HIKVISION

DS-PDP18-HM
Wired Double PIR Detector
User Manual

EN50131-2-2:2021
Security Grade 2
Environment Class IV

UD33808B-B

User Manual Flow Chart

1 Appearance
1.1 Unbox.
1.2 Check components.

→ **2 Installation**
2.1 Confirm environment.
2.2 Fix the device (Wall mounting/Bracket mounting).

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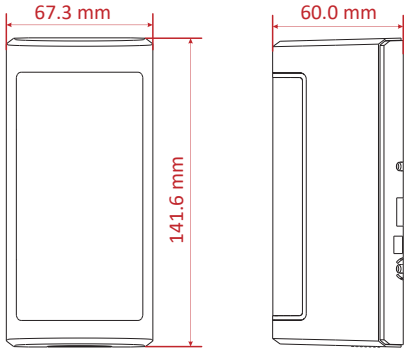
3 Connect to Control Panel
Select the wiring type and connect the detector to the control panel.

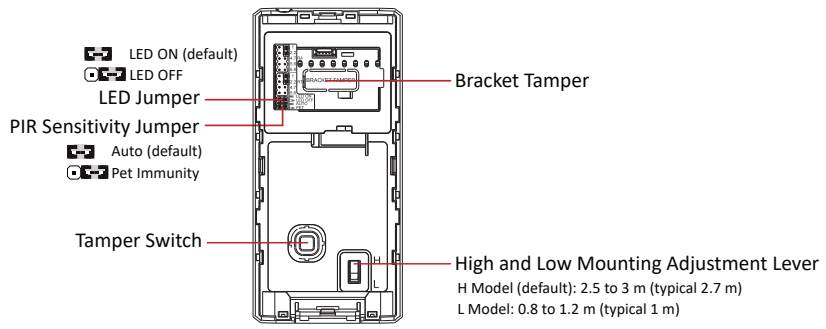
← **4 Power on**
Check the indicator, and the device is powered on.

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5 Detection Range
Check detection range in H and L mode.

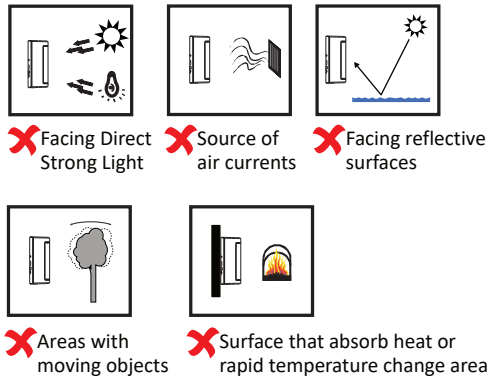
1 Appearance



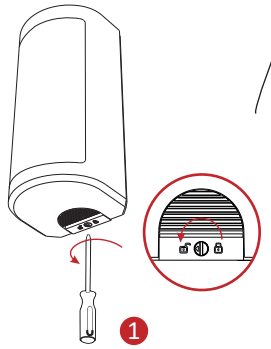


2 Installation

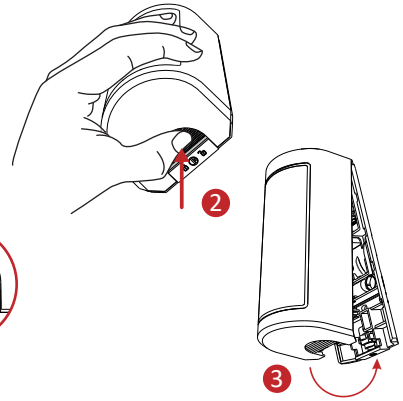
Installation Environment



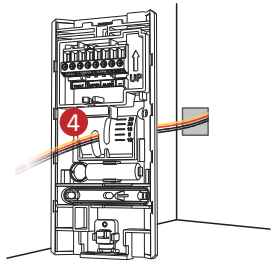
① Wall Mounting



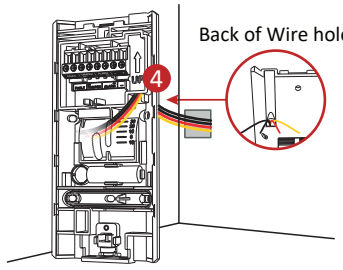
1. Adjust the knob to the unlock icon.



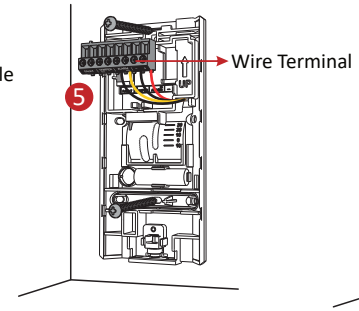
2. Press the button.
3. Remove the rear panel.



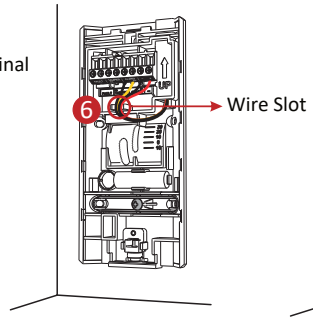
4. Method 1 (Recommended): Thread the cables through the middle wire hole on the rear panel.



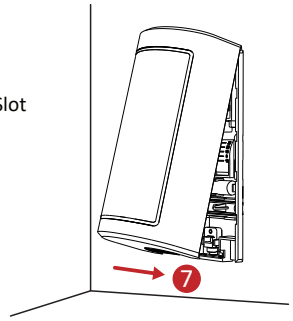
4. Method 2: Thread the cables through the wire hole on the rear panel.



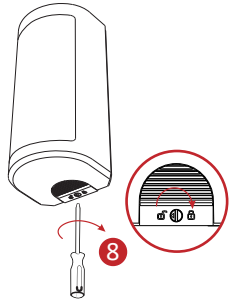
5. Fix the rear panel to the corresponding position on the wall with two screws. Remove the wiring terminal and finish wiring.



6. Install the wiring terminal back and fix the cables into the wire slot.



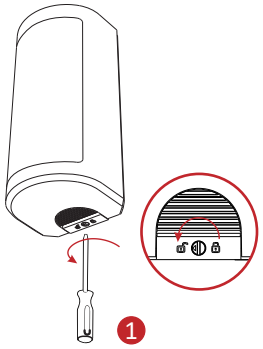
7. Adjust the high and low mounting adjustment lever, and Install the front panel.



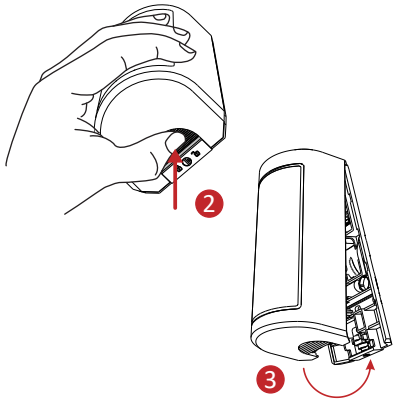
8. Adjust the knob to the lock icon.

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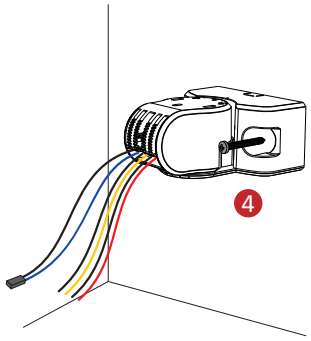
② Bracket Mounting



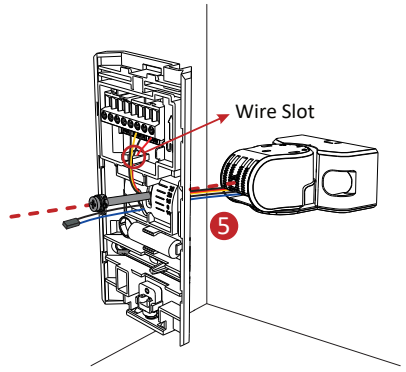
1. Adjust the knob to the unlock icon.



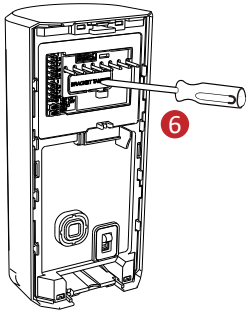
2. Press the button.
3. Remove the rear panel.



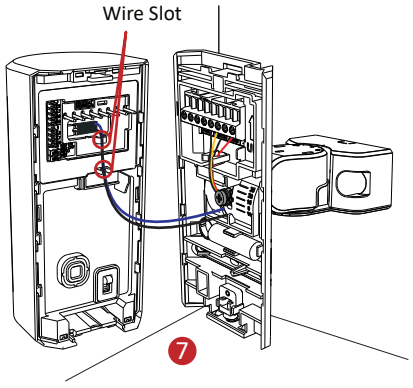
4. Install the bracket to the wall.



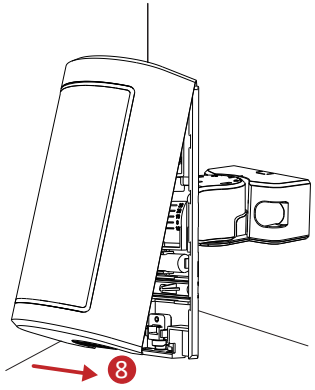
5. Install the wiring terminal back and fix the cables into the wire slot. Thread the tamper cable through the wire hole, and fix the rear panel to the bracket with one screw.



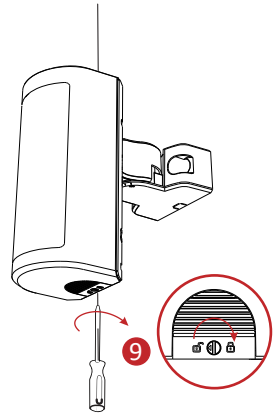
6. Remove the bracket tamper cover on the front panel.



7. Connect the tamper cable to the front panel, and fix the cable into the wire slot.



8. Adjust the high and low mounting adjustment lever, and install the front panel.

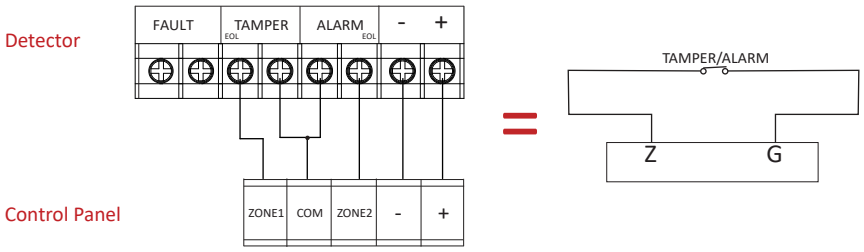


9. Adjust the knob to the lock icon.

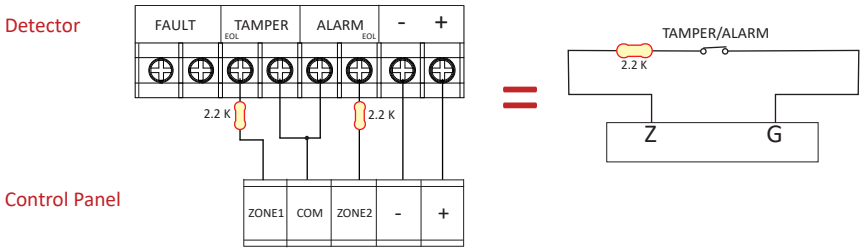
3 Connect to Control Panel

Note: The resistor needs to be connected to the end of detector.

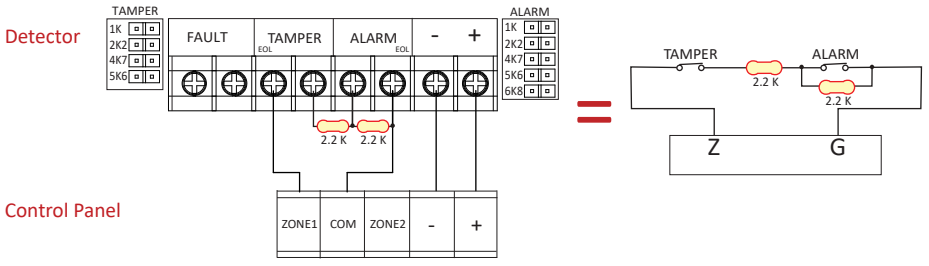
1 None Resistor Connection



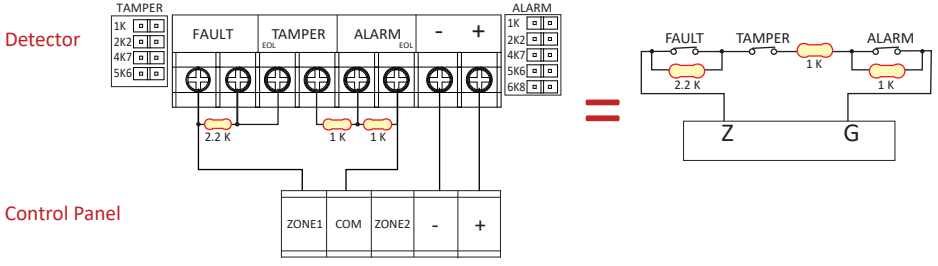
2 Single EOL Connection



3 Double EOL Connection

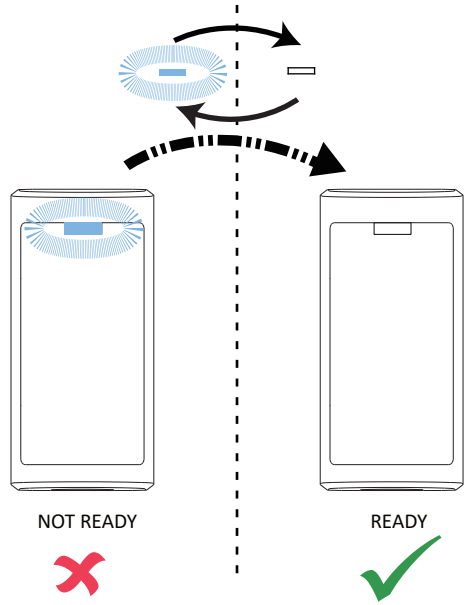


4 Triple EOL Connection



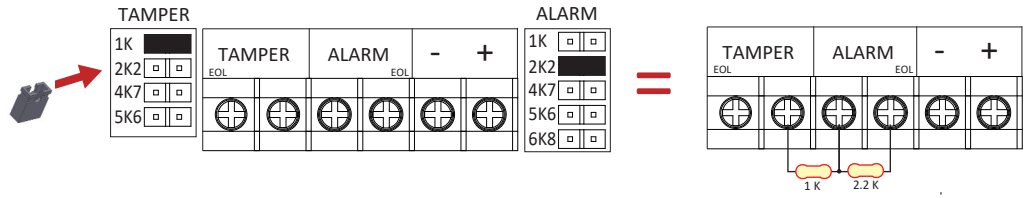
4 Power on

After powering on, the indicator flashes rapidly. Once the detector self test is completed, the LED indicator will go out until the detector detects movement.



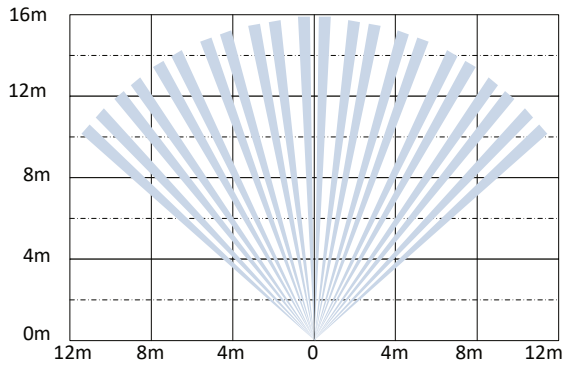
For double and triple EOL connection, the detector has two method for resistor wiring:
(1) Use jumpers to select the End of Line resistance (Control panel dependent) on the ALARM/TAMPER pins.
(2) Select an resistance (Control panel dependent), and add the resistor to ALARM/TAMPER wiring ports of the detector.
Please select one resistor wiring method according to the figure below.

Alarm: 1K, 2K2, 4K7, 5K6, 6K8
Tamper: 1K, 2K2, 4K7, 5K6



5 Detection Range

Top View



Side View

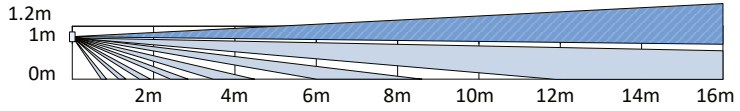
High Mounting

Recommended Installation Height and Angle

Mounting Height	Downtilt Angle	Detection Range
2.5 m	0°	3 m to 18 m
2.7 m	10°	3 m to 13 m
3.0 m	10°	3 m to 14 m

The detection range is measured at a detection ambient temperature of 23°C.
It is recommended that adjust the downtilt to meet the actual application scenario.
Increasing the downtilt will reduce blind spots in downward detection but sacrifice long-range detection performance.

Low Mounting



6 Specification

Detection performance	Detection method	Passive Infrared
	Detection range	18 m (16m EN certified)
	Detection angle	90°
	Detection zones	118
	Detectable speed	0.3 to 2 m/s
	Sensitivity	Auto, Pet
	White light filter	20000 lux
	Pet immunity	Up to 24 Kg
	Digital temperature compensation	Support
Feature	Digital processing	Support
	Sealed optics	Support
	Tamper protection	Front, Rear
Software features	End of line resistance	Alarm: 1K, 2K2, 4K7, 5K6, 6K8 Tamper: 1K, 2K2, 4K7, 5K6
Hardware features	Alarm output	Normally Closed
Interface	LED	Blue (Alarm), Orange (Fault)
Electrical characteristics	Power supply	9 to 16 VDC
	Typical voltage	12 VDC
	Power consumption	Maximum current: 15 mA @12 VDC Quiescent current: 8 mA@12 VDC
General	Operation temperature	-25 °C to 70 °C (-13 °F to 158 °F)
	Storage temperature	-25 °C to 70 °C (-13 °F to 158 °F)
	Operation humidity	10% to 90%
	IP rate	IP65
	Dimension (W x H x D)	67.3 × 142.0 × 60.0 mm
	Weight	226.3 g
	Mounting height	2.5 to 3 m High Mount 0.8 to 1.2 m Low Mount
	Mounting method	Wall
	Application scenario	Indoor, Outdoor