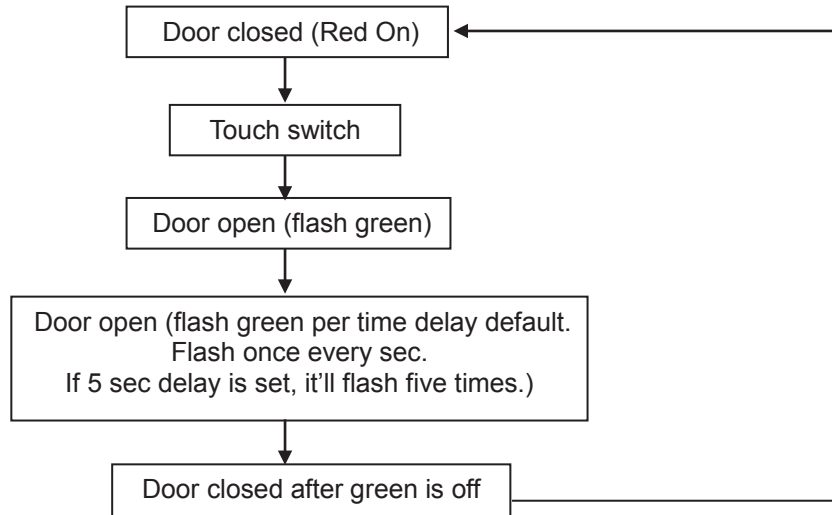## Programming Manual

Ⓐ Normal Mode

In locked status：light in red (default in red)

Operating:

Door closed (Red On) → Touch the switch → door is open and light flashes green
(time delay adjustable by Software Settings or dip switch. Flash once every second.)
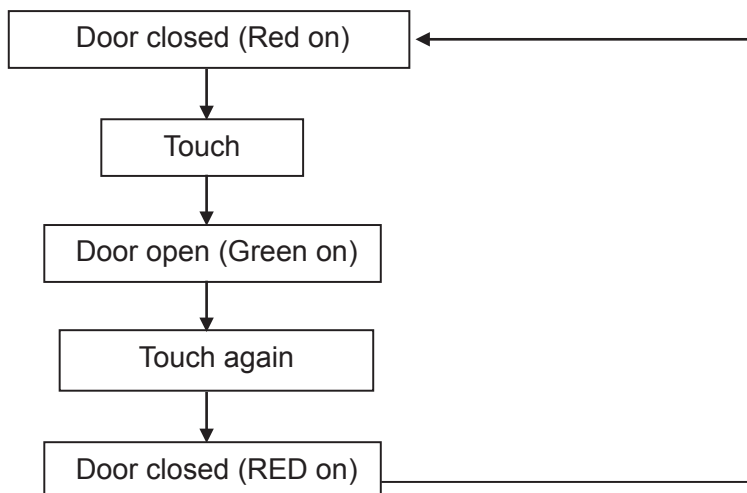→ door is closed (light in red, door is locked)

```
        Door closed (Red On)  ◄────────┐
                 │                      │
                 ▼                      │
          Touch switch                  │
                 │                      │
                 ▼                      │
        Door open (flash green)         │
                 │                      │
                 ▼                      │
   Door open (flash green per time      │
   delay default. Flash once every      │
   sec. If 5 sec delay is set, it'll    │
   flash five times.)                   │
                 │                      │
                 ▼                      │
   Door closed after green is off ──────┘
```

Ⓑ Not Regression Mode (Switch 1.2.3PIN of dip switch to ON)

In locked status: light in red (default in red)

Operating:

Door closed (Red On) → Touch switch → Door open→ Green on
Door closed (Red On) → Touch switch → Door closed (Red on, back to locked status.)

```
       Door closed (Red on)  ◄────────┐
                │                      │
                ▼                      │
              Touch                    │
                │                      │
                ▼                      │
       Door open (Green on)            │
                │                      │
                ▼                      │
           Touch again                 │
                │                      │
                ▼                      │
       Door closed (RED on) ───────────┘
```

Notes：

a. Door is locked: Red on (default to red, Set by the user in accordance with the DIP switch or software selection changes.)

b. If the default light has been changed, the light will be accordingly changed.

c. LED Display Description:

 In Normal mode:

 - Red on: door is closed.

- Flash green (once/sec): in open status

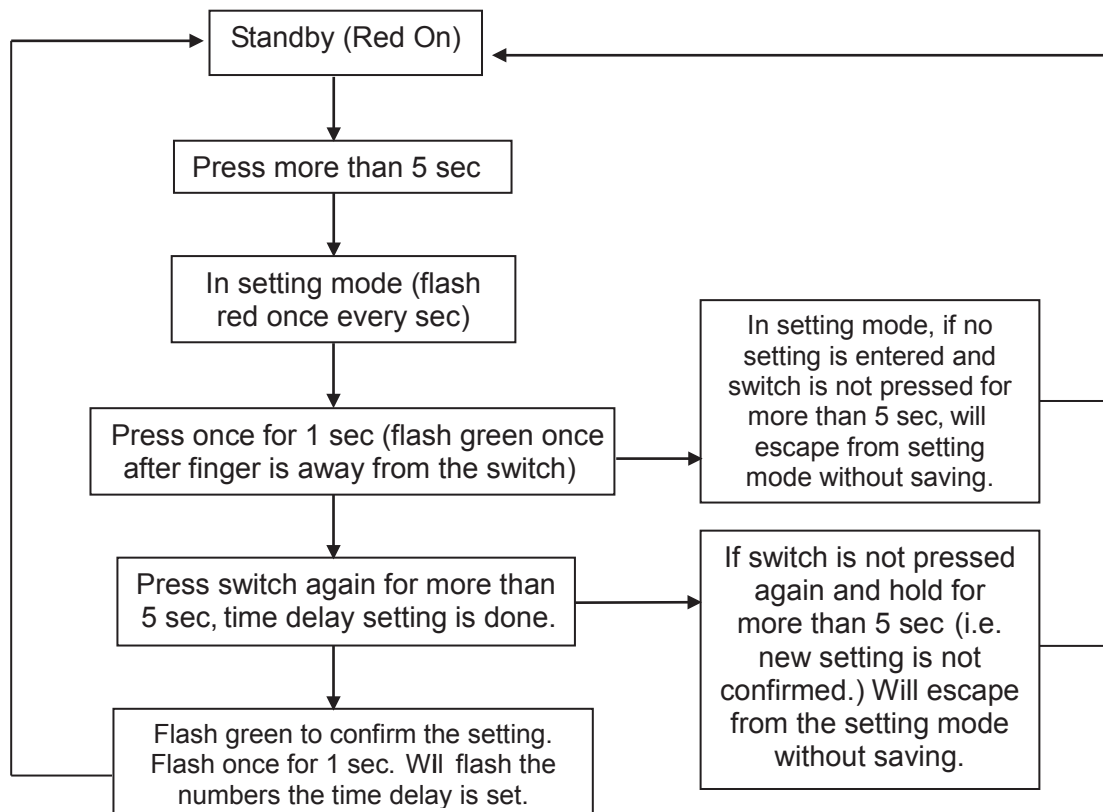**In Not Regression mode:**
- Red on: door is closed.
- Green on: in open status

Ⓒ **Timer Setting** (default in Red, Setting Mode)

Standby (Red On) → press the switch more than 5 sec → into setting mode (flash red) → touch the switch once, flash in green once (a confirm for successful setting for 1 sec), after the requested time delay has been set, press the switch more than 5 sec. → Escape the setting mode. Will flash in green the numbers the time delay is set.→ Back to standby (Red on)

Notes：
a. Max. seconds setting is 30 sec. When it's more than 30 sec, it'll be taken as invalid input and escape the setting mode
b. In setting mode, if more than 5 sec no action, it'll automatically escape from setting mode, and the previous setting is invalid.
c. If the default light has been changed, the light will be accordingly changed.
d. Escape from setting mode：after setting is completed, press the switch for more than 5 sec to confirm. Then setting is done.
e. LED Display Description
  - Red on: door is closed.
  - Flash red (once/sec): in setting mode
  - Flash green (once/sec) → time delay setting, or confirm the time delay set
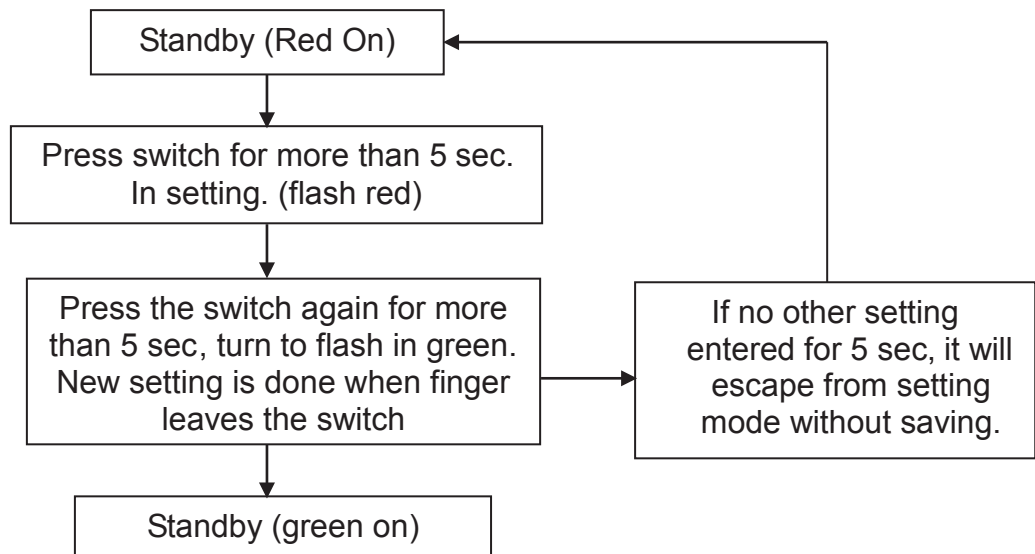f. Except for specific demand, press the switch within 5 sec for all setting.

Standby (Red On)

↓

Press more than 5 sec

↓

In setting mode (flash red once every sec)

↓

Press once for 1 sec (flash green once after finger is away from the switch)

→ In setting mode, if no setting is entered and switch is not pressed for more than 5 sec, will escape from setting mode without saving.

↓

Press switch again for more than 5 sec, time delay setting is done.

→ If switch is not pressed again and hold for more than 5 sec (i.e. new setting is not confirmed.) Will escape from the setting mode without saving.

↓

Flash green to confirm the setting. Flash once for 1 sec. Wll flash the numbers the time delay is set.

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Ⓓ LED Setting
    Dip switch：4ᵗʰ pin of dip switch (default in red)
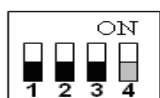   **Programming:** (default in red, Setting Mode)
Standby (Red On) → press the switch for more than 5 secs →enter setting mode (flash in red)
→ press the switch again for more than 5 secs→ flash red turn to flash in green→ leave the
switch → back to locked status (green on).

```
┌─────────────────────────┐
│    Standby (Red On)     │◄──────────────────┐
└───────────┬─────────────┘                   │
            │                                  │
┌───────────▼─────────────┐                   │
│ Press switch for more   │                   │
│ than 5 sec.             │                   │
│ In setting. (flash red) │                   │
└───────────┬─────────────┘                   │
            │                                  │
┌───────────▼─────────────┐      ┌────────────┴──────────┐
│ Press the switch again  │      │ If no other setting   │
│ for more than 5 sec,    │─────►│ entered for 5 sec, it │
│ turn to flash in green. │      │ will escape from      │
│ New setting is done     │      │ setting mode without  │
│ when finger leaves the  │      │ saving.               │
│ switch                  │      └───────────────────────┘
└───────────┬─────────────┘
            │
┌───────────▼─────────────┐
│   Standby (green on)    │
└─────────────────────────┘
```

    Notes：
a. In setting mode, if more than 5 sec no action, it'll automatically escape from setting mode, and the previous setting is invalid.
b. Except for specific demand, press the switch within 5 sec for all setting.
c. If the default standby light has been changed, the light will be accordingly changed.
d. LED lighting:
- Red on: locked status
- flash red (once/sec): in setting mode
- flash green (once/sec): changing color default
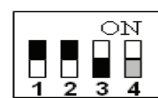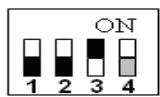- Green on: back to locked status

Ⓔ **Dip Switch Setting**

1SEC   5SEC   10SEC   15SEC

20SEC   30SEC   40SEC   Not Regression Type

LED Setting

R LED   G LED

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