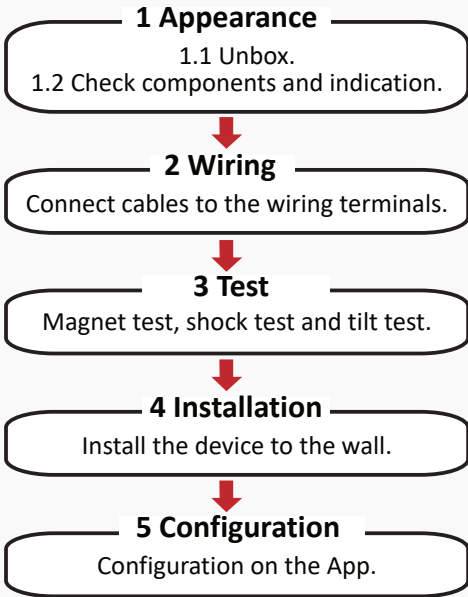


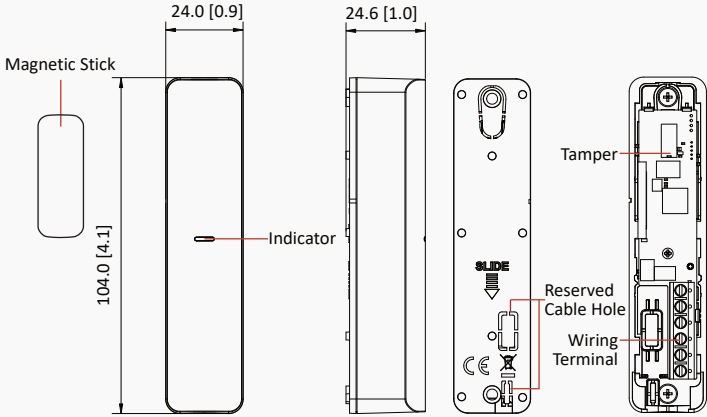
DS-PD540MCK
Bus Indoor Magnetic Contact
User Manual

EN 50131-1:2006+A1:2009+A2:2017+A3:2020
EN 50131-2-6:2008
EN 50131-2-8:2016
Security Grade 2, Environment Class II

User Manual Flow Chart



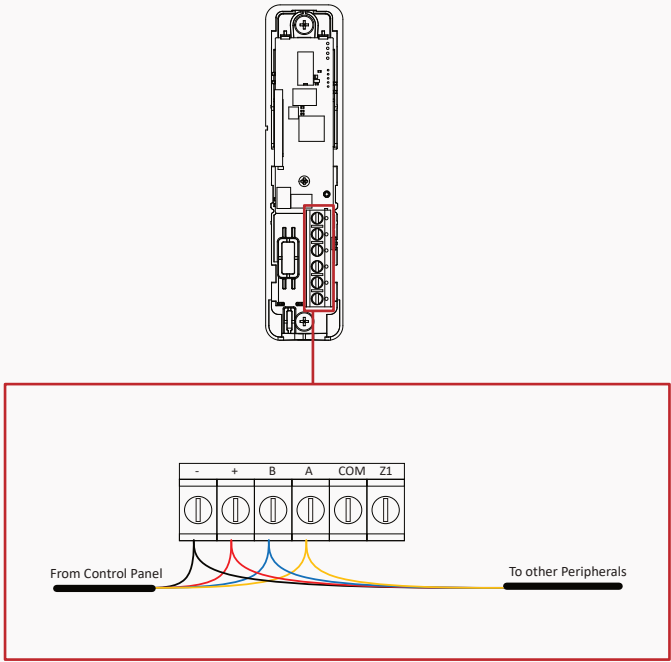
1 Appearance



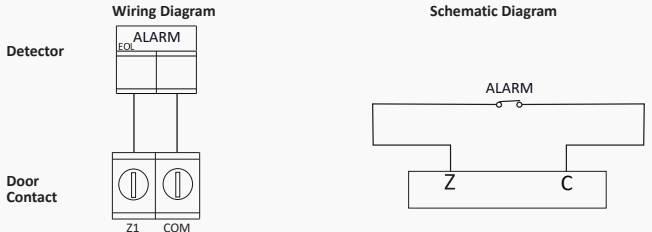
Indicator

Indicator	Indicator Status	Device Status
	Solid Red	- Magnetic Stick Far Away From Main Device (Magnetic Test Mode) - Tampering - Enrollment Failed
	Orange Flashes	- Waiting for Enrollment - Device Offline - Enrolling
	Green Light for 1 s	Power On
	Solid Green	Magnetic Stick Closing to Main Device (Magnetic Test Mode)
	Green and Blue Light for 1 Time	Magnetic Door Contact or Extended Zone Alarm Triggered
	Red and Blue Light for 1 Time	Shock Alarm
	Orange and Blue Light for 1 Time	Tilt Alarm
	Green Light Flashes	Find Me
	Blue Light for 2 Seconds	- Shock Detected (Shock Test Mode) - Tilt Deviation Detected (Tilt Test Mode)
	Off	Working Properly Enrolling Completed (No Exception Occurred)

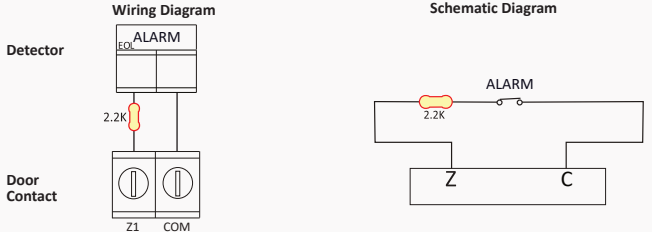
2 Wiring



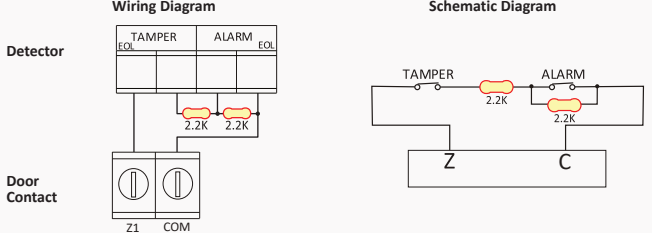
1 Non Resistor Wiring



2 Single EOL Wiring



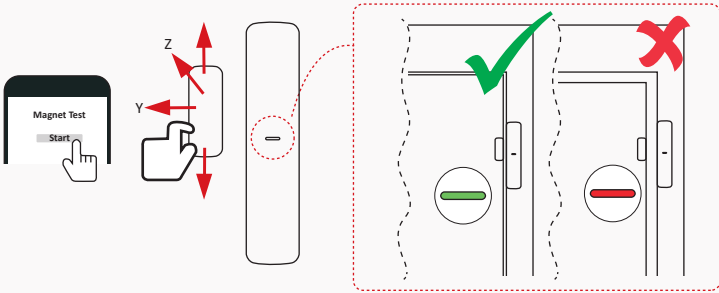
3 Double EOL Wiring



Note: The power source should be qualified and meet limited power source or PS2 requirements according to IEC 62368-1 standard.

3 Installation

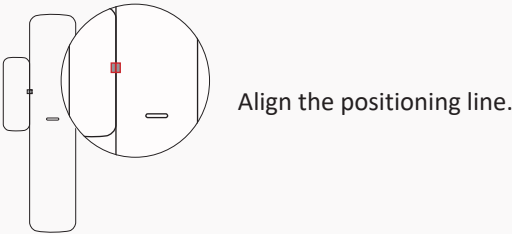
Magnet Test



Check if the installation position is properly.

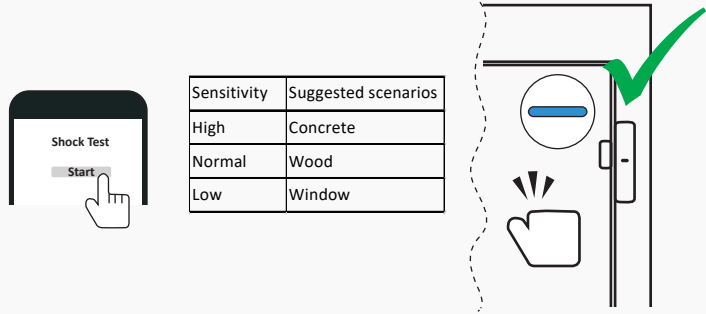
Detection Performance Table

Axes of Operation	Event	On non-ferromagnetic material surface	On ferromagnetic material surface
X+	Remove	13 mm	9 mm
	Approach	9 mm	8 mm
X-	Remove	11 mm	11 mm
	Approach	9 mm	10 mm
Y	Remove	39 mm	21 mm
	Approach	32 mm	19 mm
Z+	Remove	52 mm	20 mm
	Approach	46 mm	17 mm
Z-	Remove	46 mm	29 mm
	Approach	40 mm	25 mm



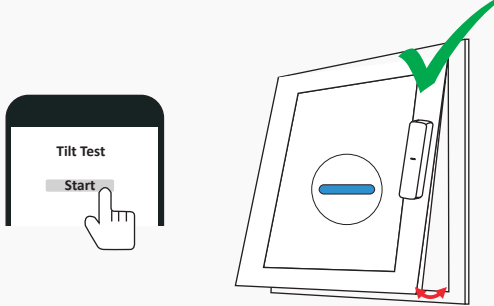
Shock Test

Knock the door. Adjust the sensitivity of the detector until the blue LED keeps blue for 2 s.



Tilt Test

Tilt the detector more than the set angle, until the LED keeps blue for 2 s. You can set the tilt angle (5° to 25°) in the mobile client software. **Note:** The tilt detection is only applicable to horizontal or vertical scenes. The tilt angle is perpendicular to the geocentric direction as the reference standard.



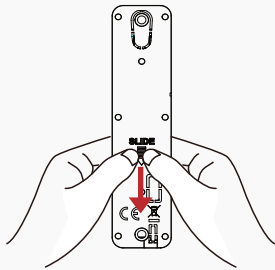
More Languages



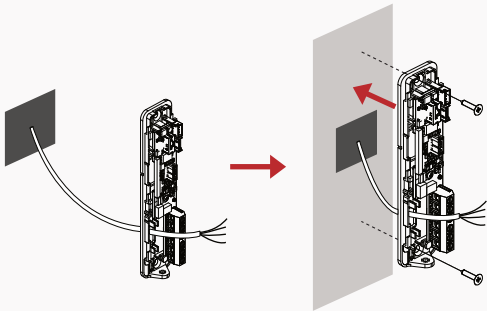
UD44438B-C

4 Installation

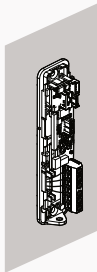
A Install with Mounting Plate



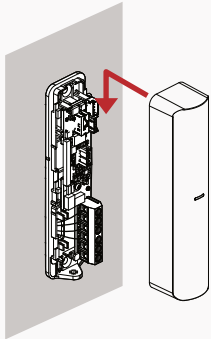
Step 1. Slide to disassemble the device. Remove the front panel.



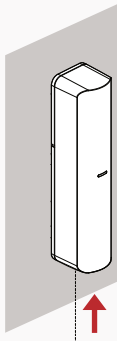
Step 2. Knock off the cable hole and thread the device with the cable from the wall. Then use 2 screws (KA3×25) to install the rear part on the wall.



Step 3. Wire the cables.
Note: For wiring details, see chapter 2.

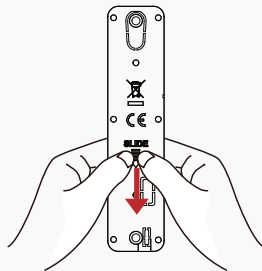


Step 4. Align the front panel with the rear panel. And slide the front panel down to fit properly.

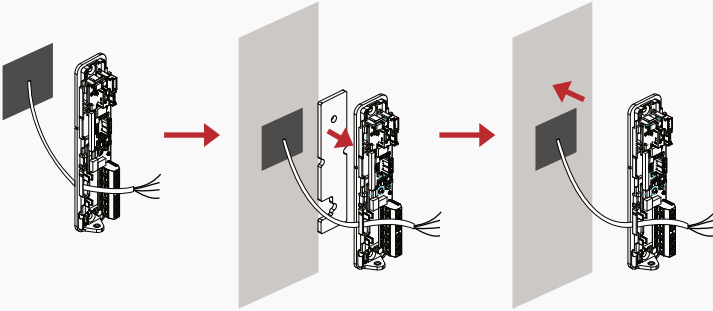


Step 5. Use 1 screw (PB3×6) to secure the front and rear panel.

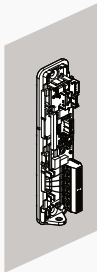
B Install with Sponge Tape



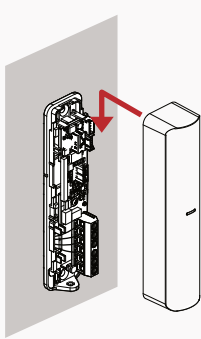
Step 1. Slide to disassemble the device. Remove the front panel.



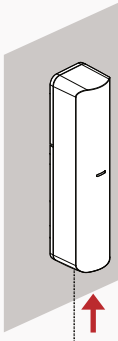
Step 2. Knock off the cable hole and thread the device with the cable from the wall. Stick the sponge tage to the back of the rear panel. And Stick the rear panel on the wall.



Step 3. Wire the cables.
Note: For wiring details, see chapter 2.



Step 4. Align the front panel with the rear panel. And slide the front panel down to fit properly.



Step 5. Use 1 screw (PB3×6) to secure the front and rear panel.

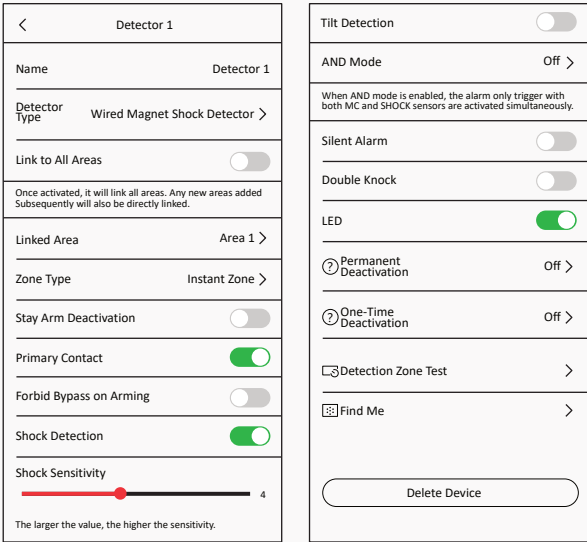
5 Configuration via App

After the peripherals are wired with BUS, they are enrolled on the control panel automatically. You can configure the peripherals' parameters on the App.

Step 1. Scan the QR code to download the mobile App.



Step 2. Tap the device on the device list page, and tap to configure device parameters.



Parameters	Descriptions
Name	Edit device name.
Detector Type	Select the detector type as Wired Magnet Shock Detector.
Link to All Areas	After enabled, it will link all areas. Any new areas added subsequently will also be linked.
Linked Areas	Select the area that the device is already linked.
Zone Type	View the device's belonged zone type.
Stay Arm Deactivation	After enabled, the zone will be automatically bypassed in stay arming mode.
Primary Contact	After enabled, when detect the contact is triggered, an alarm will be triggered.
Forbid Bypass on Arming	After enabled, you can not bypass zones when arming.
Shock Detection/Shock Sensitivity	After enabled, when detect a shock, an alarm will be triggered. You can set the shock sensitivity. The higher the number, the more easier to trigger an alarm.
Tilt Detection	After enabled, the device records the current position tilt as the reference tilt. When changes in the tilt of the device position, such as a window being lifted, etc., will trigger an alarm if the set threshold tilt is exceeded.
AND Mode	When AND mode is enable, an alarm will only be triggered when both MC and shock are detected.
Silent Alarm	After enabled, when an alarm is triggered, only the report will be uploaded and no sound is emitted.
Double Knock	After enabled, the time interval can be set. If the same detector is triggered twice or continuously in a period of time, the alarm will be triggered.
LED	You can select to enable/disable the LED function.
Permanent Deactivation	-Off: The deactivation function is not enabled. -Entirely: The device is permanently deactivated and will not notify about alarms or faults for one arming cycle.
One-Time Deactivation	-Off: The deactivation function is not enabled. -Entirely: The device is permanently deactivated and will not notify about alarms or faults.
Detection Zone Test	Simulate intrusions into the room from its doors, windows or other possible entrances to check if alarms can be triggered. The indicator will turn blue when an alarm is triggered.
Find Me	Tap Find Me and the device's indicator will flash or it will makes a sound.
Delete Device	Tap to delete the device.

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