## PP-360/N

**Pegasus**

# Access Controller
Operational Manual

Ver.14.1
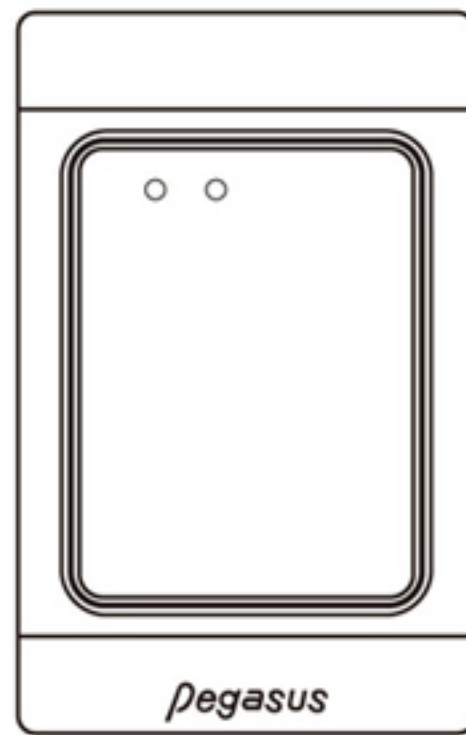
## Packing List
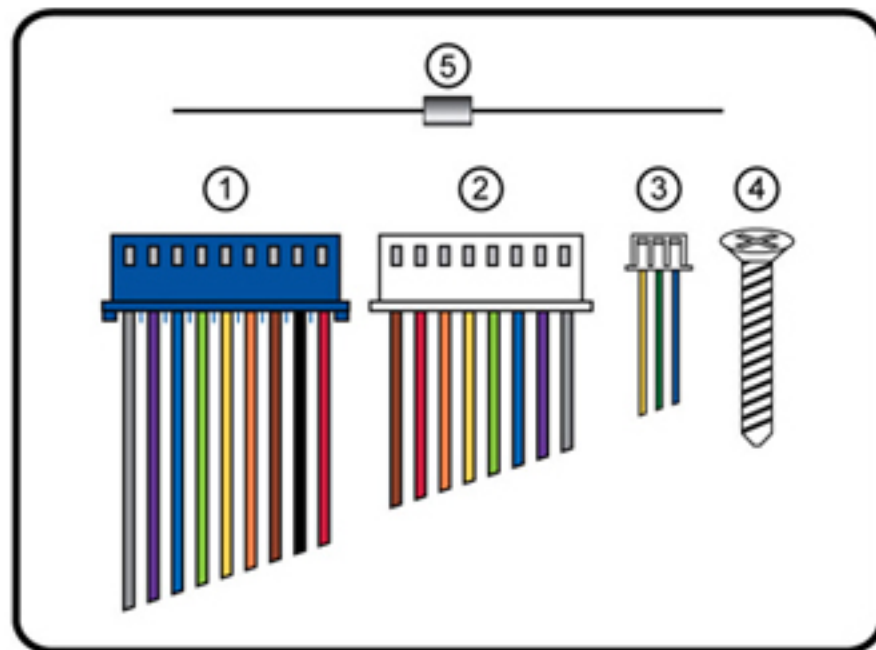


| DESCRIPTION | Q'TY |
|---|---|
| The system unit | 1 unit |
| ① 9 Pin connector (Blue) | 1 pcs |
| ② 8 Pin connector (White) | 1 pcs |
| ③ 3 Pin connector (White) | 1 pcs |
| ④ Screw | 2 pcs |
| ⑤ Free wheeling diode | 1 pcs |

## Features

1. Read 125 KHz proximity card with EM chip internally for standard model.

2. The system parameters are stored in non-volatile memory for 10 years data retention as power off without any external power supply.

3. *1000* card holders with 8 digits I.D. number by learning reads.

4. The door released time, door monitoring time could be freely programmed for 1 or 8 seconds.

5. With exit push button for exit or remote exit control.

6. Low power CMOS CPU with watch-dog function to assure best performance.
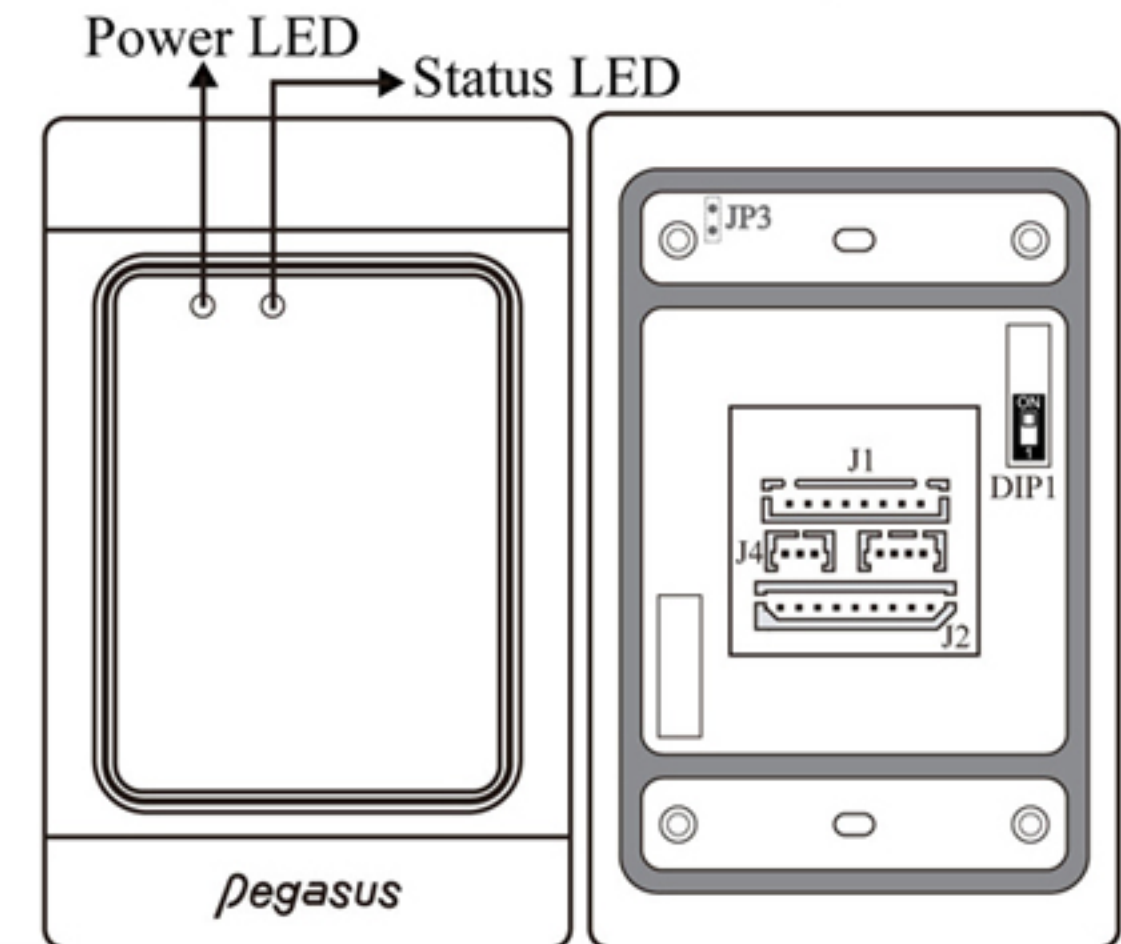
7. ABS case for easy indoor installation.

## Specification

| | |
|---|---|
| Dimensions | : 118(L) x 75(W) x 17(H)mm |
| Net weight | : 98g ± 5% |
| Power supply | : DC 12V±10% |
| | 40mA(Standby) / 70mA(Work) |
| Operating temperature | : 0°C ~ 70°C |
| Operating humidity | : 10%~90% |
| Card standard | : EM 125KHz |
| Waterproof | : Yes |

## Panel description / Bottom view

**JP3** — Short to system initialization
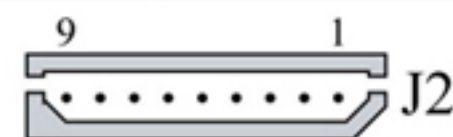
**DIP1** — For defining master card

**J1** — 8 pins connector for alarm output
**J2** — 9 pins connector for access port
**J4** — 3 pins connector for tamper switch output

## Wiring connectors and PIN assignment

**A. J2-9P Blue (For power input and access functions)**

| | | |
|---|---|---|
| 1 (Red) | Power "+" | +12V DC input |
| 2 (Black) | Power "-" | GND |
| 3 (Brown) | COM. | Relay A （COM.） |
| 4 (Orange) | N.O. | Relay A （N.O.） |
| 5 (Yellow) | N.C. | Relay A （N.C.） |
| 6 (Green) | | Exit push button |
| 7 (Blue) | | Door Monitor |
| 8 (Purple) | | Security sensor |
| 9 (Gray) | | X |



**B. J1-8P White (For alarm output)**

| | |
|---|---|
| A (Brown) | --- |
| B (Red) | --- |
| C (Orange) | --- |
| D (Yellow) | --- |
| E (Green) | Alam output in dry contact (COM.) |
| F (Blue) | Alam output in dry contact (N.O.) |
| G (Purple) | --- |
| H (Gray) | --- |

J4
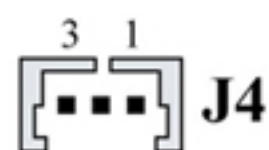
## C. J4-3P White (For tamper switch output)
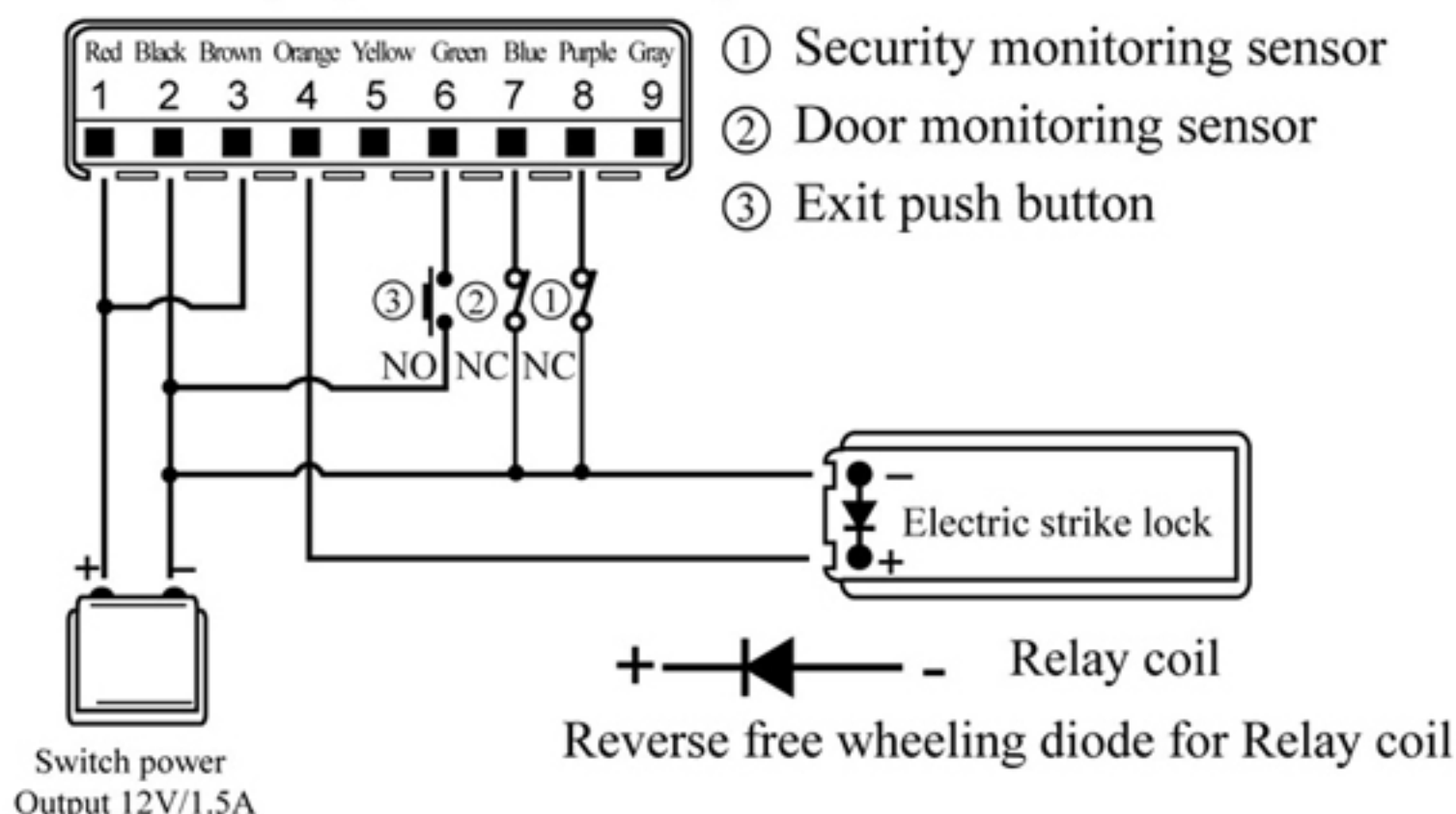
1 (Yellow) ⟶ (COM.)
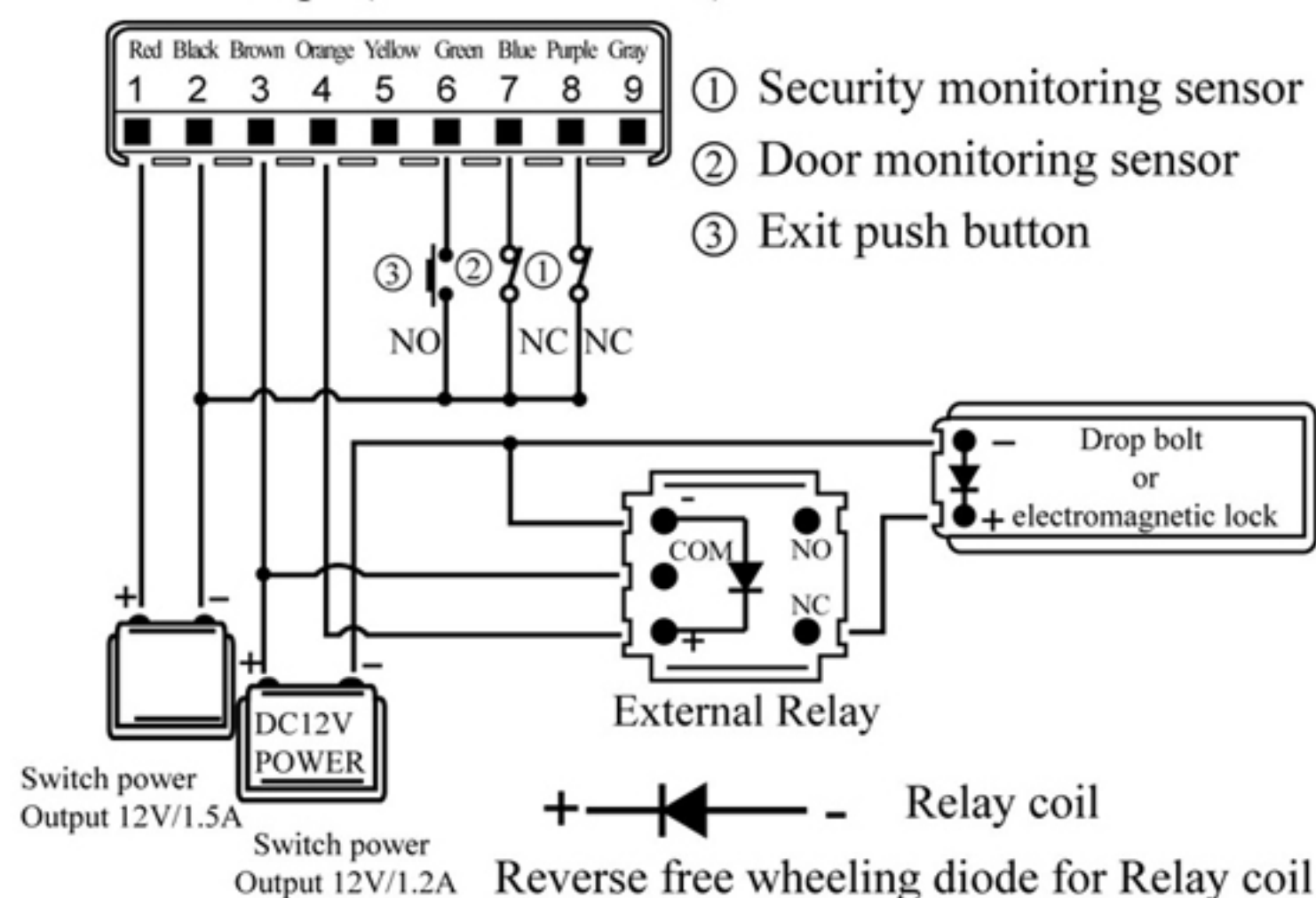2 (Green) ⟶ (N.C.)
3 (Blue) ⟶ (N.O.)

## *Wiring example*     6

### 1.Wiring connection with external relay and power supply (such as electric strike lock)

J2-9 blue pin(For access control)



① Security monitoring sensor
② Door monitoring sensor
③ Exit push button

Electric strike lock

Relay coil

Reverse free wheeling diode for Relay coil

Switch power
Output 12V/1.5A

### 2.Wiring connection with external relay and power supply for heavy load locks (such as magnetic lock or drop bolt type lock)

J2-9 blue pin(For access control)



① Security monitoring sensor
② Door monitoring sensor
③ Exit push button

Drop bolt
or
electromagnetic lock

External Relay

Switch power
Output 12V/1.5A

Switch power
Output 12V/1.2A

Relay coil

Reverse free wheeling diode for Relay coil

## *Instruction for card reading*     7

### 1.How to define Master card ?

1.A. Dial the **DIP1** switch to **ON**.
1.B. Approach one of proximity card to the reader as Master card.
1.C. The buzzer beeps and status LED in **green** color.
1.D. **Turn off** the **DIP1** switch to normal operation state. (Buzzer stop then status LED in **orange** color)

### 2.How to add user card?

2.A. Approach the Master card to the reader.
2.B. The buzzer beeps and the status LED flashes in **red/green** color. **(Each user card flash once)**
2.C. Approach the proximity cards which you want to add it to the reader one by one.

2.D. After adding the cards completely, please approach the Master card to the reader again.

### 3. How to delete user card?

3.A. Approach the Master card to the reader **twice**.
3.B. The buzzer beeps **twice** and the status LED flashes in **red/green** color.
3.C. Approach the proximity cards which you want to delete it to the reader one by one.
3.D. After deleting the cards completely, please approach the Master card to the reader again.
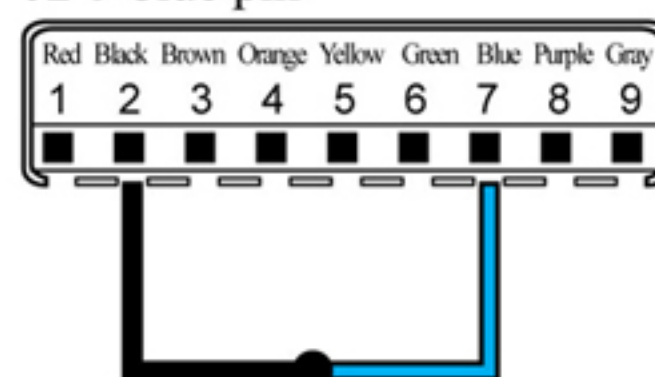3.E. The reader beeps error sounds(3 beeps) to end the procedure.

### 4. How to set door released time?
**(Default value by initialization is 5 sec.)**

**Default status is door monitoring status.**
Please connect the J2-9 blue pin connector **blue** wires with **black** wires (GND) as blow. It means close the door monitoring function and can set door release time.

J2-9 blue pin



4.A. Master card approach to the reader **three times**, then the door release time are changed to **10 sec.**
4.B. Master card approach to the reader **three times again**, then the door release status are **normal open(green LED) /normal close (red LED).**
4.C. Master card approach to the reader **three times again**, then the door release time are changed to **1 sec.**
4.D. Master card approach to the reader **three times again**, then the door release time are back to **5 sec**. (initial default value)
4.E. Use method of door release time is the cycle (approach to the reader three times once) - 5 sec. to 10 sec. to NO/NC to 1 sec. to 5 sec.

### 5. How to delete all of user cards?

5.A. Approach the Master card to the reader **four** times.
5.B. The buzzer beeps and the status LED flashes in **red/green** color.
5.C. All of user cards and Master card will be deleted, and the status LED will form **green** to **red** color. After **red** LED status, deleted card status is done.
**(Not more than 2 sec. between triple and fourth time.)**

※ In this controller, master card can not be deleted and just only create one master card.