

Operation Instruction

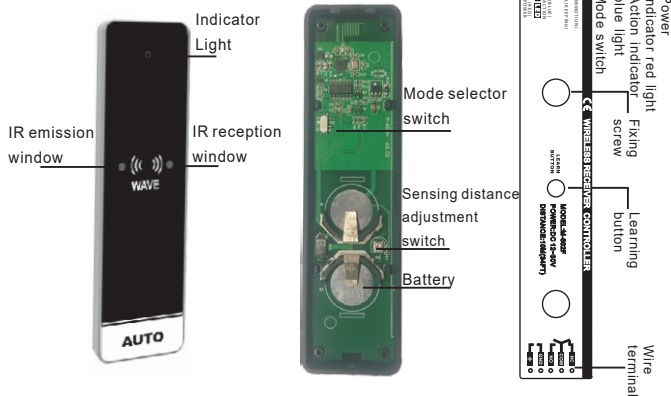
Ranger Autodoor Wireless Hand Touchless Button



1 Safety Instruction

Thanks for your purchasing, please refer to the following before using.

2 Product Over-view

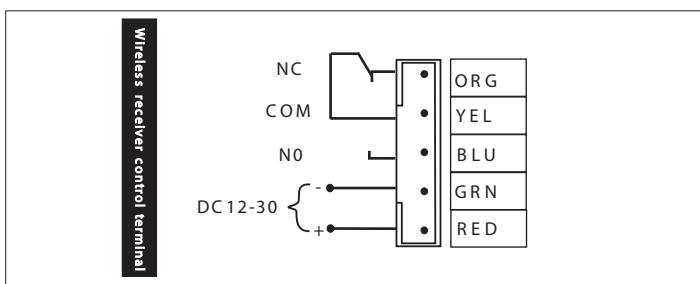


M mode: Normal mode
K mode: Induction response speed increased by 26%, but standby power consumption increased by 80%

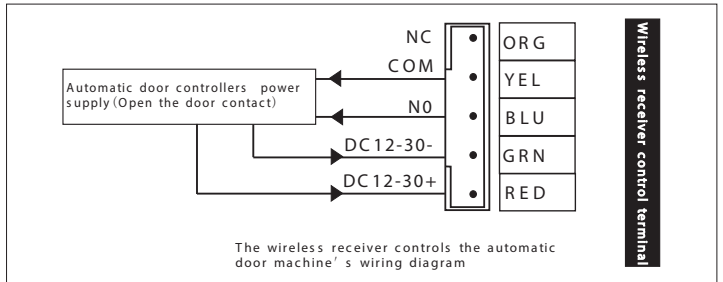
3 Over-all Characteristic

- Rectangular panel, wireless design, installation without wiring, more flexible.
- Infrared modulation is used for sensing, with a long sensing distance and high sensitivity. The sensing distance is adjustable from 3 to 18 cm and can be adjusted for different occasions.
- Adopt 2.4G wireless communication technology, good frequency consistency, high wireless transmission reception stability.
- The transmitter adopts low-power transmission technology, with long range, low power consumption and long battery life.
- The receiver adopts self-learning code, which is convenient for users to add hand switch at any time.
- Receiver adopts wide voltage input design, 12-30V AC/DC power input are valid.
- The blue indicator is on when remote control is valid.

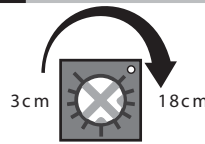
4 Definition of Input and Output



5 Wireless receiver control terminal



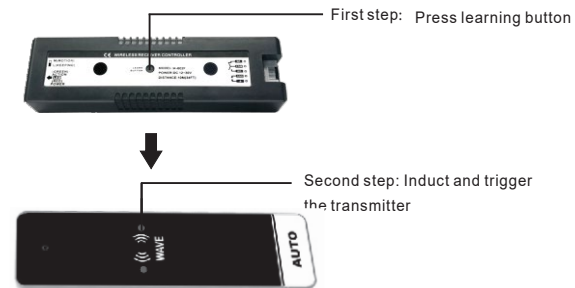
6 Induction distance adjustment



The clockwise direction the induction distance becomes farther, the counterclockwise direction the induction distance becomes closer, and the maximum induction distance is 18cm.

7 Matching Method

- This product is self-learning code. Before using it, the transmitter code must be learned into the controller. The controller can learn up to 20 transmitters.
- Learning method: Press the receiver's learning button, the indicator light changes as blue, entering into learning status. Then, sensing or touch the transmitter, the blue light of receiver flashes two times, it means learning successful. The receiver will return back as stand-by status after 5 seconds.
- Delete method: Press learning button for 5 seconds, blue light shining 5 times, all codes are deleted. (There is no setting for delete only one code.)



8 Output status selection

- M** If the status selection switch is turned to the M position, it is the output of inching. Every sensing or touch of the switch will output the door opening signal of about 1.5s. Most of the receivers used with the manual switch choose this position.
- L** If the state selection is turned to the L position, it is a hold-type output, the output signal is kept. Each sensing or touch of the manual switch, the output state will flip and change once time.

9 Technical Parameter

Power supply (Wireless receiver):	DC12~30V
Static current:	34mA (DC12V)
Action current:	62mA (DC12V)
Main contact capacity(Wireless receiver):	1A 24VDC
Contact suction holding time (Wireless receiver):	1.5Seconds
Power supply (Transmitter):	3V (2pcs 3V button battery)
Standby current(Transmitter):	≤ 22μA(M mode)40μA (K mode)
Emission current (Transmitter):	≤ 10μA
Touchless sensing distance:	3~18cm
IR scan interval:	M mode:330ms K mode: 250ms
Battery Life(for Transmitter):	200 times/day, about 190 days
Receiver sensitivity:	-95dbm
Emission distance:	Over 30 meters in no obstacles area
Product size (Transmitter):	135mm (L) × 36mm (W) × 10mm (H)
Product size (Receiver):	110mm (L) × 30mm (W) × 15mm (H)