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+ identifies the positive terminal(s) of equipment which is used with, or generates direct current. - identifies the negative terminal(s) of equipment which is used with, or generates direct current.

No naked flame sources, such as lighted candles, should be placed on the equipment.

The serial port of the equipment is used for debugging only.

Install the equipment according to the instructions in this manual.

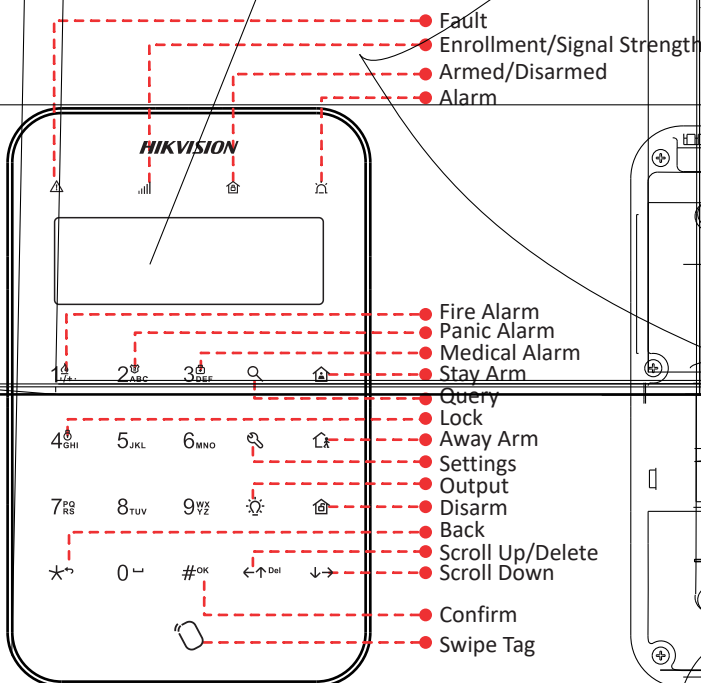
To prevent injury, this equipment must be securely attached to the floor/wall in accordance with the installation instructions.

Keep right direction when using the equipment.

The additional force shall be equal to three times the weight of the equipment but not less than 50N. The equipment and its associated mounting means shall remain secure during the installation.

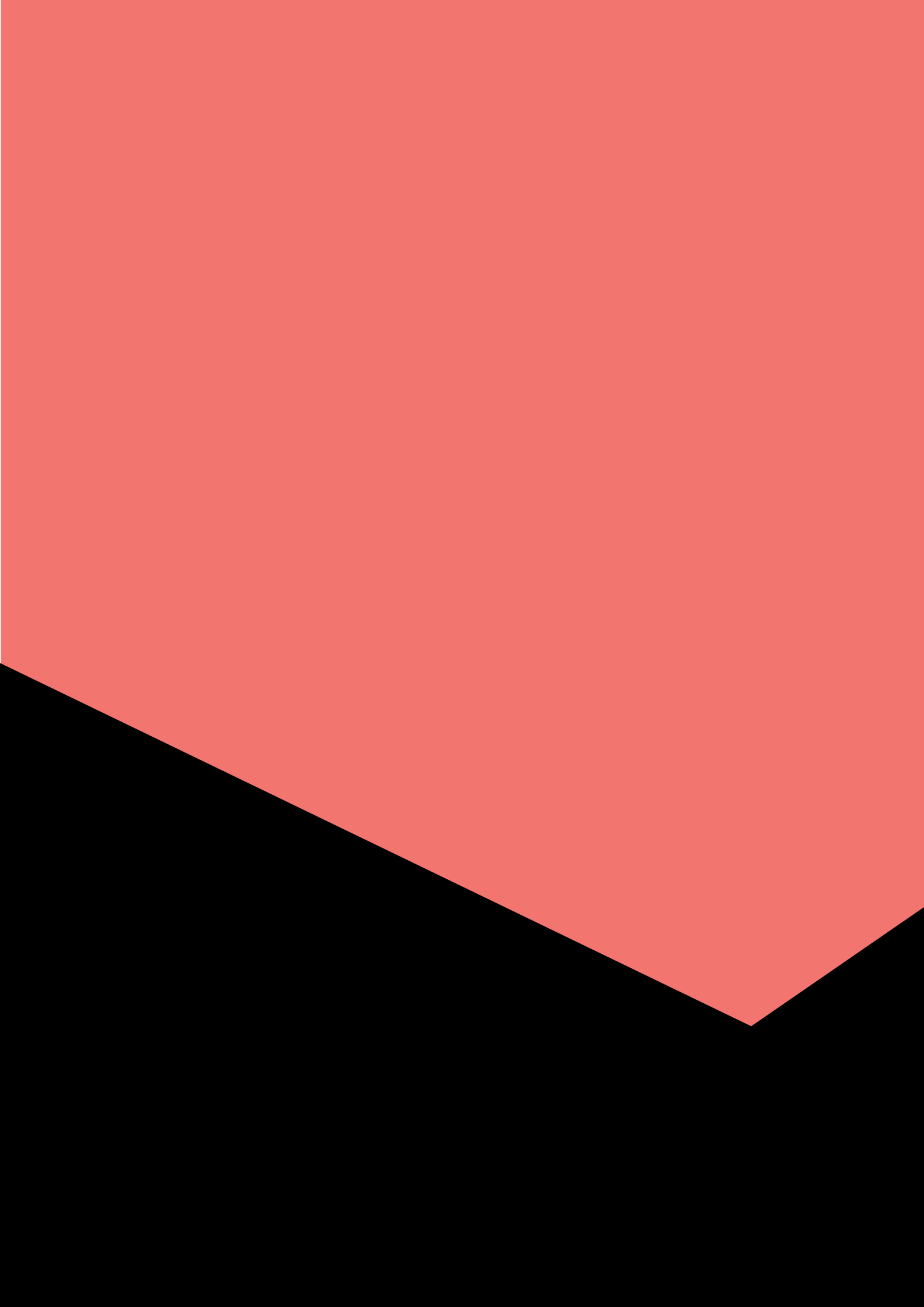
After the installation, the equipment, including any associated mounting plate, shall not be damaged.

1 Appearance



2 Indication LED Description

	With Fault No Fault	Solid orange Off		Enrollment	Flashing orange: Enrolling Green flashes 7 times: Enrolled
	Alarm Find Me Mode	Tampering Alarm: Solid red Event Alarm: Flashing red No Alarm: Off Flashing red		Signal Strength Power On	Flashing green: Strong Flashing orange: Medium Flashing red: Weak/Disconnect Solid green for 1 s
	Armed Disarmed	Solid blue Solid green		Back Light -The back light is on by default, you can set the On/Off schedule on the web client/APP of the control panel. -It turns off when there is no key operation for more than 10 s to 30 s (adjustable). -If the keypad is not enrolled to the control panel, the back light is off.	



5 Command

The keypad command is shown as follows. A short tag swiping (<3 s) is equal to a password.

Events		Codes	Notes
Arm	Away arm	Password/Tag + 	
	Stay arm	Password/Tag + 	
	Area away arm	Password/Tag + # + Area No. + 	
	Area stay arm	Password/Tag + # + Area No. + 	
Disarm	Disarm	Password/Tag + 	1. When the area is selected, the corresponding page will be displayed. 2. Duress passwords can be configured on the control panel.
	Area disarm	Password/Tag + # + Area No. + 	
	Duress password disarm	Duress password + 	
Silence	Silence	Password/Tag + (Hold ≥3 s) 	
Alarm	Fire alarm	(Hold ≥3 s) 	
	Panic alarm	(Hold ≥3 s) 	
	Medical alarm	(Hold ≥3 s) 	
Lock	Lock/Unlock keypad	Hold  (≥3 s) to lock the keypad for 60 s. Hold  (≥3 s) again or wait 60 s to unlock.	
Relay	Relay output	1. Password/Tag +  to enter the relay selection page 2. Use # to select/cancel the relay 3. Use  to confirm	
Settings	Settings	Password/Tag + 	Only the administrator and the installer have this permission.
Query	Query fault	1. Password/Tag +  2. Use # to confirm	Only the administrator and the installer and operators have this permission.
One-push Arm	One-push Arm	After enabled, the keypad can be armed with  or 	The one-push arming is configured on the web client or APP of the control panel. The one-push arming does not require area selection.
Delete	Backspace	(Short press)  Del	
	Delete all	(Hold ≥3 s)  Del	

Arming Process (Enabled/Disabled on Control Panel)

Pre-arming

Indication:

The keypad displays "Waiting for arming"
The fault LED turns solid orange

Fault Checking

Indication:

All faults of the control panel and the zones to be operated will be displayed. You need to use scroll keys to view all faults before next operation.

- Away arming: Confirm by 
- Stay arming: Confirm by 
- Cancel: 

The fault LED turns flashing orange

Exit Delay

Indication:

The keypad displays "Exit delay"
The arming LED turns flashing blue and the buzzer indicates exit delay.

Arm Directly

Press the  or  to arm the device.

Indication:

Armed: arming LED solid blue for 5 s. Buzzer beeps twice.
Arming failed: Buzzer beeps three time.

Cancel

Press the  to cancel the arming process.

Indication:

Armed: Buzzer beeps twice.
Arming failed: Buzzer beeps three time.

No Instant Operation

The count down is finished.

Indication:

Armed: arming LED solid blue for 5 s. Buzzer beeps twice.
Arming failed: Buzzer beeps three time.

Reset

Hold the **Tamper Switch** and turn on the power until the  LED flashes red 3 times.

Simple Mode

Arm

The keypad is **diarmed**.

A short tag swiping (<3 s) to away arm.

A long tag swiping (≥3 s) to stay arm.

Disarm

The keypad is **armed**.

A short tag swiping (<3 s) to disarm.

Note:

1. A single swiping interval needs to be longer than 3 s. Multiple swipings within 3 s count as one time.

2. Simple mode does not support arming process.

Settings

User Management: Add/Edit/Delete users.

Tag Management: Add/Edit/Delete tags.

Restore Alarm: Confirm alarm or restore tamper of the control panel. (Only when the control panel supports and enables PD6662. Only installer has this permission.)

Company/Telephone: Edit company name and telephone number.

Control Panel Lock/Unlock: One-push to lock or unlock the control panel. (Only installer has this permission.)

Bypass/Restore Bypass: Bypass/Restore bypass zones.

6 Specification

The keypad technical specification is shown as follows.

Model		WE Series	WB Series
RF	Wireless technology	Tri-X, two-way communication	
	RF frequency	868 MHz	433 MHz
	RF modulation	2GFSK	
	RF distance	1200 m (open area)	800 m (open area)
Interface	LED indicator	Fault (orange), enrollment/signal (red/green), arm (blue), disarm (green), alarm (red)	
	Buzzer	Supported	
	Power switch	Power on/off	
	Tamper-proof	Supported, front and rear	
	Serial port	3	
	Tag reader built-in	Supported	
	Numeric key	Number key: 0 to 9 Function key: *, #, query, away arm, stay arm, disarm, output, settings, right, left	
LCD Display	System fault display	Supported	
	System status display	Supported	
	Operation	Supported	
	Configuration	Supported	
Electrical & Battery	Power consumption	Quiescent current: 80 uA Max current: 300 mA Voltage: 3 V	
	Battery type	Four CR123 batteries	
	Battery life span	Standby time more than two years	
Other	Operation temperature	-10°C to 55°C	
	Operation humidity	10% to 90%	
	Color	White	
	Installation method	Wall-mounting	
	Dimension (W × H × D)	174.63 mm × 109.62 mm × 25.25 mm	
	Weight	With batteries: 348 g Without batteries: 282 g	