

WL Panda for LightSYS Air/LightSYS Plus



Model: RW432KPP2

Installation and User Guide



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The 2-Way WL Panda for LightSYS Air/LightSYS Plus keypad is used to remotely program and operate the LightSYS Air/LightSYS Plus control panel. Being bi-directional, the 2-Way keypad receives a reply status indication from the panel for each command sent to the panel. You can operate the keypad either using a code or a proximity tag.

Main Features

- Bi-directional Wireless Communication
- Full Wireless Installer Programming
- Up to 2 WL Panda LightSYS Plus Keypads per WL Video Expander / Up to 8 WL Panda LightSYS Air Keypads
- S.O.S / Two-way communication emergency key
- Proximity tag operation
- Double tamper protection (Box & Wall)
- Battery economy mode



Communication Setup

Note: For LightSYS Plus communication setup, use the RP432EWV WL receiver.

The WL Panda for LightSYS Air/LightSYS Plus keypad must identify itself to the system receiver. This can be done by typing the 11-digit serial number of the keypad into the system or using RF mode.

To set up the keypad using the serial number refer to the security system installation manual.

Setup using RF communication:

1. Set the receiver to Learn Mode.
2. Send a Write message by pressing both keys   simultaneously for at least 2 seconds. In a voice supported system, the keypad will sound a confirmation beep and the system will beep to acknowledge.
3. If required to change the keypad's default settings, configure the keypad's parameters according to the system installation manual.

Note: Adding the keypad to the system can be done remotely using the configuration software by entering the serial number of the keypad.

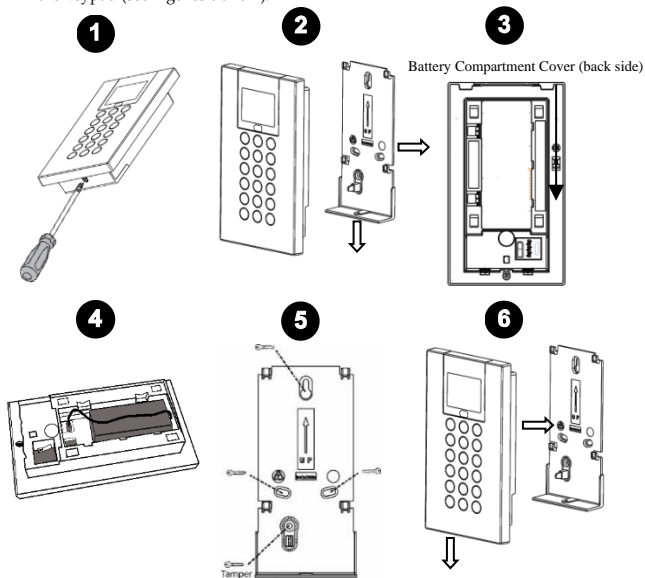
Note: The firmware update is done by FOTA - Firmware Over The Air Technology. In case a newer firmware is available for the keypad (due to keypad enrollment or remote panel upgrade) the keypad will be upgraded immediately after the panel's remote upgrade or during exit from a programming mode.

Mounting the Keypad

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

NOTE: Before mounting the keypad test the keypad communication with the system.







1. Remove the fastening screw that secures the mounting bracket to the keypad (see Figure 1).
1. Separate the mounting bracket from the keypad (see Figure 2).
2. Release battery cover from the keypad's battery compartment (see Figure 3).
3. Attach the battery cable to the battery connector (see Figure 4), insert the batteries (while paying attention to the polarity of the batteries) and close the battery compartment.
4. Allocate the Keypad to the Receiver (see Communication Setup).
5. Using the mounting holes as a template secure the mounting bracket to the wall (see Figure 5).
6. Mount the keypad to the mounting bracket and insert the fastening screw to lock the keypad (see Figures 6 and 1).



Main Keypad Operations

Visual Indicators

The following visual indicators are displayed on the LCD Keypad:

Icon	Indication	Operation
 Trouble	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
 Arm / Alarm	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
 Stay / Bypass	On	System is Stay Arm mode (Part Set) or Zone Bypass mode
	Off	No bypass zones in the system
 Tamper	On	Zone/keypad/external module has been tampered
	Off	All zones are operating normally
 Cloud Connectivity	On	System connected to cloud
	Slow Flash	Cloud connectivity trouble
	Off	No cloud connection configured / No cloud connectivity

User Operations






























Control Keys



The following lists details the user operations from the 2-Way WL Panda for LightSYS Air/LightSYS Plus keypad.

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.

Common User Operations



Key	Operation
Away (Full Setting)	Code >
Stay (Part Settings)	Code >

Key	Operation
Disarm (Unset) and Silence an alarm	Code > 
Away (Full Setting) partition 1/2/3/4	Code >  > 1/2/3/4 > 
Stay (Part Settings) partition 1/2/3/4	Code >  > 1/2/3/4 > 
Partition Disarm (Unset)	Code >  > 1/2/3/4 > 
Duress Unset	Duress Code > 
Quick Zones Bypass (Omit)	Code >  [Zone No.]
Activate Output	 ← [Code]  [Activities]  [Output Control]  [Prgrm Output Num]
Define Follow-Me	 ← [Code]  [Follow Me]  [Define]
View Fault	 ← [Code]  [View]  [Fault]
View Event Log	 ← [Code]  [Event Log] 
Keypad Chime On/Off	 ← [Code]  [Activities]  [Keypad sound]  [Chime]
Edit User Code	 ← [Code]  [Codes/Tags]  [Define]

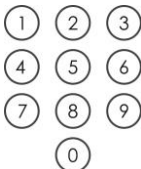
Key	Operation
Changing Keypad Language	 simultaneously for 2 seconds > select language > 

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 NOTE: If both group arming and macros are defined in the panel, upon button press only macros will operate.
	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:

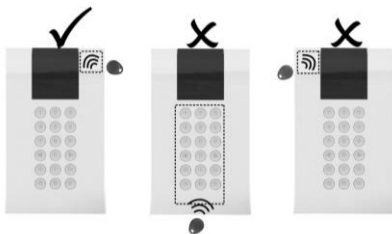


Figure 8

Sleep Mode

For extending the battery life of the keypad, the keypad is designed with a Sleep mode function. By default, 10 seconds after the last key has been pressed, the keypad will turn off its display.

Replacing Batteries

1. Remove the fastening screw that secures the mounting bracket to the keypad (see Figure 1).
2. Slide the keypad and remove it from the mounting bracket.
3. Remove the battery compartment cover.
4. Disconnect the battery cable from the battery connector.
5. Replace the batteries while paying attention to the polarity of the batteries (see Figure 9).

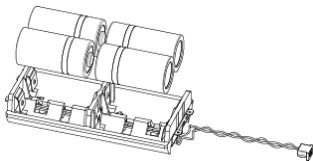




Figure 9

6. Reconnect the battery cable to the battery connector.
7. Close the battery compartment cover, place the keypad back on the wall and secure the screw to its place.

CAUTION: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to local regulations.

Changing keypad parameters

Any change performed in the definition of the keypad parameters also requires

updating the keypad. This is performed by pressing the   key for 2 seconds. The panel will then send an update to the keypad.

Technical Specification

Electrical	
Battery Type	CR123, 3V Lithium battery (x 4)
Current Consumption	Standby current 30µA, Max current 150 mA
Power Output	869.525MHz, 10 mW
Frequency	869.525MHz, 916 MHz
Modulation Type	GFSK
Typical Battery Life	3 years
Low battery indication	2.6 V
Proximity RF frequency	13.56 MHz
Physical	
Dimension (HxWxD)	180 x 115 x 35 mm (7.1 x 4.5 x 1.4")
Weight (Including batteries)	0.435 kg
Environmental	
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	EN 50131-1, EN 50131-3 Grade 2, Environmental Class II, EN 50131-6 Type C, EN 50131-5-3, PD6662:2017
Certification body	Applica Test & Certification

Ordering Information

Model	Description
RW432KPP402A	WL Panda KP LightSYS+/Air&Prox for 433MHz System
RW432KPP802A	WL Panda KP LightSYS+/Air&Prox for 868MHz System

Standard Compliance

RED Compliance Statement:

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.

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