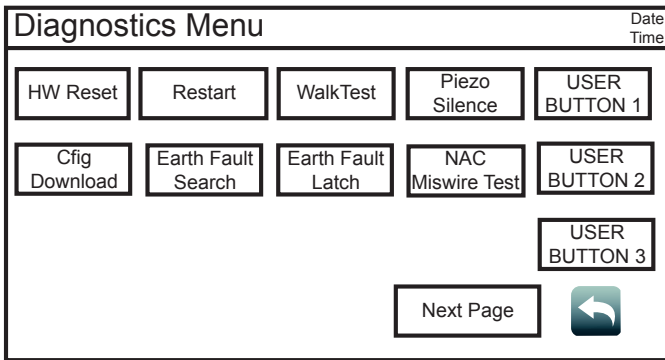
Fig 37: Diagnostic screen 1
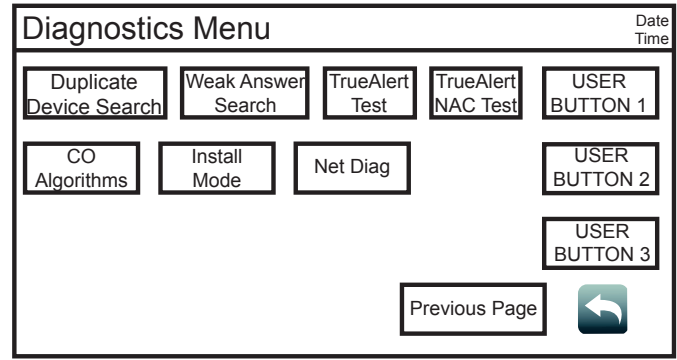
Fig 38: Diagnostic screen 2

13.2 HW Reset

Tap the **Hardware Reset** button to re-initialize the state of certain hardware components. A hardware reset is typically used to reset a Class A Trouble after the problem causing the Trouble is resolved.

Note: If you attempt to perform a hardware reset without first fixing the problem causing the Trouble, the hardware reset fails and the Trouble re-appears.

13.3 Restart
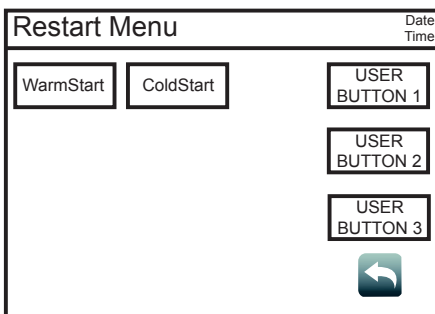
Tap the **Restart** button to restart the panel by Warm Start or Cold Start.
- **Warm Start** preserves the logs and the disabled status of any points that are in disabled state.
- **Cold Start** clears all history logs and re-enables any points that were previously disabled.

13.4   WalkTest

```
WalkTest Settings                    Date
                                     Time
 ┌──────┐   ┌─────────────────┐   ┌───┐
 │ Next │   │                 │   │ ↑ │
 │ Group│   │  Walktest Group │   └───┘
 └──────┘   │   Information   │   ┌───┐
 ┌──────┐   │                 │   │ ↓ │
 │ Prev │   │                 │   └───┘
 │ Group│   │                 │
 └──────┘   │                 │
            │                 │   ┌───┐
 ┌──────────┐                 │   │ ↩ │
 │Select Item│                │   └───┘
 └──────────┘└───────────────┘
```
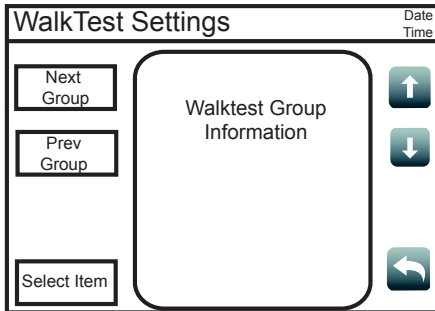
Tap the **WalkTest**button to open the **WalkTest**screen, which contains Walktest groups configured by technicians for use during maintenance testing. The following functions are available:

- Tap the **Next Group** button to select the next WalkTest group.
- Tap the **Prev Group** button to select the previous WalkTest group.
- With an item in the WalkTest group selected, tap the **Select Item** button to open a new screen where information and additional functions for that item are available.

13.5   Piezo Silence

```
Piezo Silence Menu
 ┌──────┐  ┌──────┐      ┌────────┐
 │ Off  │  │  On  │      │  USER  │
 └──────┘  └──────┘      │BUTTON 1│
                         └────────┘
                         ┌────────┐
                         │  USER  │
                         │BUTTON 2│
                         └────────┘
                         ┌────────┐
                         │  USER  │
                         │BUTTON 3│
                         └────────┘
                         ┌───┐
                         │ ↩ │
                         └───┘
```
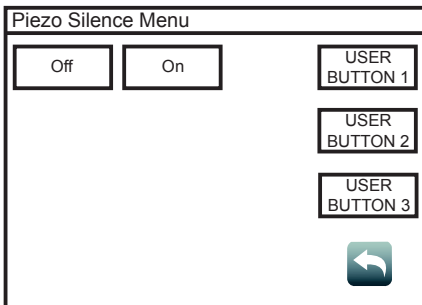
Tap the **Piezo Silence** button to access the **Piezo Silence Menu** screen, where the **On** or **Off** buttons can be used to control the piezos at the panel and turn the Remote Annunciator's piezo on or off.

13.6   Cfig Download

```
Configuration Menu                   Date
                                     Time
 ┌──────┐┌────────┐┌───────┐┌──────┐┌────────┐
 │Enable││Enable All││Disable││Revert││  USER  │
 └──────┘└────────┘└───────┘└──────┘│BUTTON 1│
                                    └────────┘
                                    ┌────────┐
                                    │  USER  │
                                    │BUTTON 2│
                                    └────────┘
                                    ┌────────┐
                                    │  USER  │
                                    │BUTTON 3│
                                    └────────┘
                                    ┌───┐
                                    │ ↩ │
                                    └───┘
```
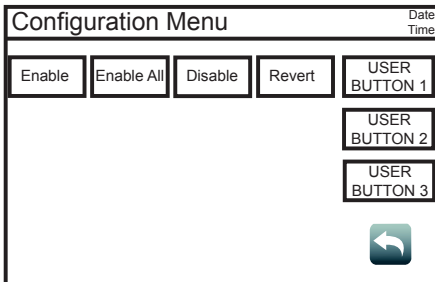
Tap the **Cfig Download** button to access the **Configuration Menu** screen. Inside, the following functions are available:

1. Tap the **Enable** button to allow a job download to a remote panel.
2. Tap the **Enable All** button to allow a job download to all the remote panels.
3. Tap the **Disable** button to disable the option of a job download to a remote panel.
4. Tap the **Revert** button to access the following functions:
   a.   Tap the **Alt Cfig** button to see the details of the last job used by the panel.
   b.   Tap the **Swap** button to swap the current job for the one used by the panel last.
   c.   Tap the **NoSwap** button to move back to the **Configuration Menu** screen.

13.7   Earth Fault Search

```
┌─────────────────────────────────────────┐
│ Earth Fault Search?              Date     │
│                                  Time     │
│ ┌────────┐ ┌──────┐ ┌──────────┐ ┌──────┐│
│ │Location│ │IDNet │ │LastResult│ │USER  ││
│ └────────┘ └──────┘ └──────────┘ │BUTTON 1│
│                                  └──────┘ │
│                                  ┌──────┐ │
│                                  │USER  │ │
│                                  │BUTTON 2│
│                                  └──────┘ │
│                                  ┌──────┐ │
│                                  │USER  │ │
│                                  │BUTTON 3│
│                                  └──────┘ │
│                                  ┌──────┐ │
│                                  │  ↩   │ │
│                                  └──────┘ │
└─────────────────────────────────────────┘
```
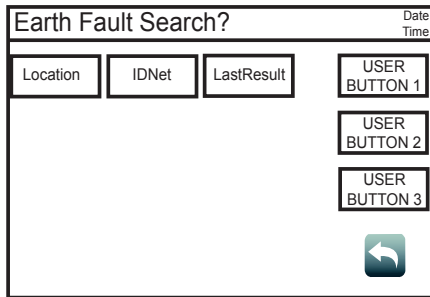
Tap the **Earth Fault Search** button to access the **Earth Fault Search?** screen, which can be used to test for earth faults in the circuit. The following functions are available:

- Press the **Location** button to display a list of cards that can be tested for earth faults.
- Press the **IDNet** button to display a list of IDNet channels that can be tested for earth faults.
- Press the **LastResults** button to view the results of the last earth fault test.

13.8   Earth Fault Latch

```
┌─────────────────────────────────────────┐
│ Earth Latch Menu                 Date     │
│                                  Time     │
│ ┌──────┐ ┌──────┐ ┌────────┐ ┌──────┐    │
│ │ Off  │ │  On  │ │ViewRaw │ │USER  │    │
│ └──────┘ └──────┘ └────────┘ │BUTTON 1│  │
│                              └──────┘    │
│                              ┌──────┐    │
│                              │USER  │    │
│                              │BUTTON 2│  │
│                              └──────┘    │
│                              ┌──────┐    │
│                              │USER  │    │
│                              │BUTTON 3│  │
│                              └──────┘    │
│                              ┌──────┐    │
│                              │  ↩   │    │
│                              └──────┘    │
└─────────────────────────────────────────┘
```
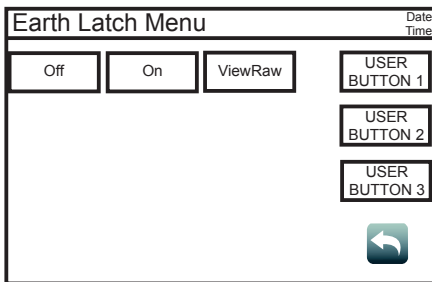
Tap the **Earth Fault Latch** button to access the **Earth Latch Menu** screen, which can be used to latch intermittent earth fault Troubles to the panel. This allows the panel to consistently display a Trouble instead of each time it re-occurs. The following functions are available:

- Tap the **Off** button to disable the Earth Latch function.
- Tap the **On** button to enable the Earth Latch function.
    Tap the **ViewRaw** button to view the locations of the raw earth faults.

13.9   NAC Miswire Test

```
┌─────────────────────────────────────────┐
│ TrueAlert NAC Test Menu          Date     │
│                                  Time     │
│ ┌──────┐ ┌────────┐          ┌──────┐    │
│ │ All  │ │ Single │          │USER  │    │
│ └──────┘ └────────┘          │BUTTON 1│  │
│                              └──────┘    │
│                              ┌──────┐    │
│                              │USER  │    │
│                              │BUTTON 2│  │
│                              └──────┘    │
│                              ┌──────┐    │
│                              │USER  │    │
│                              │BUTTON 3│  │
│                              └──────┘    │
│                              ┌──────┐    │
│                              │  ↩   │    │
│                              └──────┘    │
└─────────────────────────────────────────┘
```
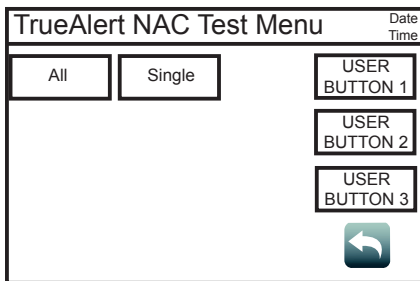
Tap the **NAC Miswire Test** button to access the **NAC Test Menu** screen, which can be used to perform a wiring test on the Notifications Appliance Circuits (NAC). The following functions are available:

- Tap the **All** button to test all the NACs at once.
- Tap the **Single** button to test each NAC separately.

13.10 Duplicate Device Search

```
Duplicate Dev Menu          Date
                            Time
  ┌──────┐  ┌──────┐    ┌──────────┐
  │ Off  │  │  On  │    │  USER    │
  └──────┘  └──────┘    │ BUTTON 1 │
                        └──────────┘
                        ┌──────────┐
                        │  USER    │
                        │ BUTTON 2 │
                        └──────────┘
                        ┌──────────┐
                        │  USER    │
                        │ BUTTON 3 │
                        └──────────┘
                          ↶
```
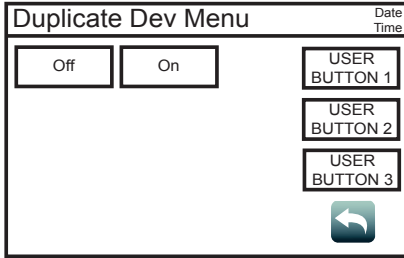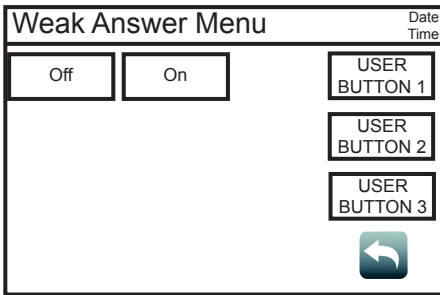
Tap the **Duplicate Device Search** button to access the **Duplicate Dev Menu** screen, where **On** or **Off** buttons can be used to turn the detection of duplicate devices on IDNet channels on or off.
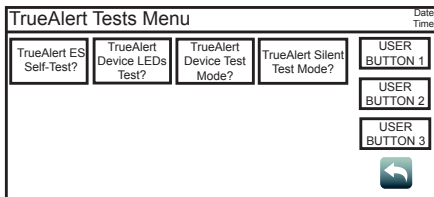
13.11 Weak Answer Search

```
Weak Answer Menu            Date
                            Time
  ┌──────┐  ┌──────┐    ┌──────────┐
  │ Off  │  │  On  │    │  USER    │
  └──────┘  └──────┘    │ BUTTON 1 │
                        └──────────┘
                        ┌──────────┐
                        │  USER    │
                        │ BUTTON 2 │
                        └──────────┘
                        ┌──────────┐
                        │  USER    │
                        │ BUTTON 3 │
                        └──────────┘
                          ↶
```

Tap the **Weak Answer Search** button to access the **Weak Answer Menu** screen, where the **On** or **Off** buttons can be used to turn the detection of weak answering devices on IDNet channels on or off.

13.12 TrueAlert Test

Tap the **TrueAlert Test** button to access the **TrueAlert Tests Menu** screen, where tests for TrueAlert addressable notification appliances can be performed. The following functions are available:

```
TrueAlert Tests Menu                      Date
                                          Time
┌────────┬────────┬────────┬────────┐  ┌──────────┐
│TrueAlert│TrueAlert│TrueAlert│TrueAlert│  │  USER    │
│ES      │Device  │Device  │Silent  │  │ BUTTON 1 │
│Self-Test?│LEDs   │Test    │Test    │  └──────────┘
│        │Test?   │Mode?   │Mode?   │  ┌──────────┐
└────────┴────────┴────────┴────────┘  │  USER    │
                                       │ BUTTON 2 │
                                       └──────────┘
                                       ┌──────────┐
                                       │  USER    │
                                       │ BUTTON 3 │
                                       └──────────┘
                                         ↶
```

- Tap the **TrueAlert ES Self-Test?** button, and then use the **Run Self-Test?** button to run Self-Test, or use the **View Test Results?** button to view the results for TrueAlert appliances.
- Tap the **TrueAlert Device LEDs Test?** button, and then use the **On** or **Off** buttons to turn the TrueAlert appliance LEDs on or off.
- Tap on the **TrueAlert Device Test Mode?** button, and then use the **On** or **Off** buttons to place the TrueAlert appliances in or out of Test Mode.
- Tap the **TrueAlert Silent Test Mode?** button, and then use the **On** or **Off** buttons to choose whether you want to place the TrueAlert appliances in Silent Test Mode or not. In Silent Test Mode, the device's sounders are disabled.

13.13 TrueAlert NAC Test

Tap the **TrueAlert NAC** button to perform a TrueNAC Voltage Drop Test. This test ensures that A4906 devices are installed properly by determining the line voltage for compatible notification appliances that are connected to a TrueAlert Power Supply (TPS) Signaling Line Circuit (SLC), under worst-case panel operating conditions. After pressing the **TRUENAC** button, the following options are available:

TrueAlert NAC Test Menu — Date/Time

| All | Single |
| USER BUTTON 1 |
| USER BUTTON 2 |
| USER BUTTON 3 |
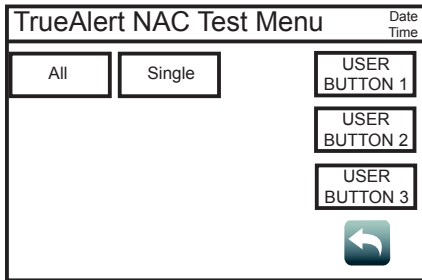
- **All**: Press this button to test all the TPS SLC lines at once. After pressing this button, these options become available:
  - **HornON**: Press this button to set the horns to high volume during the test.
  - **HornOFF**: Press this button for a silent system test.
- **Single**: Press this button to test each TPS SLC line separately.

Note:
- The results of the TrueNAC Voltage Drop Test are displayed on the screen. A Trouble condition is generated for every device that has failed the test.
- If Horns are on, the panel will perform two passes: one with horns on and one with horns off. This is done to enhance **the accuracy of A/Vs measurement.**

13.14 CO Algorithms

Tap the **CO Algorithms** button to access the **IDNet CO Algorithms Menu** screen. The following functions are available:

IDNet CO Algorithms Menu — Date/Time

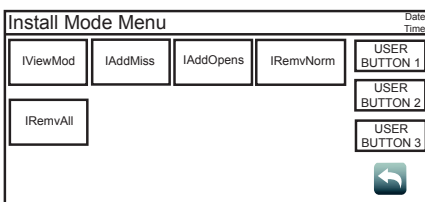| Off | On |
| USER BUTTON 1 |
| USER BUTTON 2 |
| USER BUTTON 3 |
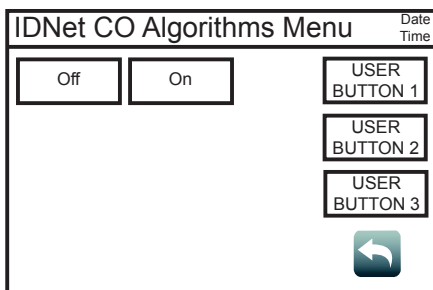
- Tap the **Off** button to disable the IDNet CO Algorithms. This is useful when smoke testing the IDNet CO devices.
- Tap the **On** button to enable the IDNet CO Algorithms.

13.15 Install Mode

Install Mode is a feature that minimizes the number of Troubles that occur when the system is being installed or is undergoing extensive service, by placing points and cards that can cause Troubles in Install Mode during those times. Install Mode raises a single "INSTALL MODE ACTIVE" Trouble, regardless of the number of items in it.

Tap the **Install** button to access the **Install Mode Menu** screen. The following functions are available:

Install Mode Menu — Date/Time

IViewMod	IAddMiss	IAddOpens	IRemvNorm	USER BUTTON 1
IRemvAll				USER BUTTON 2
				USER BUTTON 3

- Tap the **IViewMod** button to view all the items in Install Mode.
- Tap the **IAddMiss** button to add items to Install Mode.
- Tap the **IAddOpens** button to add all open circuits to Install Mode.
- Tap the **IRemvNorm** button to remove an item from Install Mode.
- Tap the **IRemvAll** button to remove all the items from Install Mode.

13.16 NetDiag

Tap the **NetDiag** button to access the **Net Diagnostics Menu** screen, where the following functions for analyzing and gathering network information are available. Navigate to each option by using the and buttons. To select an option, tap the **Select Item** button when it is highlighted.

```
Net Diagnostics Menu                    Date
                                        Time

        Network Diagnostics are not Active
        This node is ONLINE
        Network is Running in style 7

        Diagnostics by Node
        Net Diag Logging
        Network Tallies
        Diag Tbls Missing Node Troubles
        Diagnostic Message options
        Relay Mode
 Select Repeater/Reset for all Nodes
 Item   Current details of network
        Stop ALL Net Diag Functions
```
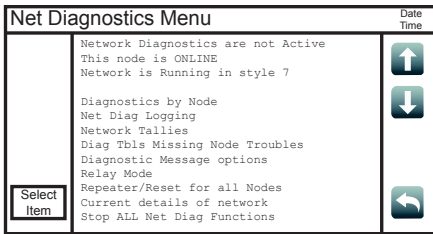
- **Diagnostics by Node**: Use this option to choose a node and display its details.
- **Net Diag Logging**: Use this option to choose which network parameters to log, and where these logs are saved.
- **Network Tallies**: Use this option to choose whether to view or clear network tallies.
- **Diag Tbls Missing Node Troubles**: Use this option to enable or disable missing node Troubles.
- **Diagnostic Message Options**: Use this option to select the node to which diagnostic messages are sent, the message directions, and the number of message retries.
- **Relay Mode**: Use this option to choose whether or not the current node is in Relay Mode.
- **Repeater/Reset for All Nodes**: Use this option to reset/restore nodes, or to put the nodes in Repeater Mode.
- **Current Details of Network**: Use this option to obtain information on the number of nodes configured, communicating and in Repeater Mode, as well as the Monitor node, Left End node, Right End node, and the node's Repeater source. Use this option to also determine the network topology, attendance, and the node IDs.
- **Stop ALL Net Diag Functions**: Use this option to stop all the network diagnostic functions that are currently running.

14 Report Menu

Press the **Report Menu** button to access the **Report Menu** screen, where various types of reports on the system points can be generated. To generate a report:

1. Press the **Report Menu** button from the **Main Menu** screen to open the **Report Menu** screen.
2. A report can either be saved to a USB key or printed. See below for both options:

Table 5: Printing and saving report

Printing a Report	Saving a Report to a USB Key
1. Press the **Options** button and then press **Select** to choose a printer. 2. In the **Report Menu** screen, press a report button to print the report.	1. Insert the USB key inside the USB Port of the 4007ES CPU Card. 2. Press a report button to save the report to the USB key.

Note: Pressing a report button without first inserting a USB key or choosing a printer generates an error message stating that hardware could not be found.

Refer to User Access Level on page 15 for access levels required to use each option inside the **Report Menu** screen.
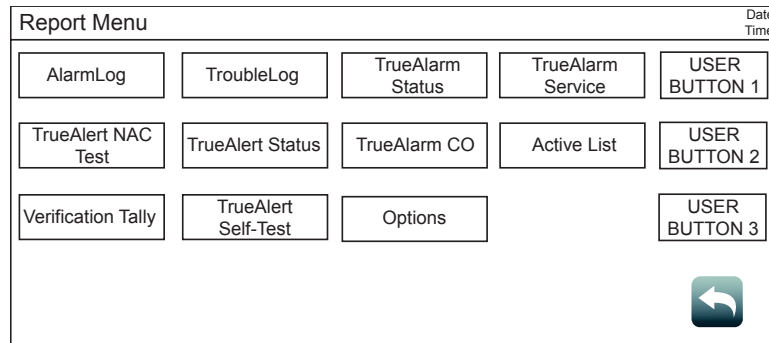
14.1　Screen Buttons

Fig 39: Screen buttons

Fig 40: Report menu screen

Table 6: Report Menu Screen Buttons

Button	Description
Alarm Log	Tap the **AlarmLog** button to generate a report containing the list of alarms that the panel has received.
Trouble Log	Tap the **TroubleLog** button to generate a report containing the list of Troubles that the panel has received.
TrueAlarm Status	Tap the **TrueAlarm Status** button to generate a report containing the status of the various TrueAlarm devices connected to the panel. The report includes the following information: • Device Number • Custom Label • Current Sensitivity of the Point • Point Status: Normal, Trouble, Alarm • Almost Dirty Status: Points that are almost dirty have an asterisk.

Table 6: Report Menu Screen Buttons

Button	Description
TrueAlarm Service	Tap the **TrueAlarm Service** button to generate a report which contains the following information: • Device Number • Custom Label • Alarm Level (sensitivity level of the device) • Average Value • Current Value • Percent of Alarm: Shows the current value for the sensor. Value is shown as a percentage of 100% (alarm). For example, if the value shown is 9%, it means that the sensor is currently at 9% of the value required to trigger an alarm. • Peak Value: Shows the highest value that the sensor has reached. Value is shown as a percentage of 100% (alarm). For example, if the value shown is 9%, it means that the peak value experienced by the sensor was 9% of the value required to trigger an alarm. • Current State: Possible values include Normal, Trouble, Dirty, Excessively Dirty, and Almost Dirty.
TrueAlert NAC Test	Tap the **TrueAlert NAC Test** button to generate a report which contains the following information for each TrueAlert device: • Point ID • Custom Label • Device Type • Candela
TrueAlert Status	The TrueAlert Status Report can be created after the TrueNAC Voltage Drop Test is run. Tap the **TrueAlert Status** button to access the **Print TAlert Status** screen. The **All** button can be used to generate the report containing the status for all devices. The **Last** button can be used to generate a report containing the status of the last test. The report contains the following information: • Point ID • Custom Label • Pass/Fail
TrueAlarm CO	Tap the **TrueAlarm CO** button to generate a report with the following information regarding the TrueAlarm CO devices: • Device Number (on the network) • Custom Label (custom description of the device) • Current Device Value (PPM) • End-of-Life Date • Device Status (Normal, Trouble)
Active List	Tap the **Active List** button to access the **Print Active List** screen, where the **Install Mode** button can be used to generate a report containing the following Install Mode list information: • Point ID • Custom Label • Device Status
Verification Tally	Tap the **Verification Tally** button to generate a report containing the following information for each device supporting the alarm verification: • Device Number • Custom Label • Device Type • Point Type • Tally Count
TrueAlert Self-Test	Tap the **TrueAlert Self-Test** button to access the **Print TA Self-Test** screen to generate a report containing the Self-Test results for the TrueAlert appliances. Tap the **ALL** button to generate a report with the results for all appliances. Tap the **LAST** button to generate a report with result for the last device

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