Honeywell

Galaxy TouchCenter Plus

Installer Manual
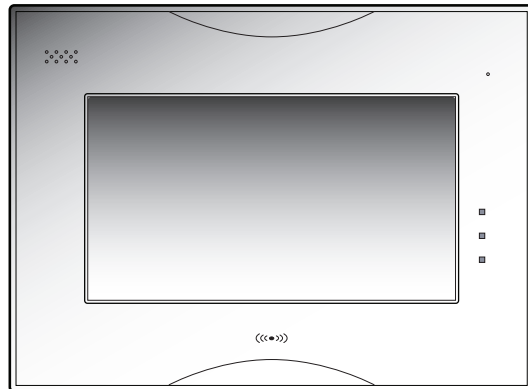
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About the System

This guide provides information on how to install and configure Honeywell's Galaxy TouchCenter Plus graphical touch-screen keypads, which are Advanced User Interface (AUI) devices. Your system will comprise one of the following keypads and the wall mount plastics:

- CP045-00   Galaxy TouchCenter Plus flush mount
- CP046-00   Galaxy TouchCenter Plus flush mount, with Prox
- A045   Wall mount plastics for Galaxy TouchCenter Plus

Compatibility

The listing below identifies the alarm systems that the keypad can interface with, the maximum number of keypads that can be used with each system, and the minimum alarm panel software revision level for compatibility.

Alarm system	Maximum number of keypads	Minimum panel software version
Flex/Flex+ 20	1	3.xx
Flex/Flex+ 50	1	3.xx
Flex/Flex+ 100	1	3.xx
Dimension 48	1	6.xx
Dimension 96	2	6.xx
Dimension 264	2	6.xx
Dimension 520	4	6.xx

Note: Only one Galaxy TouchCenter Plus keypad is permitted per RS485 line.

System Information

To view the current software/firmware version installed on your system, do the following:

| ICON	ACTION	NOTES
	1. On the **Home** screen, press the **Setup** icon, and then enter an authorised code. 2. Press the **System Info** icon	The MAC Address, CRC, software version and MCU firmware are also displayed.

Mounting

This keypad is for indoor use within the protected area only and should be mounted at a comfortable viewing level. Avoid mounting in areas of high condensation such as bathrooms or in locations where bright light or sunlight shines directly on the screen.

To mount the keypad:

1. Unclip the facia from the keypad to reveal four mounting screw holes.

2. If the customer has supplied an SD/SDHC media card containing videos and/or photos, fit the card in the slot in the rear of the keypad as shown below.

3. Cut a hole in the wall 208 x 152 mm (ensure it is no larger than 214 x 158 mm). Ensure there is a depth from the surface of the wall of at least 30 mm. If you need to attach the tamper to the wall to meet EN50131, ensure there is no gap between the rear of the tamper and the wall using suitable packing material.

4. Make a hole in the back or sides of the recessed box and feed the RS485 cable through.

5. Place the recessed box in the hole and tighten the claw fasteners, which rotate 90 behind the plaster board. Continue tightening until the box is securely held.

6. To meet EN50131, screw the tamper in the recessed box to the wall behind the box.

7. Go to *Wiring* (page 7) and complete the wiring.

8. Locate the keypad over the recessed box and ensure you can hear the tamper switch click, indicating that it is closed. Ensure that the keypad sits flat against the recessed box without the need to apply excessive force. If the keypad won't sit flat against the recessed box or the switch doesn't click, adjust the tamper screw (in to allow the keypad to locate and out to ensure the switch closes).

9. Screw the keypad to the recessed box using the four screws supplied.

10. Clip the facia in place.

Wall surface

SD card

Tamper height adjusting screw
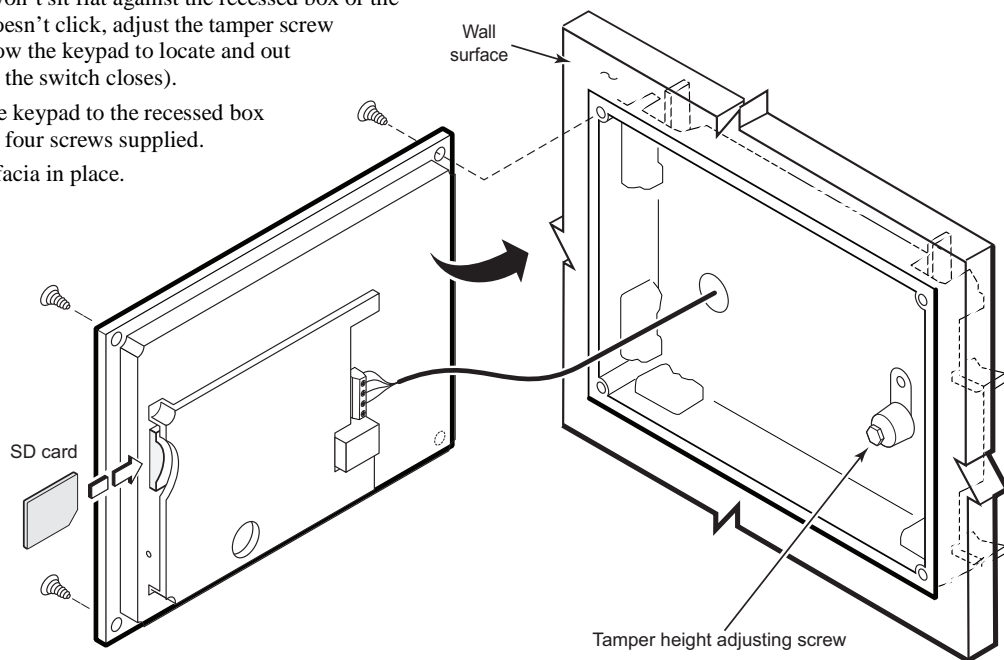
Wiring

Connect the Galaxy TouchCenter Plus to the panel's RS485 terminals. For maximum wire runs and wire sizes, refer to your panel's installation manual.

> The keypad draws up to 340mA at 9.6VDC, 260mA at 12VDC and 250mA at 13.8VDC.
>
> If you power the keypad from your panel's auxiliary power output, check your panel's Installation and Setup Guide and verify that this device and others do not exceed your panel's auxiliary power output capability. If it does, use a supplementary power supply.

Connect the RS485 wires to the keypad terminal block as shown below.
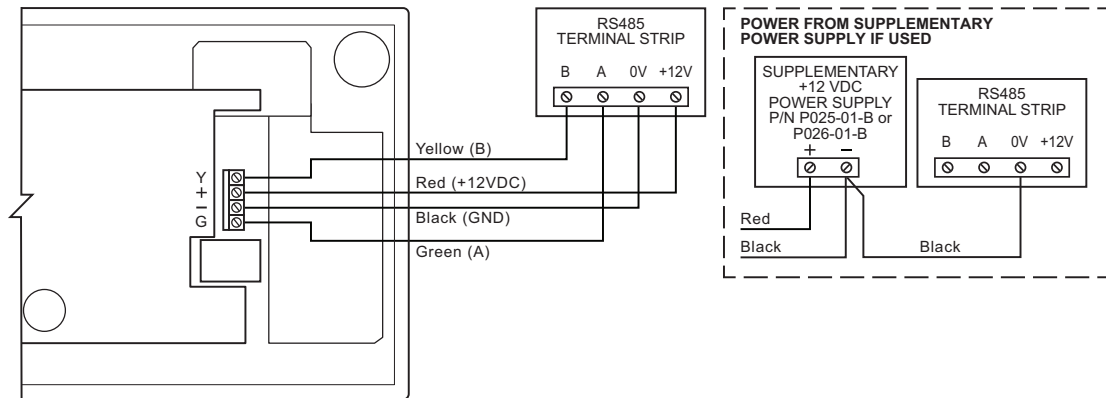
Specifications

| Mechanical Specifications:			
Width: 218 mm			
Height: 162 mm			
Depth: 34 mm			
Electrical Specifications:	9.6 VDC	12 VDC	13.8 VDC
Backlight OFF, Sound OFF, WIFI ON	170 mA	140 mA	130 mA
Backlight ON, Sound OFF, WIFI ON	280 mA	225 mA	200 mA
Backlight ON, Sound ON, WIFI ON	340 mA	260 mA	250 mA
Operating Environment: Humidity	93% RH, non-condensing		
Temperature: Operating	−10˚C to 55˚C		
Temperature: Shipping / Storage	−40˚C to 70˚C		

SD/SDHC Card Slot and Reset Button

The Galaxy TouchCenter Plus has a media card slot and reset button located behind the panel as shown below.

Note: If you need to insert a media card or access the reset button remember to do so before securing the keypad in place.

SD/SDHC CARD Slot

NOT USED

RESET BUTTON
Press to reset keypad
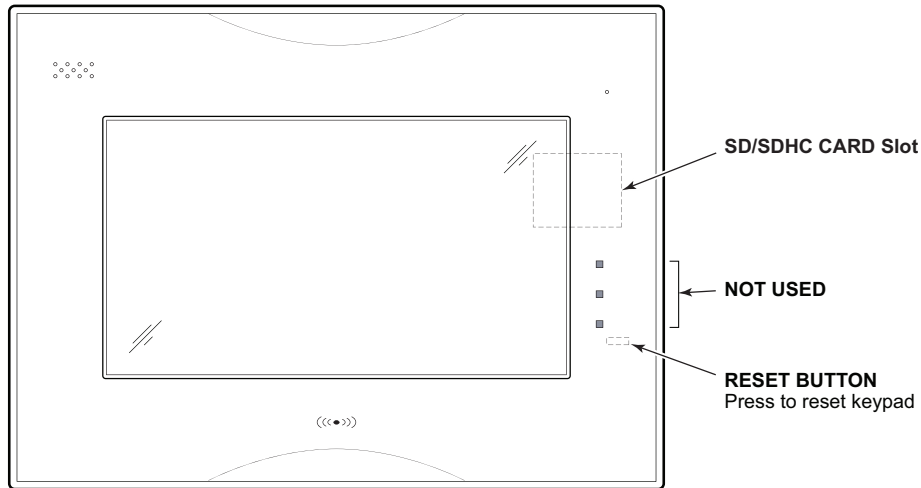
Note: When EN50131 Mode* is enabled the system status line at the top of the keypad is not displayed.

*The EN50131 Display compliance feature is a European Standard designed to prevent unauthorized users from viewing the status of the Security System.

Navigation Icons

To aid in the navigation through the Galaxy TouchCenter Plus screens a set of user-friendly icons has been provided. The appearance and function are described below.

| ICON	ICON TITLE	FUNCTION
	Security	Accesses the **Security** screen
	Control	Access the output control screen
	Home	Return to the **Home** screen
	Back	Return to the last screen viewed
	Setup	Access the **Setup** menus
	Picture	Allows a user to display personal photos in a slide show format
	Minimise Home	Minimises the **Home** screen icons when viewing wallpaper displays
	Maximise Home	Maximises the **Home** screen icons when viewing wallpaper displays

Panel Fault Displays

The **Security** screen displays an icon(s) if a panel fault(s) occurs. The following icons(s) may be shown as applicable to your system:

ICON	MEANING
	AC Loss – The system is not receiving AC power
	Low Battery – The battery that powers the system during an AC power loss is low or an RF device has a low battery
	Comms Line Fail – The communications module has a line fail
	Device Alarm – There is an alarm on the device shown
	Zone Trouble – There is a zone fault
	Tamper Alarm or Fault – There is a tamper alarm on the device shown or it is faulty

Initial Power Application

When initially powered, the screen displays **TouchCenter Plus** and the loading progress indicator bar.

ACTION	NOTES

1. Apply power to the panel, which also powers the Galaxy TouchCenter Plus. **TouchCenter Plus** is displayed along with the loading progress indicator bar. This is then followed by the **Set RS485 Address** screen.
 	
2. On the **Set RS485 Address** screen, do one of the following:
 	
  a) Leave the default address unchanged (the default address is 0).
 	
  b) Use the up/down arrows to select a new address if 0 is used by another device on the panel.
 	
3. Press **OK**.
 	
4. On the next screen, select the required language and, if not required, deselect **EN50131 Mode** (it is selected by default).
 	
5. Click **OK**. The **Home** screen is displayed.
 	
6. To set the time and date refer to *Time/Date Setup*.
	Note: The Galaxy TouchCenter Plus has been calibrated at the factory. Ignore the **Calibrate** button that appears on the **Options** screen after initial address setup. If the screen requires recalibration, the end user may do so via the **Keypad Test** screen. See the *LCD Display Test* section for instructions.

IP Setup and Network Connections

IP Address Setup

In most cases, IP addresses are assigned automatically (the **Obtain address auto** setting). However, you may require a static (fixed) IP address that can be found by accessing your router. Refer to your router instructions.

Setup a LAN Connection

On the **IP Setup** screen, add a LAN network connection as follows:

ICON	ACTION	NOTES
	1. Connect an Ethernet cable between the router and the keypad and setup any video cameras.	
	2. On the **Home** screen, press the **Setup** icon, and then enter an authorised code.	
	3. Press the **IP Setup** icon.	A pop-up window displays:
	4. Press the **LAN ON** button.	**This will switch off WLAN Network, do you want to continue? Yes or No**
	5. Press the **Save** icon: the IP information is automatically updated.	
	6. Return to the **IP Setup** screen. Check that the information is displayed.	
	7. If the IP address is not displayed, change the **Internet Connection type** to **Static**, and then manually enter the necessary IP information from your router. Press the **Save** icon; the IP information is automatically updated.	

Initial Setup (cont'd)

Setup a WIFI (WLAN) Connection

On the **IP Setup** screen, add a WIFI network connection as follows:

ICON	ACTION	NOTES
	1. On the **Home** screen, press the **Setup** icon, and then enter an authorised code.	
	2. Press the **IP Setup** icon.	A pop-up window displays:
	3. Press the **WIFI ON** button.	**This will switch off LAN Network, do you want to continue? Yes or No.**
	4. Do one of the following:	
	a) Use the scroll bar to locate a network from the list of WiFi Networks to connect to and highlight that field. If your router is not listed press the **Refresh** icon.	Use the **Data Entry Keyboard** to enter the required information. • Press the up arrow key to switch to capital letters.
	b) If your router is not listed, even after refreshing the list, scroll to the bottom of the list and select **Add Network**. Highlight each field to enter the required information for SSID, Security Mode, and Passphrase / Shared Key on the **Data Entry Keyboard** and press **GO**.	• Press the **Space** key to add a space between characters. • Press the **x** key to delete/backspace. • Press the **ABC/.?123/Åå** key to switch between numerals and symbols/characters.
	5. Press the **Save** icon. Pressing **Save** when changing the port number resets the keypad.	A pop-up window displays: **Success** **WIFI Network Saved**

Setup

This section describes how to use the brightness and volume controls, and how to select the language and adjust the screen timeouts.

Brightness and Volume Control

To set the brightness and volume:

ICON	ACTION	NOTES
	1. On the **Home** screen, press the **Setup** icon, and then enter an authorised code. 2. Move the **Brightness** and/or **Volume** slide bars up or down to increase or decrease the settings. 3. Press the **Save** icon.	If changes are made, when you exit a pop-up window displays: **Information** **Settings saved**

Display Setup

On the Display Setup screen you can access **Language**, **Backlight Off After**, **To Homepage After**, **Auto Slideshow After**, and **Clean Screen**.

Language Selection (if applicable)

The Galaxy TouchCenter Plus can display ten different languages.

To change the language:

ICON	ACTION	NOTES
	1. On the **Home** screen, press the **Setup** icon, and then enter an authorised code. 2. Press the **Display Setup** icon. 3. Press the **Language** button and then, using the up/down arrow buttons, select a language. 4. Press the **Save** icon. 5. Press **OK**.	After step 4, the following message is displayed: **Information** **Language has been changed** **Press OK or Cancel**

Adjust the Screen Timeouts

When the keypad is left idle, it automatically:

- Turns the backlight off after the selected backlight off time has expired (unless the **Never** option is selected).
- Returns to the **Home** screen after the selected **To Homepage After** time has expired (unless **Never** option is selected), and
- If enabled, the **Auto Slideshow After** time begins the slide show.

Note: In **EN50131 Mode** you can only adjust the backlight off after time.

To select the desired screen timeouts:

ICON	ACTION	NOTES
	1. On the **Home** screen, press the **Setup** icon, and then enter an authorised code. 2. Press the **Display Setup** icon. 3. Press the desired timeout button. 4. Use the up/down arrow buttons to change the timeout. 5. Press the **Save** icon.	Settings include: - **Backlight Off After** time - **Return To Homepage** After time - **Auto Slideshow After** time

Clean Screen

With the exception of normal cleaning, the keypad is maintenance free.

Press the **Display Setup** icon, and do the following:

ICON	ACTION	NOTES
	1. Press the **Clean Screen** icon. A popup window displays **Touch Screen has been disabled so that you may wipe the screen clean. Please use a damp, soft cloth. DO NOT use any liquids, sprays, or ammonia-based cleansers. Press CONTINUE to disable touchscreen**. 2. Press **Continue**, and then wipe the screen.	When the **Continue** icon is pressed the message **Touch Screen Disabled for =30 Seconds** is displayed. During these 30 seconds the touch screen should be wiped clean of fingerprints using a mild soap solution and a soft cloth. When the counter reaches zero, the window automatically closes and the touch screen is active.

IMPORTANT: Do not use an abrasive cleaning agent or abrasive cloth when cleaning the keypad or damage to the touch screen may occur.

Multi-Media

The multi-media options allow you to display personal photos in a slide show format and video (audio) files.

Important: The feature will only work if you fitted a personal media (SD/SDHC) card with stored photos and /or video (audio) files prior to installing the keypad.
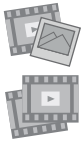
Video (Audio) Setup

This feature allows you to display videos and can be accessed from the **Home** screen by pressing the **Multimedia** icon. To access this function:

ICON	ACTION	NOTES
	1. Press the **Multimedia** icon. 2. Press the **Video** icon. 3. Highlight a video file from the list and press the **Play** icon to start the selected video. 4. Press the **Repeat** icon to continually replay the selected video. 5. Deselect the **Repeat** icon to automatically play the complete list of video files starting with the first video and ending with the last.	A video converter is required to convert videos for proper playback on the TouchCenter Plus keypad. Use an Internet search engine to locate and download a video converter, then follow the steps in the video converter instructions (provided in the carton). **Note:** Maximum video resolution must not exceed 400 x 240.
Video Icons		
Play Pause Full View Repeat Stop		Use the slide bar to scroll through the video list. Press the appropriate icon to control the video: Play, Pause, Full View, Stop or Repeat. To exit Full View mode at any time while a video is playing, press anywhere on the screen.

Picture Setup

This feature allows the user to display up to 1000 personal photos on the touch screen and can be accessed from the **Home** screen by pressing the **Multimedia** icon. To access this function:

ICON	ACTION	NOTES

	1. Press the **Multimedia** icon.
	2. Press the **Picture** icon.
	3. Press the **Transition** dropdown to select the type of viewing transition (**Standard**, **Horizontal**, **Vertical** or **Fade Out**).
	4. Press the **Slide Delay** dropdown to select the time interval that you want to allow between each photo being viewed. Choose from (5, 10, 15, or 20 seconds).
	5. Add and remove images from the slide show as follows:
	   a) To remove all images to the slide show, press **Clear All**.
	   b) To add selected images to the slide show, highlight each image in the list or use the **Previous Image** or **Next Image** icons to display the image, and then press the **Add Image** icon.
	   c) To remove an image from the slide show, highlight the image or use the **Previous Image** or **Next Image** icons to display the image, and then press the **Deselect Image** icon.
	To set a picture as wallpaper:
	1. Use the slide bar to highlight the file you want to be displayed on the keypad screen.
	2. Press the **Set Wallpaper** icon, and then view your selection on the **Home** screen.
		Photo files can be viewed from the (SD/SDHC) Card. Formats supported are .bmp, png or .jpg files.
		If no images are added to a slide show then all images are shown by default.
		Notes:
		• To exit slide show at any time and resume keypad operation, press anywhere on the screen.
		• The first image is displayed and a list of stored images appears on the screen.
		• When an image is loading, no other picture setup function can be performed (play, previous, next, add or set wallpaper).
		Press the **TOP** button to move up one level in the directory.
		Press the **OPEN** button to view larger images and/or open directories, select from the list of stored images.
		Press the **CLEAR ALL** button to clear all selected pictures from the current slide show rotation. The slide show reverts to showing all images.
		Note: On the **Home** screen press the **Minimize Home** icon to reduce the **Home** screen icons and to have better visibility of the wallpaper.
		Press the **Maximize Home** icon to maximize the **Home** screen icons.

Picture Icons						Home Screen Icons	
Play Image	Previous Image	Next Image	Add Image	Deselect Image	Set Wallpaper	Minimize Home	Maximize Home

Camera Setup

The Camera feature allows you to enrol cameras and view up to four cameras at one time using the quadrant view feature. If using existing (mounted) cameras, go to Step 4 below. If this is a first time setup, you will need to Discover/Configure the cameras prior to mounting and then follow the steps below.

ICON	ACTION	NOTES
	1. Connect a Cat5/6 cable to your camera (LAN) and connect the opposite end to an Ethernet connection on your router.	Initial camera setup cannot be performed over a wireless connection.
	2. Apply power to the Camera. It may take a few seconds for initial power-up of camera.	**Notes:**
	3. On the **Home** screen press the **Camera** icon and an authorized code (or press the **Multimedia** icon followed by the **Camera** icon. The **Camera List** screen is displayed.	• QuickTime® media player must be installed on your computer. • Max. suggested camera resolution = 640 x 480. Max. suggested frame rate = 5 fps. • Camera viewing is not compatible if using Opera web browser.
	4. Press the **Discover** icon to locate the camera. Once located, highlight the camera address, and press the **Edit** icon and go to Step 7 below.	**IMPORTANT:** Use a web browser to view cameras for non-security purposes only. Camera streams viewed on web browsers can stop without indication due to network connection issues.
	5. If the camera information is not automatically obtained, press the **Add** icon to manually enter information on the **Add Camera** screen.	Use the Data Entry Keyboard to enter all required information.
	6. To edit camera information, highlight the camera name and press the **Edit** icon; the **Edit Camera Settings** screen is displayed.	• Press the Up Arrow key to switch to capital letters • Press the X key to delete • Press the ABC/.?123/Åå key to switch between numerals and symbols/characters. • Press GO to return to the "Add New Camera" screen.
	a) To retrieve camera settings and connect to the camera, press the **Camera Settings** icon, or	
	b) Highlight each field to enter new information on the Data Entry Keyboard and use the up/down arrows to change settings.	Enter the appropriate wireless information for SSID, Security Mode,
	c) Press **Save**.	N/W type, Domain and Channel.
	7. When all cameras have been added, press the **Camera WiFi** icon and enter the camera wireless settings from your router.	**WARNING:** Make sure the cameras are connected via Ethernet with a Cat 5/6 cable.
	8. Press the **Apply to all** icon to set cameras to wireless operation. If camera does not have wireless capability, leave it connected to router.	On the **Edit or Add Camera Settings** screen, enter the appropriate information (NAME, IP Address, RTSP, MJPEG, MOBILE, RTSP PORT#, MODEL, USER NAME, PASSWORD, RESOLUTION, FRAME RATE, HTTP Port#) if known.
	9. Press the **Save** icon.	Security System information for WEP enter Disabled, WPA personal, WPA2 personal, and WEP Key.
		For WPA PSK TKIP, WPA PSK, AES, and WPA2 PSK AES, enter the Shared Key using the Data

ICON	ACTION	NOTES
		Entry keyboard and press OK.
		A pop-up window displays "cam (name) wireless set OK", if successful. Or, "cam (name) wireless set Failed".
		The Cat5/6 cable can now be removed for the wireless cameras and once power has been recycled to the camera you can view wirelessly via the TouchCenter Plus keypad.
		Press the Reset icon; the Pop-up window displays "Do you want to reset the camera?" Select Yes or No.

Setup Icons							Camera Icons					
Discover	Add	Edit	Delete	Delete All	Settings	Camera Wifi	Play	Auto Pan	Quad View	Full View	Pan/Tilt	Back

System Setup

This section describes how to change system settings.

Console Mode

Console Mode displays an alpha/numeric keypad on the screen that can be used to make changes on the panel.

To access the **Console Mode**:

ICON	ACTION	NOTES
	• On the **Home** screen, press the **Console Mode** icon, and then enter an authorised code.	

Set RS485 Address
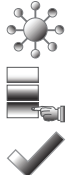
Follow this procedure if you want to change the keypad's RS485 address in the panel.

ICON	ACTION	NOTES
	1. On the **Home** screen, press the **Setup** icon, and then enter an authorised engineer code.	
	2. Press the **System Setup** icon.	
	3. Press the **Eng. Setup** icon.	
	4. Press the **RS485 Address** icon.	
	5. Use the up/down arrows to select a valid address.	
	6. Press the **Apply** icon.	

EN50131 Mode

The EN50131 compliance feature is part of a European Standard designed to prevent unauthorized users from viewing the status of the security system. When **EN50131 Mode** is turned on the status bar is not displayed on the **Home** screen.

Follow this procedure if you want to enable/disable **EN50131 Mode**:

ICON	ACTION	NOTES
	1. On the **Home** screen, press the **Setup** icon, and then enter an authorised engineer code.	
	2. Press the **System Setup** icon.	
	3. Press the **Eng. Setup** icon.	
	4. Press the **Options** icon.	
	5. Select/deselect **EN50131 Mode**.	
	6. Press the **Apply** icon.	

Screen Security

The Screen Security screen displays a list of keypad information and setup screens and the authority levels assigned to each. To view and/or edit the authority levels, do the following:

ICON	ACTION	NOTES
	1. On the **Home** screen, press the **Setup** icon, and then enter an authorised engineer code. 2. Press the **System Setup** icon. 3. Press the **Eng. Setup** icon. 4. Press the **Screen Security** icon. 5. If changes are necessary, select the line to be changed and a new authority level, and then press Apply. 6. Press the **Apply** icon.	

Device Events

Option not available

Control

The TouchCenter Plus can be used to control building systems such as lighting, air conditioning and gates.

To setup control, if required:

ICON	ACTION	NOTES
	1. In the panel, use option 53.XXXX.6 (refer to the panel's Installer Manual) to setup the devices/systems that will be controlled from the keypad. 2. On the keypad, press the **Control** icon.	You will see a switch icon for each device/system that can be controlled from the keypad. A lightbulb symbol may be displayed next to a switch if **Show Status** has been enabled in the panel. The lightbulb symbol changes to lit when the switch icon is pressed.

User System Setup

This section describes how to setup users and user functions.

User PIN Setup

Each user must be assigned a name with a corresponding 4 to 6 digit User PIN in order to gain access to various features and functions.

Users of the system are programmed in a central user setup location in the control panel that provides options to enable various user details.

Authority Levels

Authority levels define the system functions a particular user can perform. Depending on the authority assigned to you, there are certain system functions you may be prohibited from performing. The following information describes the authority levels available in the keypad and provides the equivalent authority level name found in your alarm system manuals. The authority levels available in the keypad are as follows:

EN50131-1 Level	Authority Level		Panel Access Availability
1	0†	Cleaner (Guard in Flex)	Entered into event memory – no other option
2	1†	Cleaner (Guard in Flex)	Can only set the system and change own PIN
2	2†	Caretaker	Can only set and unset the system and change own PIN
2	3	Users	Menu options 11 to 19
2	4	Users	Menu options 11 to 25
2	5	Users	Menu options 11 to 32
2	6‡	Manager	Menu options 11 to 48
3	7‡	Engineer	Menu options 11 to 72
3	8‡	Remote	Menu options 11 to 72
† No access to menu functions			
‡ The manager, engineer and remote codes (the last three codes on the system) have fixed types which cannot be reprogrammed.			
Note: All levels except Guard 0 can change their own PIN.			

Note: The authorised code level for deleting, adding, and editing users is level 6.

User System Setup (cont'd)

How to Add a User

To add a user:

ICON	ACTION	NOTES
	1. On the **Home** screen, press the **Setup** icon, and then enter an authorised code.	Use the data entry keyboard to enter all required information.
	2. Press the **System Setup** icon.	User names can have up to 6 characters, including spaces.
	3. Press the **User Setup** icon.	• Press the **Up Arrow** key to switch to capital letters
	4. Press the **Add User** icon.	• Press the **X** key to delete
	5. In the boxes, enter a **User Name** and a **User PIN** (4 to 6 digits).	• Press the **ABC/.?123/Åå** key to switch between numerals and symbols/characters.
	6. Select a **User Level**.	• Press **Go** to return to the **Add User** screen.
	7. If groups are enabled, select values for the **User Groups** and **Group Choice** fields.	For available user numbers, refer to the control panel instructions.
	8. If required, select **Full Menu**.	
	9. If required, add a fob or max card as follows: Press **Start Learn card** and present the fob/max to the KeyProx reader below the keypad screen. The number will be self-learned onto the system and displayed in the card number window.	
	10. Press the **Save** icon.	

How to Delete a User

To delete a user:

ICON	ACTION	NOTES
	1. On the **Home** screen, press the **Setup** icon, and then enter an authorised code.	
	2. Press the **System Setup** icon.	
	3. Press the **User Setup** icon.	
	4. Select the User you want to delete.	
	5. Press the **Delete User** icon.	

How to Edit a User

To edit a user:

ICON	ACTION	NOTES
	1. On the **Home** screen, press the **Setup** icon, and then enter an authorised code. 2. Press the **System Setup** icon. 3. Press the **User Setup** icon. 4. Select the user you want to edit. 5. Press the **Edit user** icon. 6. Make the required changes, and then press the **Save** icon.	

Time/Date Setup

You can set the time and date on the **Time/Date Setup** screen, which also updates the panel's time and date.

During normal operation the panel periodically updates the keypad time and date settings.

Setting Current Time and Date

To set the time and date:

ICON	ACTION	NOTES
	1. On the **Home** screen, press the **Setup** icon, and then enter an authorised code. 2. Press the **System Setup** icon. 3. Press the **Time/Date Setup** icon. 4. Select and change any of the following as required: month, day, year, time, AM/PM, date format and 12/24 hours format. 5. Press the **Apply** icon.	When you press **Apply** the settings are also applied to the panel.

User System Setup (cont'd)

Setting Summer Time

Note: This option is only available on Dimension and Flex panels with software versions up to 3.15.

To set summer time start and finish dates:

ICON	ACTION	NOTES
	1. On the **Home** screen, press the **Setup** icon, and then enter an authorised code. 2. Press the **System Setup** icon. 3. Press the **Time/Date Setup** icon 4. Press the **Summer Time** icon. 5. Select month and day for the Start Summer and End Summer times. 6. Press the **Apply** icon.	When you press **Apply** the settings are also applied to the panel.

Advanced Setup

The **Advanced Setup** screen provides access to **Keypad Test** and **Keypad Reset** screens.

Note: The **Night Setup** and **Output Setup** options are not available.

Keypad Test

Keypad test allows you to perform the following four tests: **LCD Display Test**, **Audio Test**, **LED Test**, and **Calibration**.

Each time you enter the **Keypad Test** screen the tests are listed as **Not Performed**.

LCD Display Test

To perform the LCD display test:

ICON	ACTION	NOTES
	1. On the **Home** screen, press the **Setup** icon, and then enter an authorised code. 2. Press the **System Setup** icon. 3. Press the **Advanced Setup** icon. 4. Press the **Keypad Test** icon. 5. Press the **LCD Display Test** icon. A series of screens appear. After each type of display, you are asked if the display was proper.	If the response to all questions is yes, the LCD Display Test message area of the Diagnostics screen displays: **Passed**

Audio Test

Perform the audio test as follows:

ICON	ACTION	NOTES
	1. On the **Home** screen, press the **Setup** icon, and then enter an authorised code. 2. Press the **System Setup** icon. 3. Press the **Advanced Setup** icon. 4. Press the **Keypad Test** icon. 5. Press the **Audio Test** icon. **Testing** is displayed as beeps sound from the speaker.	If you press **Yes**, **Passed** is displayed on the test screen. If you press **No**, **Failed** is displayed in the test screen.

LED Test

Perform the LED Test as follows:

ICON	ACTION	NOTES
	1. On the **Home** screen, press the **Setup** icon, and then enter an authorised code. 2. Press the **System Setup** icon. 3. Press the **Advanced Setup** icon. 4. Press the **Keypad Test** icon. 5. Press the **LED Test** icon. **Testing** is displayed while the 3 LEDs light sequentially, top to bottom (red, green, yellow), 5 times.	At the conclusion of the test, a popup displays: **Did you see chasing LED pattern?** If you press **Yes**, **Passed** is displayed on the test screen. If you press **No**, **Failed** is displayed in the test screen.

Calibration Test

If the Touch Screen requires recalibration, do the following:

ICON	ACTION	NOTES
	1. On the **Home** screen, press the **Setup** icon, and then enter an authorised code. 2. Press the **System Setup** icon. 3. Press the **Advanced Setup** icon. 4. Press the **Keypad Test** icon. 5. Press the **Calibration** icon and using a stylus, follow the screen directions by pressing a series of crosshairs (+) and boxes (❑) on the screen until done. 6. If the test was successful, press **OK**. The screen returns to the **Keypad Test** screen.	A popup message displays: **Touch screen calibration** **Touch crosshair to calibrate** If the Calibration test was successful, a confirmation screen appears stating: **Calibration Success** If the test was unsuccessful, an error message appears stating: **Calibration Failure:** **Retry**, **Ignore**, **Cancel**.

Keypad Reset

To reset the keypad do the following:

ICON	ACTION	NOTES
	1. On the **Home** screen, press the **Setup** icon, and then enter an authorised code. 2. Press the **System Setup** icon. 3. Press the **Advanced Setup** icon. 4. Press the **Keypad Reset** icon.	When the **Keypad Reset** icon is pressed, the message is displayed: **Confirmation** **Are you sure you want to reset?** Select **Yes** or **No**.

Notes

Compliance

This product is suitable for use in systems compliant to EN50131-1:2006+A1:2009 and BS8243:2010

This product has been tested for compliance to EN50131-3:2009 by BRE Global Ltd.

Security Grade: 3

Environmental class: II

NFa2p Type: 3

CE