

EN

# LCD Panda Keypad & LCD Panda Proximity Keypad Installation and User Guide



Models: RP432KPP2

**Language**

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## Introduction

The user-friendly wired LCD & Proximity keypad enables simple operation and programming of the LightSYS (version 5.63 and above) and ProSYS Plus (version 1.2 and above) security systems, and for the CS (Version 3.1.0.0003).

## Main Features

- Optional built-in proximity tag reader
- Wall mounting by screws
- Wall tamper protection
- Modern look and feel
- Simple to install with incorporated mounting bracket

## Installation

### Mounting the Keypad

Mount the keypad on the wall using the supplied mounting bracket.

**To mount the keypad:**

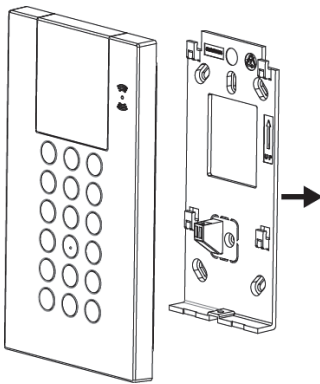


Figure 1

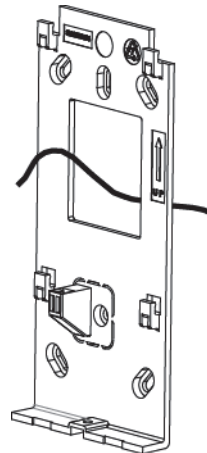


Figure 2

1. Separate the mounting bracket from the keypad (see Figure 1).
2. Insert the wires through the hole in the mounting bracket (see Figure 2).
3. Use the mounting holes as a template and secure the mounting bracket to the wall using 4 screws and 1 extra screw for the tamper (see Figure 3).

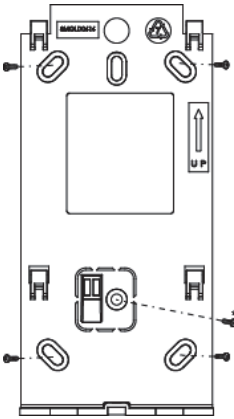


Figure 3

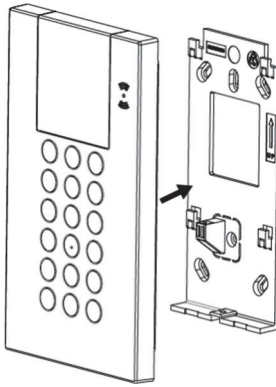


Figure 4

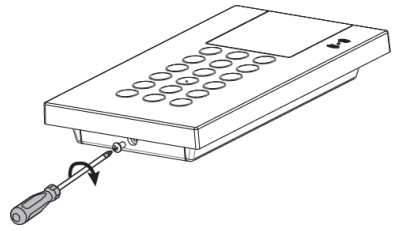


Figure 5

\* Used for tamper

4. Connect the wires to the (AUX, COM and BUS) connector shown in Figure 7.
5. Mount the keypad to the mounting bracket (see Figure 4).
6. Insert the fastening screw to lock the keypad (see Figure 5).

**Mounting on Gang Box (Optional):**

1. Repeat steps 1 to 2 in the previous procedure.
2. Secure the mounting bracket to the Gang Box using the two screws as illustrated in Figure 6.

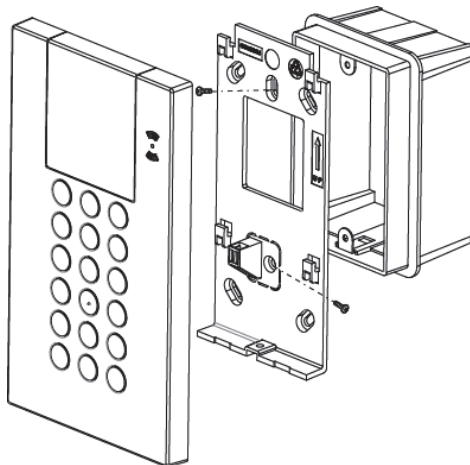


Figure 6

3. Mount the keypad to the mounting bracket and insert the fastening screw to lock the keypad

# Keypad PCB

Use DIP switches 1 to 5 to define the BUS ID of each accessory / detector according to the table in Figure 7.

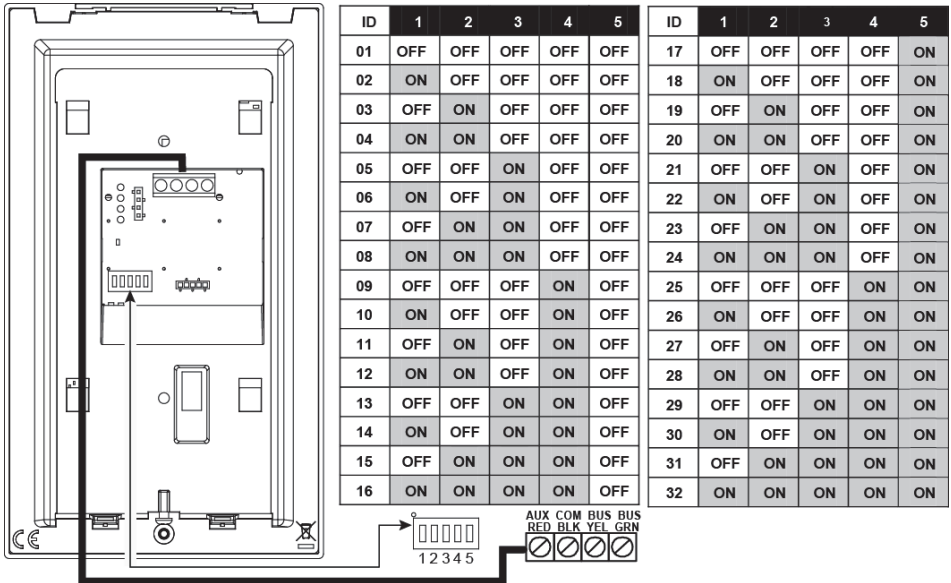








Figure 7

## Configuration








### Visual Indicators

The following visual indicators are displayed on the LCD panel:

Icon	Indication	Operation
 <b>Trouble</b>	On	System trouble
	Off	System is operating normally
 	On	System is ready to be armed
	Off	System is not ready to be armed
	Slow Flash	System is ready to be armed while exit/entry zone is open
 <b>Arm / Alarm</b>	On	System is armed in Full Arm or Stay Arm mode
	Off	System is disarmed
	Slow Flash	System is in Exit Delay
	Rapid Flash	Alarm condition
 <b>Stay / Bypass</b>	On	System is Stay Arm mode (Part Set) or Zone Bypass mode
	Off	No bypass zones in the system
 <b>Tamper</b>	On	Zone/keypad/external module has been tampered
	Off	All zones are operating normally
 <b>Cloud Connectivity</b>	On	System connected to cloud
	Slow Flash	Cloud connectivity trouble
	Off	No cloud connection configured / No cloud connectivity



## Keypad Keys

### Control Keys

Key	Operation
	In Normal Operation mode: Used for Away (Full setting).
	In User Functions menu: Used to change data.
	In Normal Operation mode: Used for Stay arming (Part Setting).
	In User Functions menu: Used to change data.
	Used to disarm (unset) the system after a user code is entered;  is used to terminate commands and confirm data to be stored.
	Used to scroll up a list or to move the cursor to the left; ⓘ Provides the system status.
	Used to scroll down a list or to move the cursor to the right.
	In Normal Operation mode: Used to enter the User Functions menu.
	In User Functions menu: Used to move back one step in the menu.

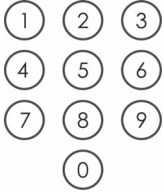
### Emergency Keys

The following operations will send emergency notifications to the alarm monitoring station

Key	Operation
4 + 6	Pressing both keys simultaneously for at least two seconds activates a Fire alarm
7 + 9	Pressing both keys simultaneously for at least two seconds activates an Emergency alarm
 + 	Pressing both keys simultaneously for at least two seconds activates a Police (Panic) alarm

### Function Keys





Key	Operation
1/2/3/5	Used to arm (set) groups of zones (by default) or to activate a prerecorded series of commands (macros). To activate press for 2 seconds




	Numerical keys that are used to input numeric codes (arming, disarming or used to activate specific functions)
----------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------








## Keypad Settings

**Note:** The following settings must be defined individually for each keypad connected to the system.

To define keypad settings when idle follow this procedure:

1. Press  for two seconds until the Keypad Settings menu appears
2. Select the relevant icon using the    keys:

	Brightness
	Contrast
	Keypad's buzzer volume

3. Press .
4. Press the    keys to adjust the level settings.
5. Press  to save the adjustment.
6. Press   to exit the keypad settings.

## Proximity Tag Operation

Present the Proximity Tag to the keypad (after waking the keypad) as shown in the following illustrations:

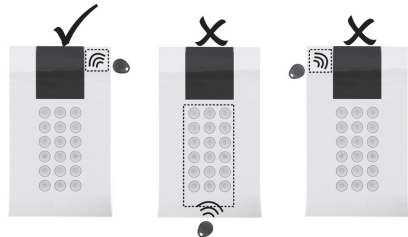


Figure 8

## Automatic Upgrade Resulting from Panel Manual Upgrade

Upon initiation of the LightSYS2 panel remote upgrade (See *LightSYS2 Installer Manual, Appendix I: Remote Software Upgrade*), the keypad software may automatically also be upgraded. During this approximately three-minute process



upgrade icons (🕒 🏠) and the power icon (⚠️) are displayed on the keypad and the LED light flashes. Do not disconnect during this period.

## Cleaning the Keypad

Use a non-abrasive damp cloth to clean the keypad. Do not expose the screen or the keys directly to liquid.

## Technical Specification

Parameter	Description
Current Consumption: RP432KPP2	13.8v +/-10%, 130 mA typical/180 mA max.
Main Panel Connection	4-wire BUS, up to 300 m (1000 ft) from Main Panel
Proximity RF frequency:	13.56 MHz
Dimensions (H x W x D):	178 x 103 x 27 mm (7 x 4.1 x1.1")
Weight:	RP432KPP2: 295 gr.
Operating temperature:	-10°C to 55°C (14°F to 131°F)
Storage temperature:	-20°C to 60°C (-4°F to 140°F)
Humidity Range	Average relative humidity: 75%
Standard Compliance	EN50131-3 Grade 2 Environmental Class II
Min. number of variations of PIN codes	10000 for 4-digit codes
Number of invalid code entries before user interface is disabled	After 3 attempts

## Ordering Information

Model	Description
RP432KPP2	Panda Wired LCD Keypad, Proximity

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Hereby, RISCO Group declares that this equipment is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. For the CE Declaration of Conformity please refer to our website: [www.riscogroup.com](http://www.riscogroup.com)

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[support@riscogroup.com](mailto:support@riscogroup.com)

### FCC ID: JE4RP432KPP2

### IC: 6564A-RP432KPP2

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

### FCC Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and the receiver.

Connect the equipment into an outlet on a different circuit from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

### IC Warning

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement



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