

HPB-10P-E

User Manual

Version 1.0

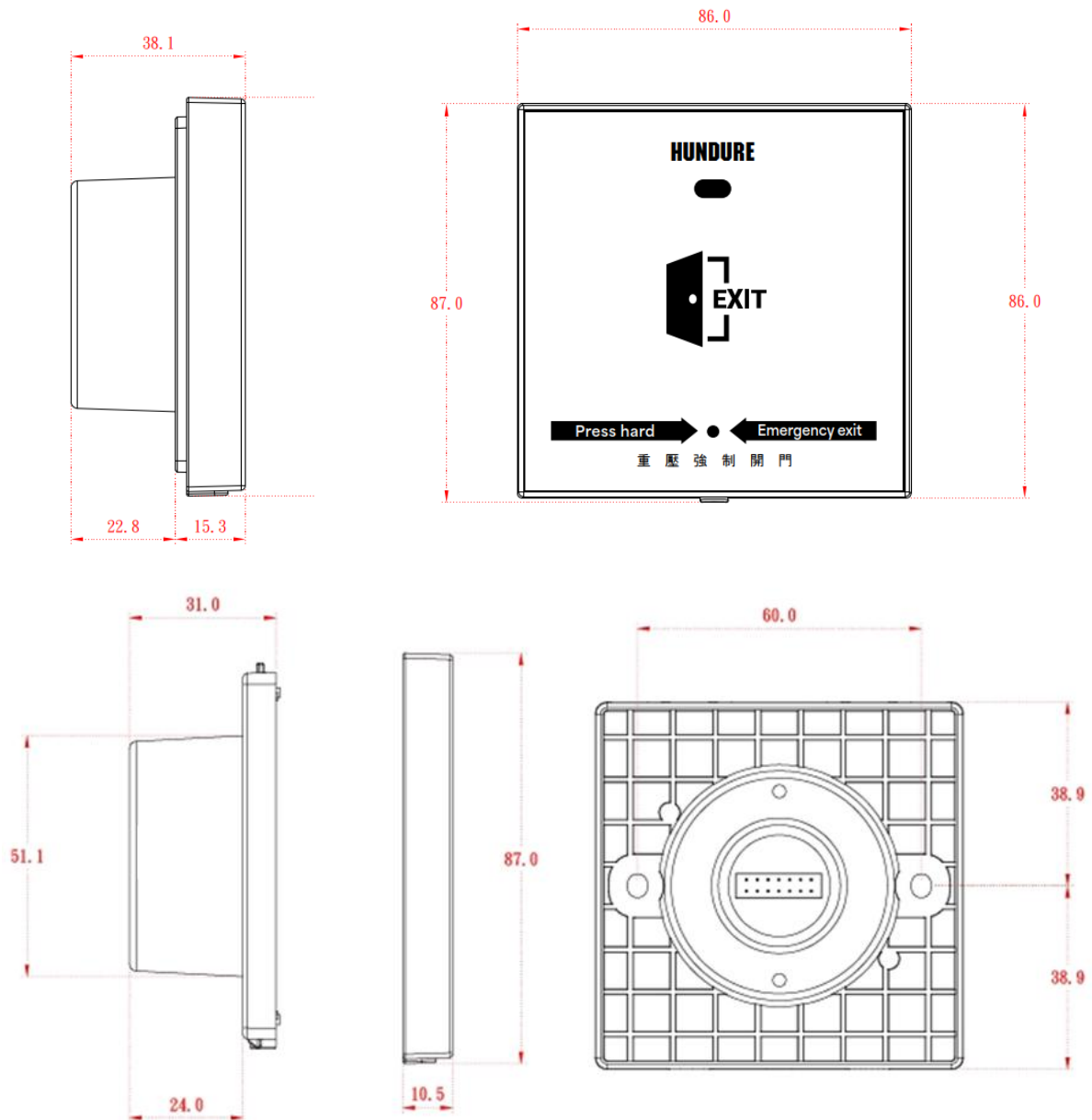
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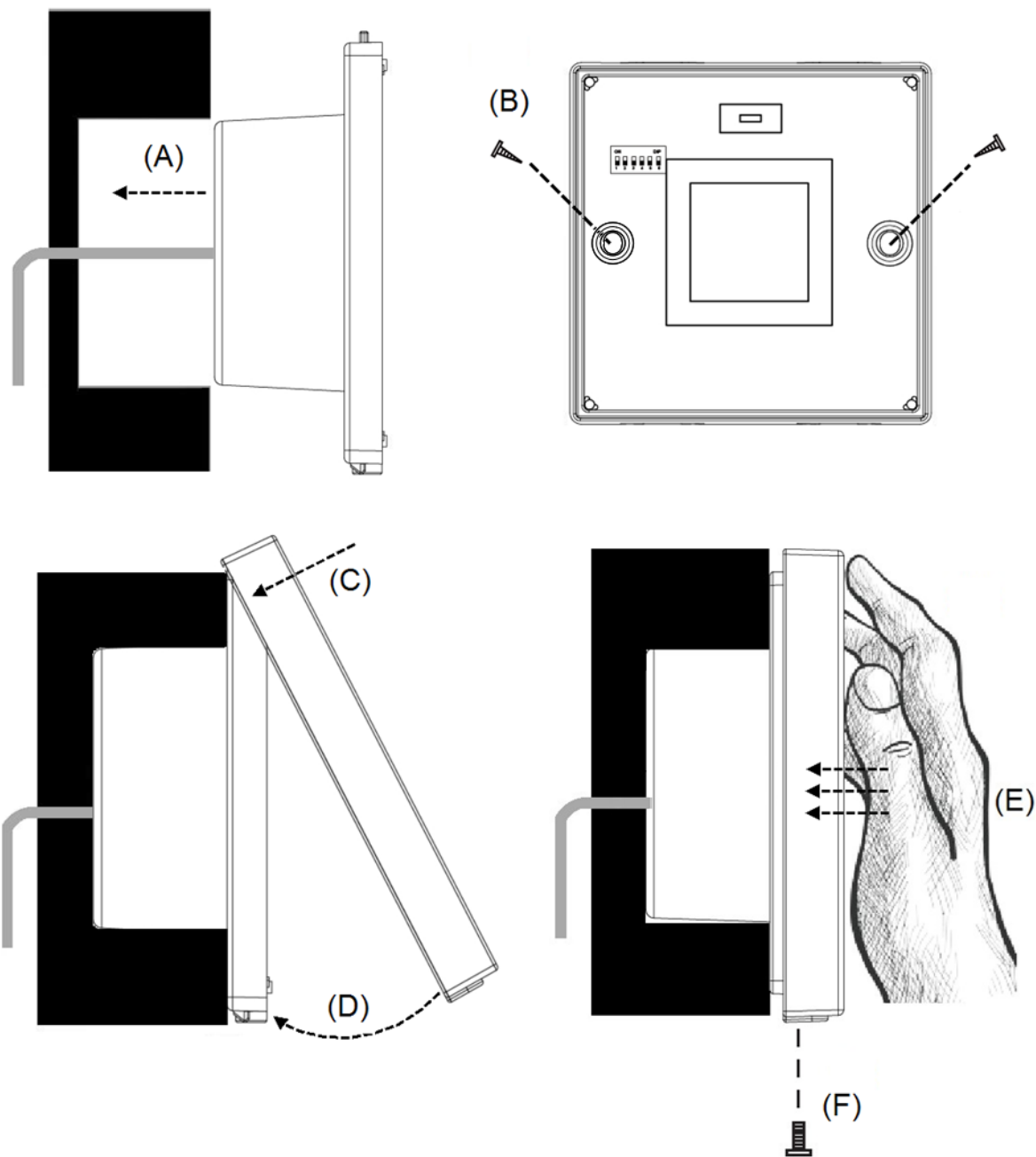
1. Package Contents

- HPB-10P-E 1 Set
- Part package 1 pcs, including cable X 1, screws X 3

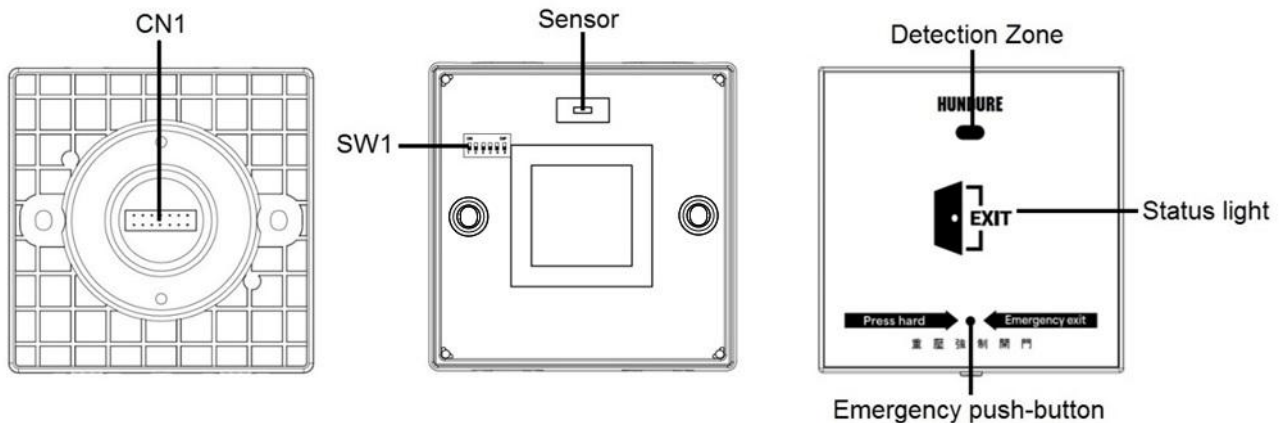
2. Physical Dimension



3. Installation



4. Wiring Connections



PIN	Wire color	Function	PIN	Wire color	Function
1	Red	DC+12V	2	Orange	Relay1_NO1
3	Black	GND	4	Brown	Relay1_COM1
5	Yellow	Relay2_NO2	6	Purple	Relay1_NC1
7	Blue	Relay2_COM2	8	White	DO 1(O.C)
9	Gray	Relay2_NC2	10	Green	DI 1+
11	Pink	N/A	12	Red & White	DI 1-
13	Orange & White	N/A	14	Gray & White	GND

CN1

- Standby mode: The blue light is on. When an object obstructs within the sensing distance, the light turns green, triggering the opening of the door (Relay 1).
- Emergency push-button function: When triggered, press firmly on the designated area with your hand (red light stays on) for over 1 second and emit two rapid beeps (red light flashes) to activate, preventing accidental activation.
- Both fire alarm and emergency push-button require immediate door opening (Relay 2) and can be connected to an external alarm (DO 1). Therefore, please use a power-off lock compatible with power-off door opening to ensure safe evacuation.
- DI 1 can be used for fire linkage and requires an additional power supply (below DC 32V). Connect "DI 1+" to the positive terminal and "DI 1-" to the negative terminal.

SW1

ID Switch	DIP 1	DIP 2
Normal mode	OFF	OFF
Detection distance setting (default 10cm)	ON	OFF
Door opening delay time setting (default 4 seconds)	OFF	ON
Fire alarm delay time setting (default 15 minutes)	ON	ON

ON=1, OFF=0



- **Set detection distance:**

To switch to the setting mode (DIP 1 ON and DIP 2 OFF), when the device emits one beep, approach the sensor detection point with a gesture. When the standby blue light goes out and the green light flashes once per second, place your hand at the desired distance. When the green light flashes for the third time and emits two rapid beeps, the setting is complete. (The position when the light flashes for the third time is set as the door opening distance.)

- **Set the door opening delay time:**

To switch to the setting mode (DIP 1 OFF and DIP 2 ON), when the device emits one beep, approach the Sensor detection point with gestures. The standby blue light will go out, and the green light will start flashing. The number of flashes of the green light corresponds to the set seconds. When the hand moves away from the Sensor detection point, two rapid beeps will sound, and the lights will turn off, indicating that the setting is complete.

- **Set the fire alarm delay reset time:**

To switch to the setting mode (DIP 1 ON and DIP 2 ON), when the device emits one beep, approach the Sensor detection point with gestures. The standby blue light will go out, and the green light will start flashing. The number of flashes of the green light corresponds to the set minutes. When the hand moves away from the Sensor detection point, two rapid beeps will sound, and the lights will turn off, indicating that the setting is complete.

Note: After each setting is completed, switch back to normal mode (DIP 1 and 2 OFF) to return to standby mode.

ID Switch	DIP 3	DIP 4
Automatic fire alarm (default).	OFF	OFF
Automatic fire alarm delay.	ON	OFF
Manual fire alarm reset.	OFF	ON

- Fire alarm reset has three modes: automatic / automatic delay / manual.

- Automatic: Fire alarm sensor reset triggers door reset; if pressure detection is triggered, it will also reset simultaneously.
- Automatic delay: After fire alarm sensor reset, door reset is delayed until the delay time expires; if pressure detection is triggered during this time, it

will also reset simultaneously. (Requires setting the fire alarm delay reset time)

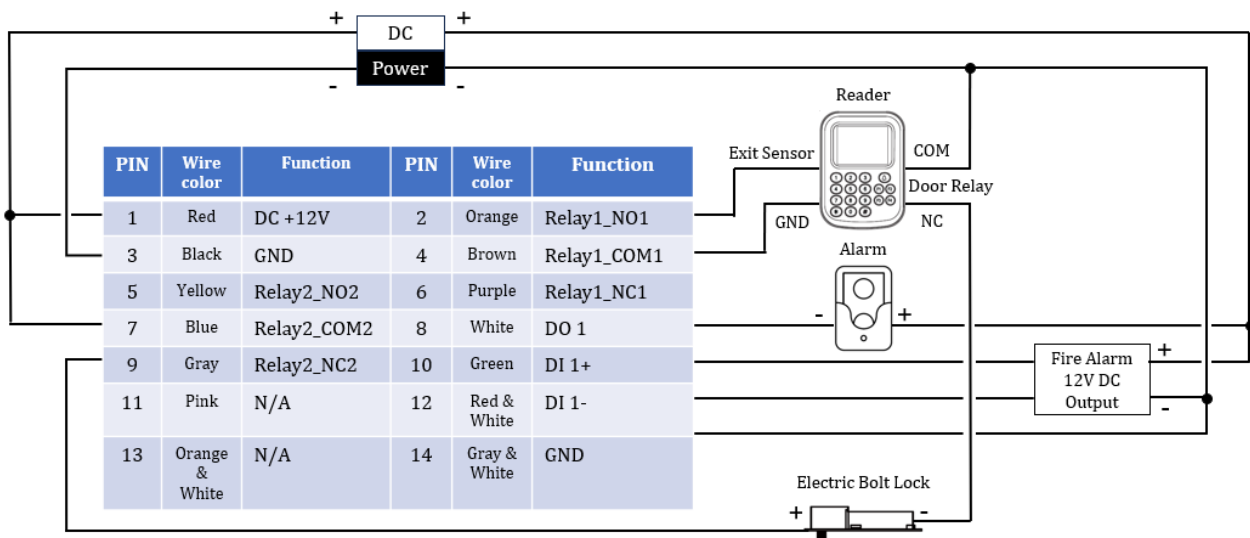
- Manual: Fire alarm sensor resets but the door remains locked; manual intervention is required on-site. Press the SOS button firmly for over 1 second and emit two rapid beeps to unlock manually.
- If pressure detection is triggered without a fire alarm, manual intervention is required to reset.

ID Switch	DIP 5
Specific gestures to extend the opening of the door	ON

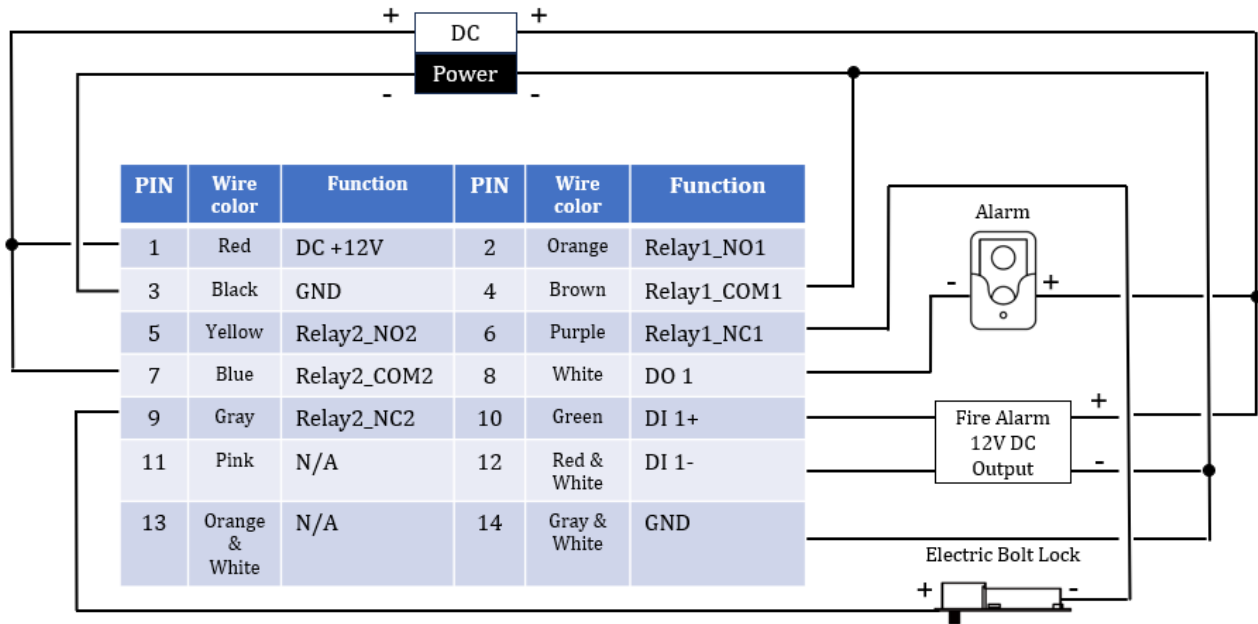
- For individuals with limited mobility: Extend the door opening time by 60 seconds. Wave your hand in front of the sensor area three times in a row. When the green light illuminates twice and emits two rapid beeps, the door opening time is successfully extended by 60 seconds (green light stays on). To cancel this extension prematurely, wave your hand near the door once.

ID Switch	DIP 6
Reserved	OFF

4.1 Compatible with access control system.

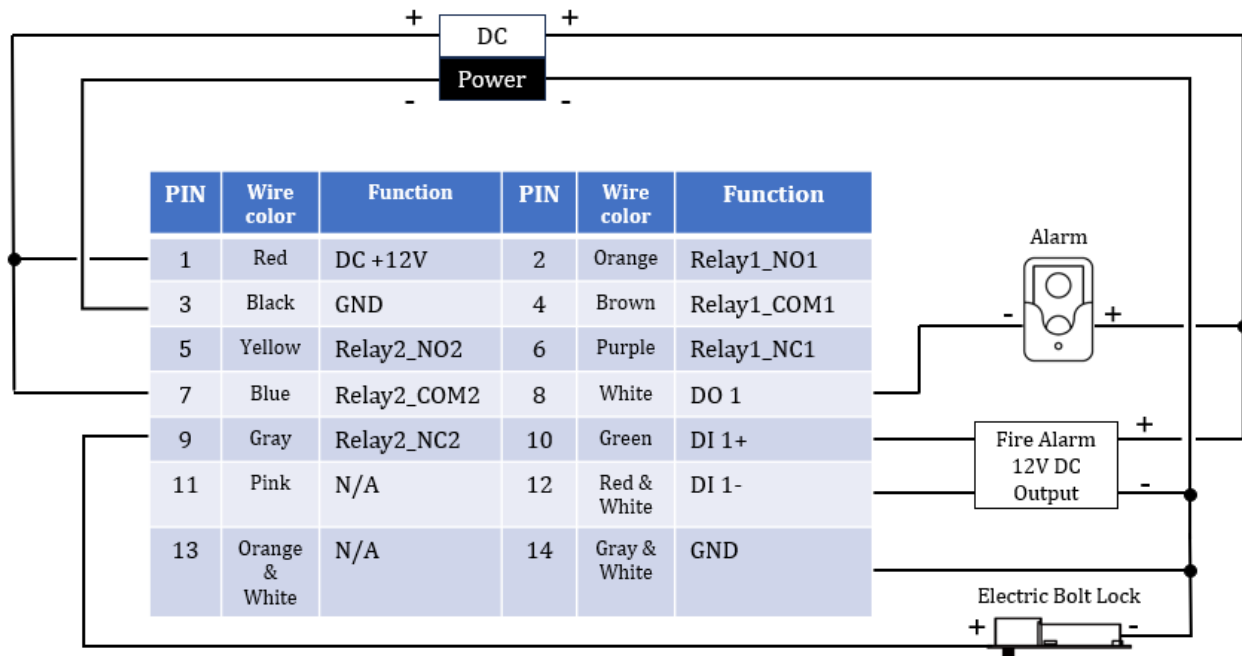


4.2 Compatible with electronic lock.



4.3 For emergency evacuation use only.

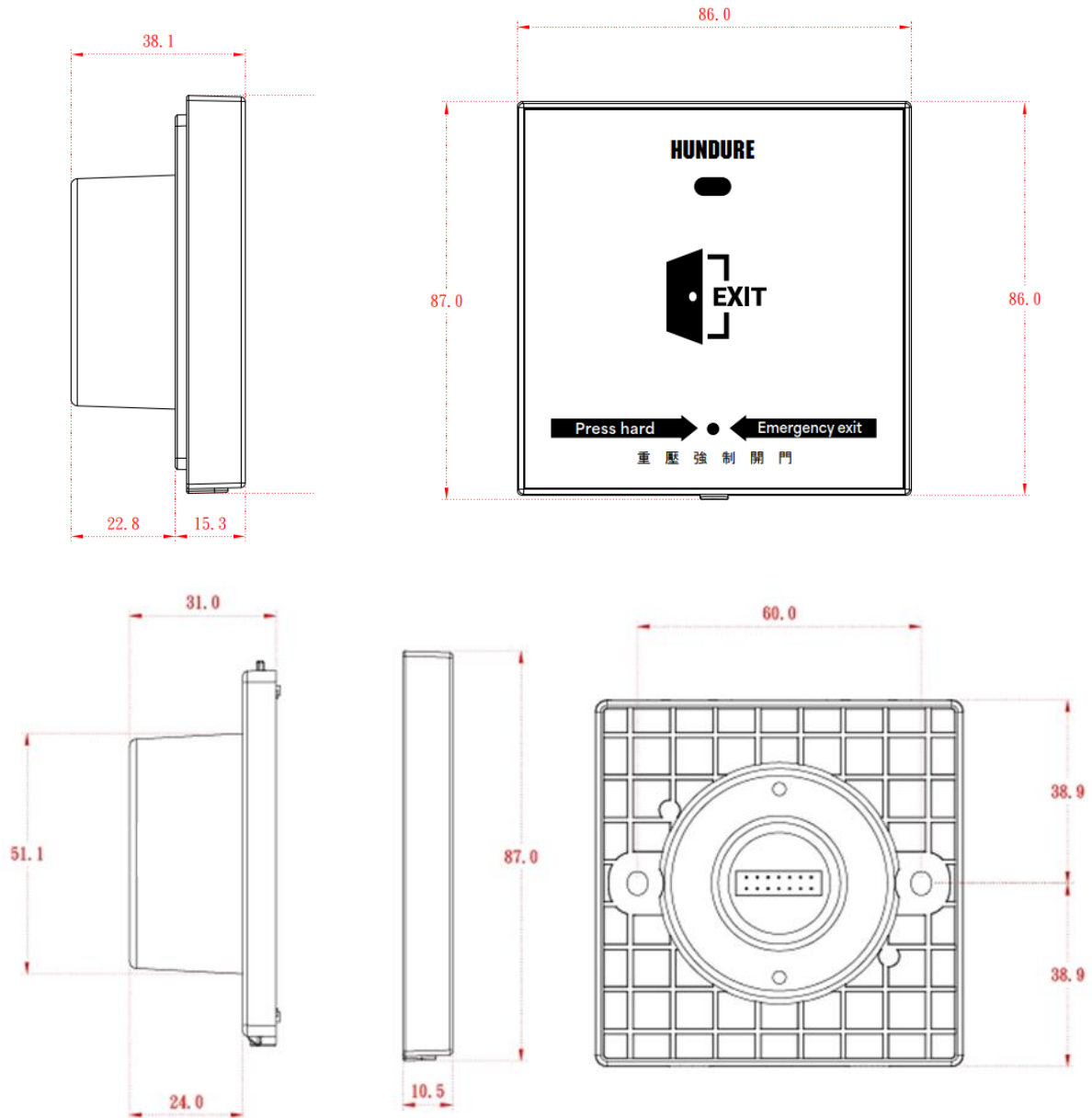
Please use a power-off door lock (NC), such as an anode lock/magnetic lock, to prevent being unable to open the door during power outages.



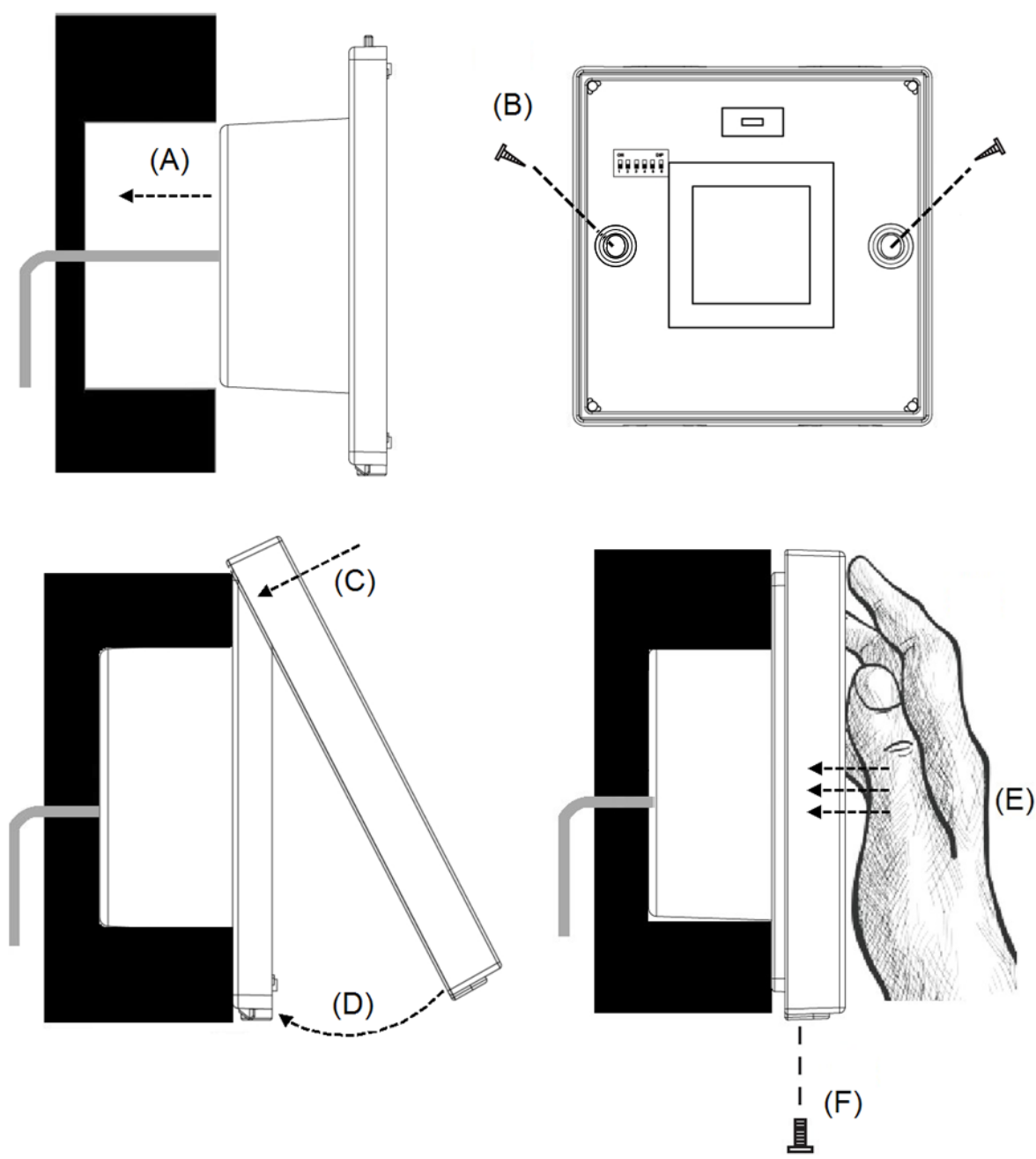
1.包裝說明

- 主機 1 台
- 零件包 1 包-傳輸線*1、螺絲*3

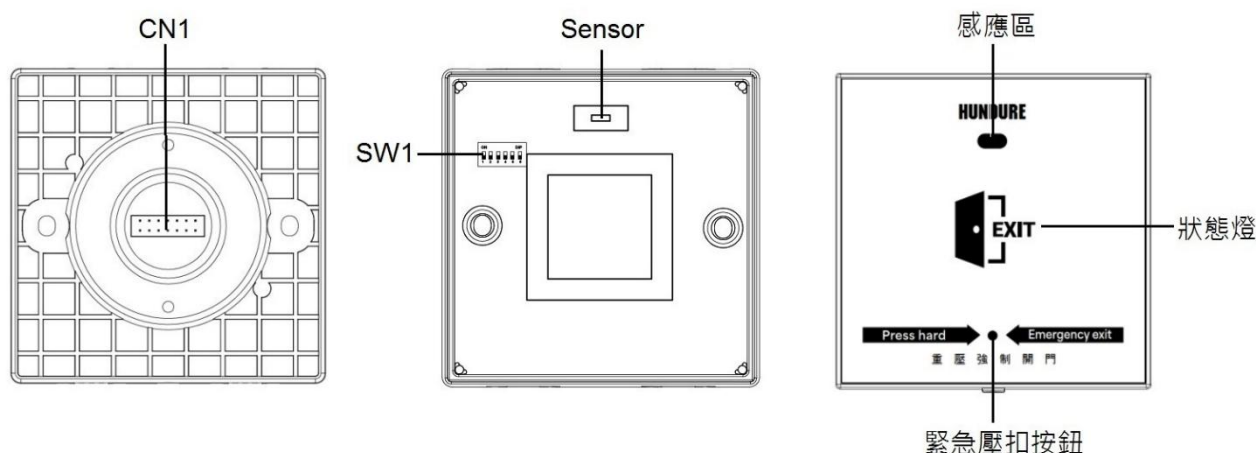
2.外觀尺寸



3.安裝



4.接線



CN1

PIN	線色	功能	PIN	線色	功能
1	紅	DC+12V	2	橙	Relay1_NO1
3	黑	GND	4	棕	Relay1_COM1
5	黃	Relay2_NO2	6	紫	Relay1_NC1
7	藍	Relay2_COM2	8	白	DO 1(O.C)
9	灰	Relay2_NC2	10	綠	DI 1+
11	粉紅	N/A	12	紅白	DI 1-
13	橙白	N/A	14	灰白	GND

- 待機亮藍燈，當感應距離內有物體遮蔽時則亮綠燈即開門(Relay 1)。
- 緊急壓扣功能，觸發時以手在指示區重壓(紅燈恆亮)持續 1 秒以上發出快嗶 2 聲(紅燈閃爍)即觸發，可避免誤動作。
- 火警及緊急壓扣皆需立即開門(Relay 2)且可外接警報器 O.C(DO 1),因此請搭配適用斷電開門的電鎖,以確保安全逃生。
- DI 1 可做消防連動，須外加電源(DC 32V 以下)，" DI 1+ "接正端，" DI 1- "接負端。

SW1

ID Switch	DIP 1	DIP 2
一般模式	OFF	OFF
感應距離設定(預設 10cm)	ON	OFF
開門延遲時間設定(預設 4 秒)	OFF	ON
火警延遲時間設定(預設 15 分)	ON	ON

ON=1, OFF=0



- 設定感應距離：
需切換設定模式(DIP 1 ON 與 DIP 2 OFF)，當裝置發出嗶 1 聲，以手勢靠近 Sensor 偵測點，待機藍燈滅、綠燈每秒閃爍 1 次，將手停在使用者要的距離，當綠燈第 3 次閃爍且發出快嗶 2 聲即設定完成。(以第三次閃燈時的位置為設定開門距離)
- 設定開門延遲時間：
需切換設定模式(DIP 1 OFF 與 DIP 2 ON)，當裝置發出嗶 1 聲，以手勢靠近 Sensor

偵測點，待機藍燈滅、綠燈閃爍，綠燈閃的次數即為設定的秒數，當手勢離開 Sensor 偵測點，且發出快嗶 2 聲、燈號熄滅即設定完成。

- 設定火警延遲復歸時間：

需切換設定模式(DIP 1 ON 與 DIP 2 ON)，當裝置發出嗶 1 聲，以手勢靠近 Sensor 偵測點，待機藍燈滅、綠燈閃爍，綠燈閃的次數即為設定的分鐘數，當手勢離開 Sensor 偵測點，且發出快嗶 2 聲、燈號熄滅即設定完成。

注意：每次設定完成之後，須切換回一般模式(DIP 1、2 為 OFF)，恢復待機狀態。

ID Switch	DIP 3	DIP 4
火警自動(預設)	OFF	OFF
火警自動延遲	ON	OFF
火警手動	OFF	ON

- 火警復歸具三種模式，自動/自動延遲/手動。

自動：火警 Sensor 復歸即門復歸，若壓力偵測有觸發，則一併復歸。

自動延遲：火警 Sensor 復歸後待延遲時間結束才門復歸，若壓力偵測有觸發則一併復歸。(需搭配設定火警延遲復歸時間)

手動：火警 Sensor 復歸但門仍不復歸，需至現場手動解除，以手在 SOS 重壓持續 1 秒以上且發生快嗶 2 聲即解除。

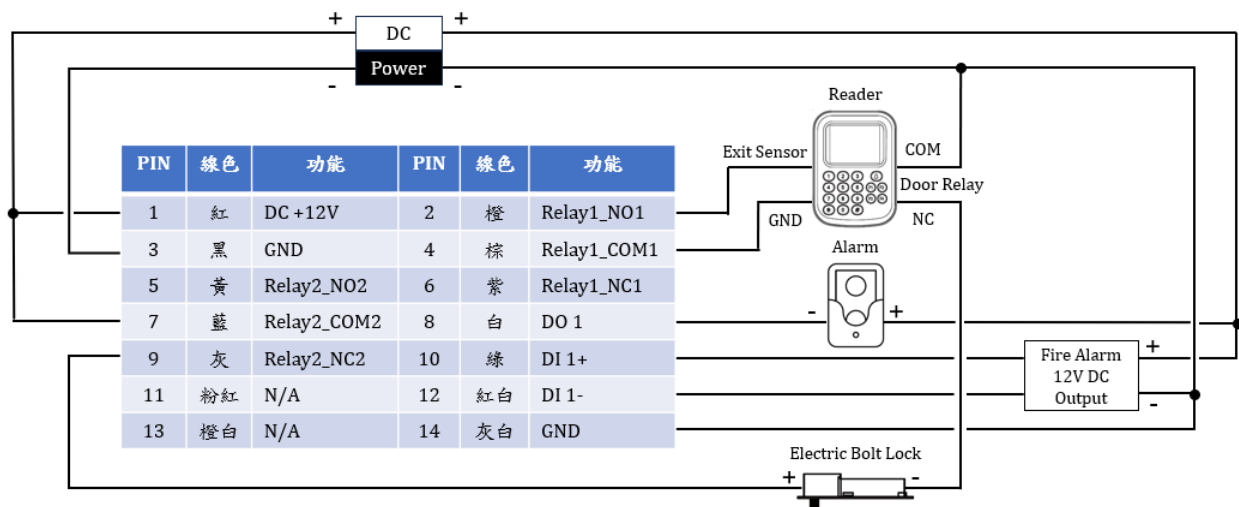
- 無火警但觸發壓力偵測時，請手動解除。

ID Switch	DIP 5
特定手勢延長開門	ON

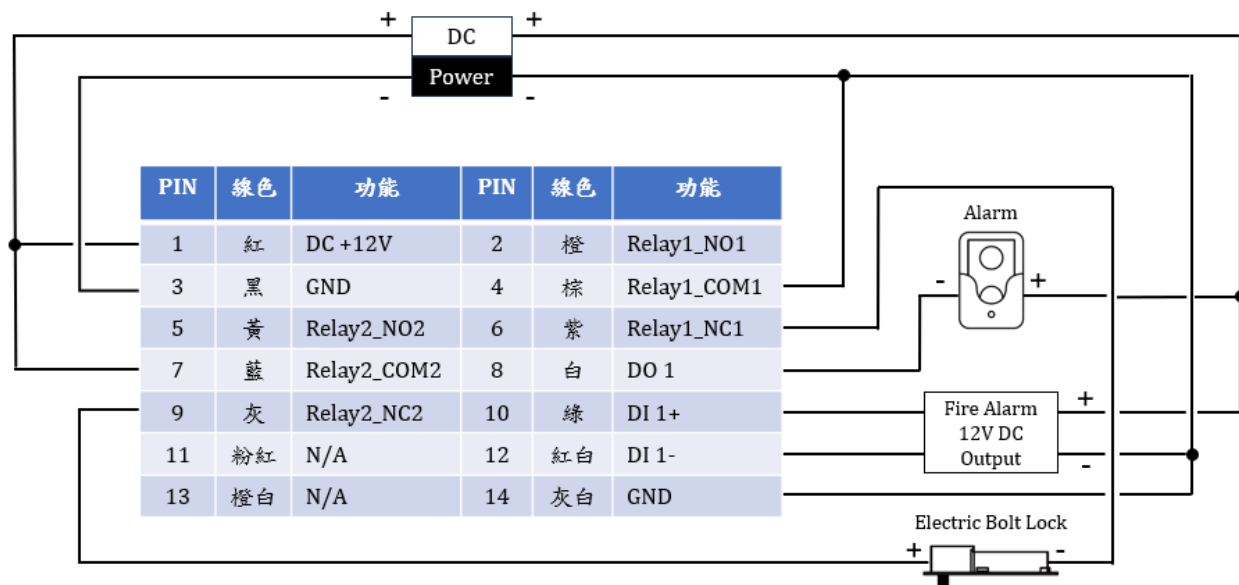
- 針對行動不便者，提供可延長開門時間 60 秒，請在感應區前面連續揮手 3 次，當綠燈亮 2 次並發出快嗶 2 聲即成功延長開門時間 60 秒(綠燈長亮)，在此期間要提前恢復，則以手靠近開門一次即恢復。

ID Switch	DIP 6
功能保留	OFF

4.1 搭配門禁機



4.2 搭配電子鎖



4.3 僅供緊急逃生使用

請使用斷電開門(NC)電鎖,如陽極鎖/磁力鎖,以免停電造成無法開門。

