

Wireless Touch Switch



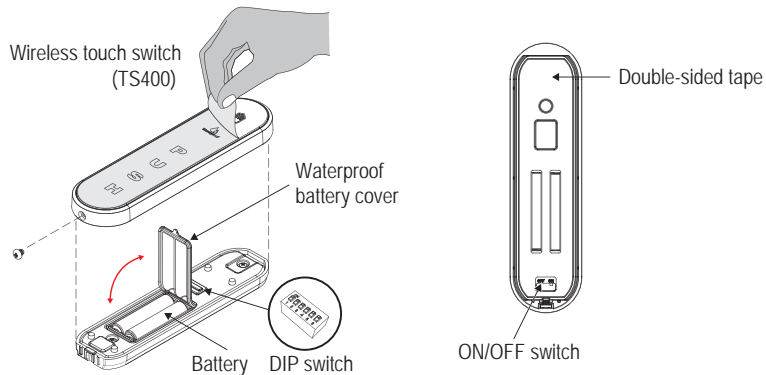
TS400 (Transmitter) / R24 (Receiver)

Thank you for purchasing this wireless touch switch.
The TS400 wireless touch switch is designed for the activation of automatic doors.
Please read this manual carefully for the safe and accurate use of this product.

1. Product composition and specification

		TS400 (Transmitter)		R24 (Receiver)	
Components	TS400	1EA		R24	1EA
	Double-sided tape	1EA		6P cable, Double-sided tape	1EA
	Battery 1.5V Size AAA	2EA		Fixing screws (Ø4 x 13)	2EA
	User Manual	1EA		User Manual	1EA
Specifications	Power supply	1.5V * 2 (Size AAA Battery)		Power supply	DC 12-30V / AC 12-24V
	Lifespan	Approx. 24 months (100 Cycles / day)		Relay contact capacity	AC/DC 400V, 120mA
	Transmitting frequency	2.4GHz		Receiving frequency	2.4GHz
	Transmitting distance	Up to 10m (When installed in steel structures : Up to 2m)		Reception sensitivity	-90 dBm
	Power consumption	10mA Under		Power consumption	100mA Under
	Operating temp	-20°C ~ 50°C		Operating temp	-20°C ~ 50°C
	Dimensions	40 x 150 x 13 (mm)		Dimensions	99 x 43 x 21 (mm)
	International Protection	IP54			

2. How to install the wireless touch switch transmitter (TS400)



※ Register the transmitter to the receiver by referring to Part 3 of this installation manual (Registering the TS400 Transmitter with the R24 Receiver).

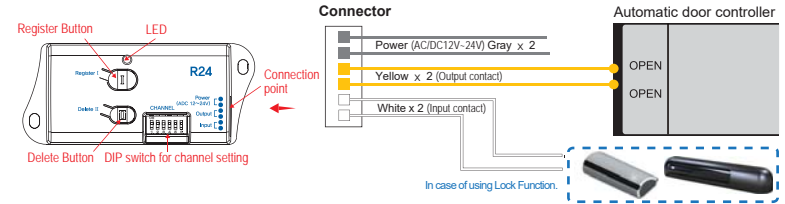
1. Please turn on the wireless touch switch (TS400).
2. Pairing transmitter (TS400) with receiver (R24).
3. Attach the wireless touch switch to the installation location.
4. Use your nail to remove the protective cellophane cover from the front of the TS400.

⚠ Make sure to apply the double-sided tape when installing the wireless touch switch. This improves the waterproof performance of the switch.

3. Registering the TS400 Transmitter with the R24 Receiver

You can select one of the following two methods to register a transmitter/receiver (pairing).

⚠ Do not use a combination of double-sided tape and screws when installing the R24 receiver. It may cause the lid to open.



① Method 1: Registration using dip switches

Set the dip switches on the TS400 transmitter and R24 receiver in the same sequence while power is not connected.

- ※ Pairing cannot be done if the all DIP switch on both the TS400 and R24 are in the OFF position.
- ※ An unlimited number of TS400 transmitters can be registered with one R24 receiver.



② Method 2: Registration using push buttons

Registration using push buttons should be done when the dip switches on the TS400 and R24 are in the OFF position.



1. How to register

- Connect the power to the R24 receiver.
- Press the TS400 switch for 3 seconds whilst simultaneously pressing the Register I button on the R24 receiver.
- ● The red LED will flash and registration will be completed.
- ※ Up to 10 TS400 transmitters can be registered with one R24 receiver using this method.

2. How to delete a TS400 Transmitter

- Connect the power to the R24 receiver.
- Press the TS400 switch for 3 seconds whilst simultaneously pressing the Delete II button on the R24 receiver.
- ● The green LED will flash and deletion will be completed.

3. How to delete all

- Press the Register I button and Delete II button on the R24 receiver at the same time for 5 seconds.
- The green LED will flash three times indicating that all registered TS400 transmitters have been deleted.

4. Automatic Door Hold Open Function

1. How to operate: Press the TS400 switch for 5 seconds. The Led on TS400 and R24 will flash and the automatic door open signal will be outputted indefinitely. To close the door, press the TS400 switch again.

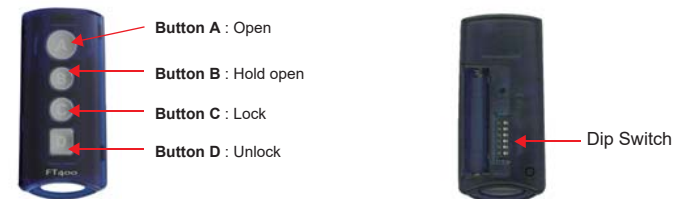
2. How to Set: When you turn on the power, press the register I button on R24 receiver together.

3. LED display

- Hold open function (ON) Standby: Green ● - In operation: Red ●
- Hold open function (OFF) Standby: Blue ● - In operation: Red ●
- ※ Hold open function (Default : OFF)

5. Works with remote control (FT400)

You can use "Hold open" and "Lock" function. Please refer to below.



- ※ When Locked, only works with FT400 until it is unlocked.
- ※ In case of power failure when locked, lock condition will be kept.
- ※ If you press the lock button while the door is hold open mode, the door will be closed and locked.