

# Wireless Remote Control 315MHz NKHA Series

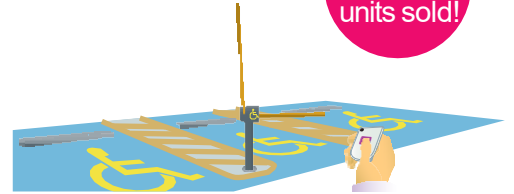
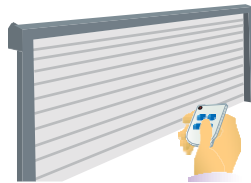


TS03NKHA (1-4 buttons)

Build a remote control system with low cost and Low power consumption.

- Compact keychain type
- Supports label and case color customization
- Uses coin cell battery, long service life
- Communication range: Line of sight approx. 50m
- TS03NKHA1 is FCC certified

Over 200,000 units sold!



\* Compact and lightweight design, ideal for applications such as shutter opening/closing and gate control.

## Unidirectional type (continuous transmission / toggle operation)

The receiver module's solder jumper allows switching between Active High/Active Low and selecting between continuous transmission and 2-button toggle operation. Software supporting independent toggle operation for each button is also available.



1 to 4 buttons



### Continuous Transmission

The corresponding output remains active while the button is pressed. (Active High or Active Low)

### Toggle Operation

2-2 Toggle: Pair two buttons to toggle between ON and OFF.

Pressing a button turns the pressed contact on and the other off.

1-4 Toggle: Each button press alternates between on and off.

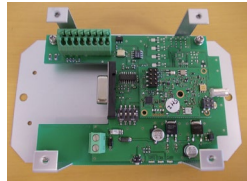
## Receiver Board (Relay, Serial Output, Transistor Output)

Types include screw terminal block type, relay type, serial output type, etc. Custom boards can also be manufactured.

### Gate Remote Control Receiver



Relay Output (Aluminum case included)



Serial Output (Aluminum case)

### General-Purpose Board



Transistor Output (Screw Terminal Block Resin Case)



Relay Output (Waterproof)

### Original Label

\*Initial setup fee applies.



### Cases in different colors can also be made

\*Initialization fee applies.

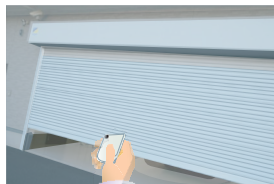


## Remote Control Types (Individual ID Registration, Group ID, Custom ID, ID Serial Output)

For applications requiring a large number of remote controls, such as gates, please consult us. Customization is also available.

Individual (e.g., detached house shutters)  
: Unique ID

\* For use with multiple remote controls



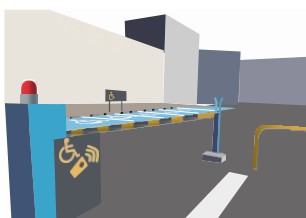
Group (Apartment buildings, business premises)  
: Common ID, Group ID

\* Used with 30 to several hundred remote controls



Large-scale (shopping malls)  
: Custom ID/Serial output for all (Filtered via external PLC)

\* Over 1,000 remote controls in use across nationwide stores



### Bus Gate (BRT)

: Transmits in conjunction with vibration sensors

\* Gate opens/closes without button operation

(Customized for specific use)



## Electrical Specifications:

Transmission/Reception Frequency	315 MHz band	Operating Temperature	-10 to +60 °C (no Condensation)	Antenna	Built-in pattern antenna
Transmit power	250µW (EIRP)	Power Supply	3V CR2032	Dimensions	Approx. 55 × 32 × 6.5 (mm)
Number of Control Switches	1 to 4 On/Off Controls	Battery Life	Over 2 years	Weight	Approx. 12g (including battery)
Current consumption	Approx. 3mA during transmission	(At 25°C, transmitting 3 seconds per transmission, 5 transmissions per hour, operating 8 hours per day) Compliant Standards		ARIB STD-T93 Technical Standards Compliance Certification Obtained	