# **W**ireless Touchless Switch (WPS100)
## Instruction Manual

The WPS100 is a wireless proximity switch that is easy to install. It can control the opening and closing of automatic doors and similar devices by detecting hand or object movement without direct contact. For the safe and correct use of the product, please read this instruction manual carefully.
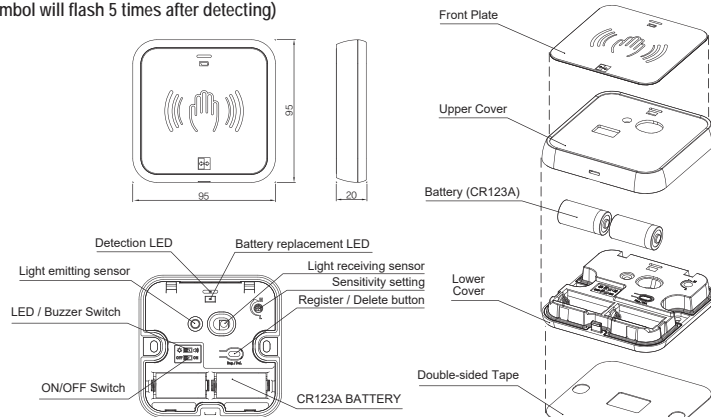
## **1** Product composition and specification

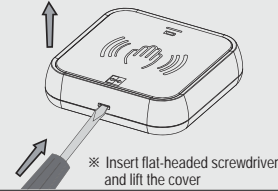| Components | | |
|---|---|---|
| | WPS100 | 1EA |
| | Double-sided Tape | 1EA |
| | Battery (CR123A) | 2EA |
| | Fixing Screw (4*16) | 2EA |
| | Front Plate (2 types) | 2EA (Hand and Wheelchair) |
| | User Manual | 1Copy |
| Specifications | Power Supply | DC3V |
| | Technology | Infrared - Reflective |
| | Detection Range / Method | 1~15cm ±5cm / LED or BUZZER |
| | Detecting Target | Hand or Object (Touchless) ※Detecting distance varies depending on the color of the object |
| | Output | 2.4GHz |
| | Transmitting distance | <10m (2m or less when attached a metal structure) |
| | Reaction sensitivity | <1sec. |
| | Battery Lifespan | Approx. 12 months (500 usages per day) |
| | Current Consumption | <0.5mWh |
| | Operating Temp / Humidity | -20℃~50℃ / 0~90% |
| | International Protection | IP65 |
| | Product size / weight | 95 x 95 x 20 mm |

## **2** General Information

— LED Red : Detecting
▭ LED Red : Replace battery
(Battery symbol will flash 5 times after detecting)



Front Plate
Upper Cover
Battery (CR123A)
Lower Cover

Detection LED
Battery replacement LED
Light emitting sensor
Light receiving sensor
Sensitivity setting
Register / Delete button
LED / Buzzer Switch
ON/OFF Switch
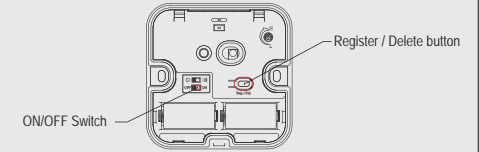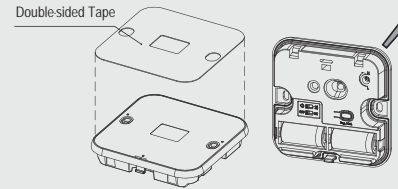CR123A BATTERY
Double-sided Tape

## **3** Installation Guide

**1** If the protective film is not removed from the Front Plate it may interfere with the function of this product, therefore remove the protective film from the Front Plate and disassemble the WPS100 cover using a ⊖screwdriver.
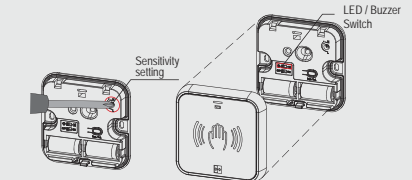
※ Insert flat-headed screwdriver and lift the cover

**2** Install batteries and turn the WPS100 ON. Register the transmitter using the Register/Delete button (See section 4).

Register / Delete button
ON/OFF Switch

**3** Attach the Lower Cover to where you want to install the sensor using the Double-sided Tape and/or screws provided.
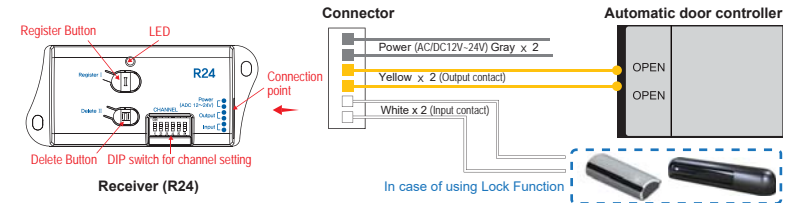
Double-sided Tape

**4** Set the detection distance as required by adjusting the Sensitivity setting using a screwdriver. Select whether you want detection to be indicated with an LED or a Buzzer, then attach the Upper Cover to the sensor.

LED / Buzzer Switch
Sensitivity setting

## **4** Registering the WPS100 transmitter with the R24 receiver

※ Up to 10 AerWave can be registered with one WR-24 receiver.

Register Button
LED
R24
Connection point
Delete Button   DIP switch for channel setting
**Receiver (R24)**

**Connector**
Power (AC/DC12V~24V) Gray x 2
Yellow x 2 (Output contact)
White x 2 (Input contact)

**Automatic door controller**
OPEN
OPEN

In case of using Lock Function

※ **Make sure to check that all dip switches are in the down (OFF) position before proceeding**

DIP switch

### 1. How to register an WPS100 Transmitter
- Connect power to the WR-24 receiver.
- Press the Register/Delete button on the AerWave switch for 3 seconds whilst simultaneously pressing The Register Ⅰ button on the WR-24 receiver.
- ●The red LED will flash on the WR-24 to indicate registration.

### 2. How to delete an WPS100 Transmitter
- Connect power to the WR-24 receiver.
- Press the Register / Delete button on the AerWave switch for 3 seconds whilst simultaneously pressing the Delete Ⅱ button on the WR-24 receiver.
- ● The blue LED will flash on the WR-24 to indicate deletion.

### 3. How to delete all registered WPS100 transmitters
- Press the Register Ⅰ button and Delete Ⅱ button on the WR-24 receiver at the same time for 5 seconds.
- ● The blue LED will flash three times indicating that all registered AerWave transmitters have been deleted.

## **5** Precautions

**1** Remove the protective film attached to the front plate

**2** Do not install in places exposed to strong sunlight

**3** Avoid moving objects in front of the sensor

**4** Do not install in humid areas