CS-732

## Wireless Electronic Controller

Operating Guide and Instruction Manual

Introduction

CS-732 wireless electronic controller (hereafter referred to as "this product") is the best solution to control the opening and closing the automatic switch. With integrated RF high-frequency design, this product offers two sets of relay mode allowing users to do various desired settings. Adjusting dip switch to set up selected passwords easily and simply.

Power supply includes DC 12V, 24V or AC 24V which are compatible to work with different kinds of remote controller: single-button remote controller (TX-F01); double-button remote controller (TX-F02), and four-button controller (TX-F04).
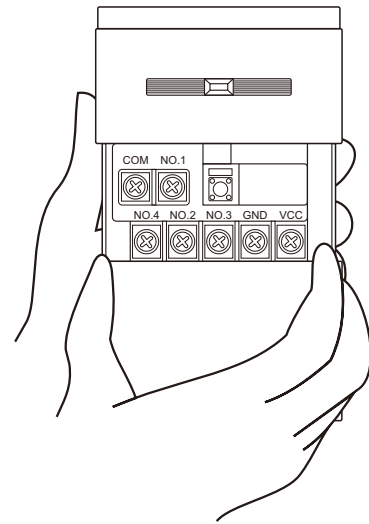
Appearance Drawing

Power cable

LED Indicator light

Case
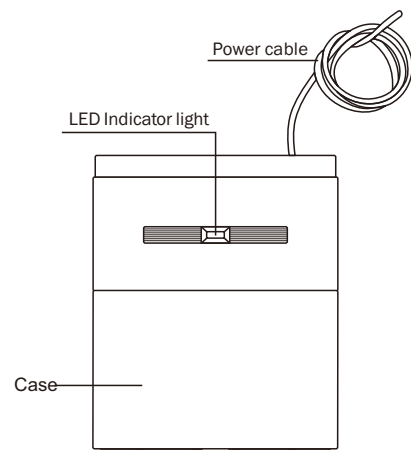
Operating Steps

Remote Controller Set-up and Pairing

This product offers 10 function modes for user to choose for desired remote controller according to the selected function mode, and then follow the pairing instruction based on offered function to get started.
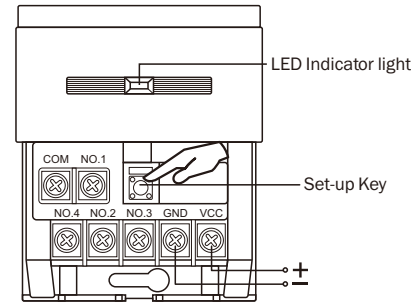
Step 1: Uncover case

Step 2: Connect to power supply

Connect to power supply, DC 12V or 24V. The LED indicator light blinks slowly after being connected to power supply, as shown in figure below.

LED Indicator light
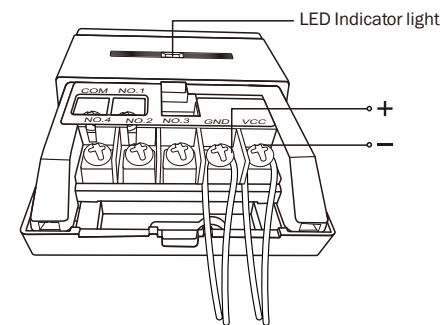
Step 3: Set-up Key

Press set-up key, then LED indicator light blinks rapidly as shown in figure below.

LED Indicator light

Set-up Key

Step 4:

Function depends on the connected or disconnected of jump as well as set-up key of remote controller. The LED indicator light blinks slowly suggesting the procedure is completed and the data stored in the memory automatically.

Jump

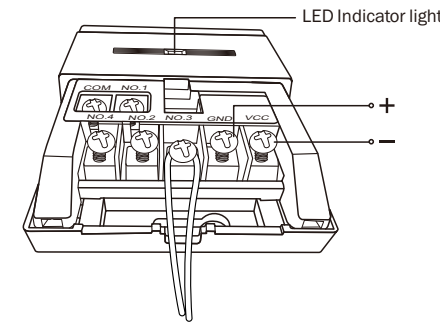Choose to connect or disconnect jump based on selected function mode.

LED Indicator light

Jump cap
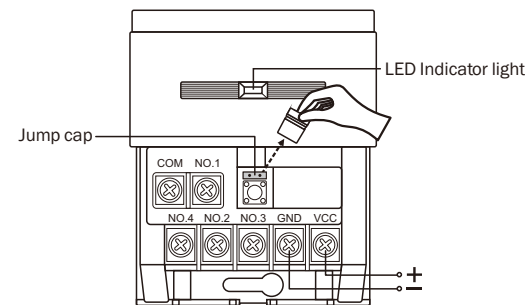
Step 5: Loose the screw from terminal blocks

Loose the screw from terminal blocks, and put external lead wire at the lower part of screw and lock it tightly.
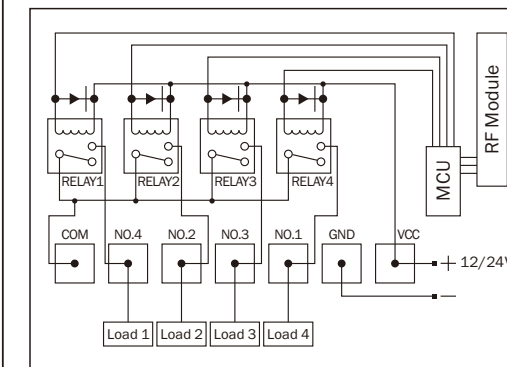
Terminal Blocks

LED Indicator light

Terminal Blocks

Terminal Blocks

Terminal Blocks

Terminal Blocks

Terminal Blocks

Terminal Blocks
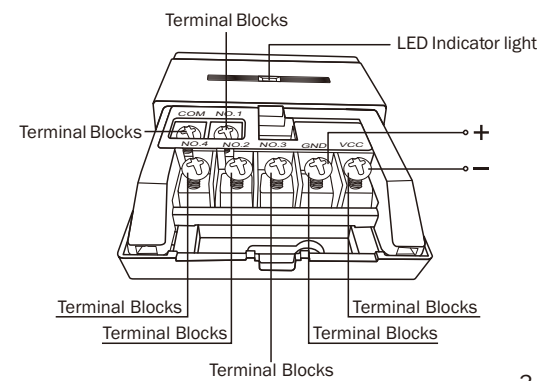
Step 6: Lock into external lead wire

To follow set-up steps shown in function table, then LED indicator light blinks slowly suggesting the set-up procedure is completed.
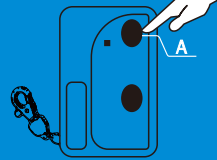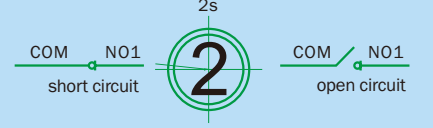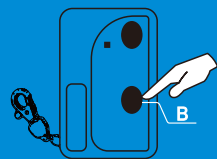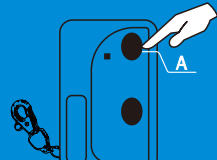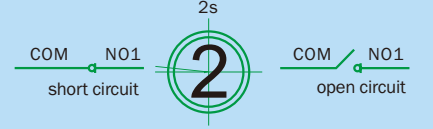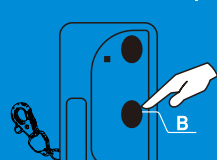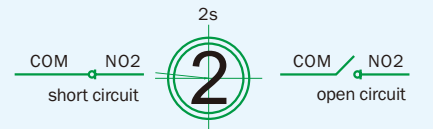
LED Indicator light

Internal relay wiring diagram

RF Module

MCU

RELAY1 RELAY2 RELAY3 RELAY4

COM NO.4 NO.2 NO.3 NO.1 GND VCC

Load 1 Load 2 Load 3 Load 4

12/24V
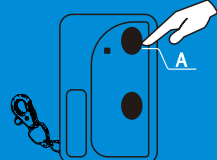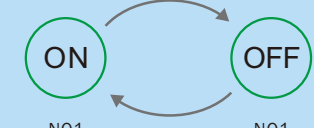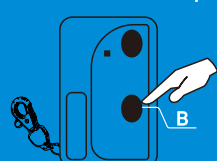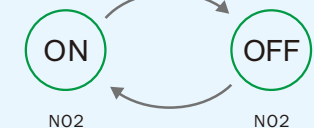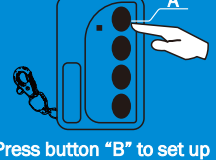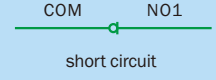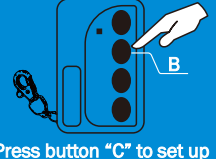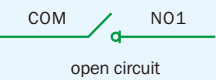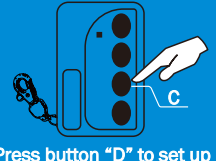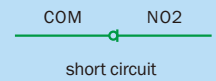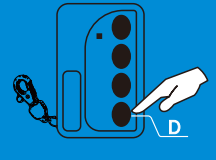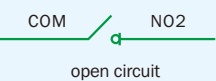
Function Mode Table

Mode 1: Keep jumper cap connected	Functionality	Application
Press button "A" to set up	Press button **"A"** once. Relay 1: Open circuit after 2-second short circuit for **NO1** and **COM**. Relay 2: **NO2** contact, relay mode shows short circuit-open circuit-short circuit-open circuit in turn. (This function is often employed in anti-theft switch or power switch.) Relay 1: COM NO1 short circuit — 2s — COM NO1 open circuit. Relay 2: ON — OFF, NO2 — NO2	Electronic lock door Anti-theft device with remote controller. Single-point light controller

Mode 2: Disconnect jumper cap	Functionality	Application
Press button "A" to set up	Press button **"A"** once. Relay 1: Open circuit after 2-second contact for **NO1** and **COM**. Relay 2: Open circuit after 2-second contact for **NO2** and **COM**. Remote control and relay function figure. COM NO1 short circuit — 2s — COM NO1 open circuit. COM NO2 short circuit — COM NO2 open circuit	Double-point synchronized controller

Mode 3: Keep jumper cap connected	Functionality	Application
Press button "A" to set up	Press button **"A"** once. Relay 1: Open circuit after 2-second short circuit for **NO1** and **COM**. This remote controller can work with different ID by simply press ON button to activate. It is compatible with electronic lock from public building entrance doors. COM NO1 short circuit — 2s — COM NO1 open circuit	Public electronic door lock. Private electronic door lock
Press button "B" to set up	Press button **"B"** once. Relay 1: Open circuit after 2-second short circuit for **NO2** and **COM**. COM NO2 short circuit — 2s — COM NO2 open circuit	

Mode 4: Disconnect jumper cap
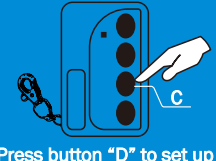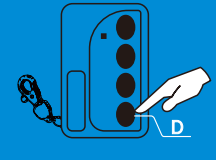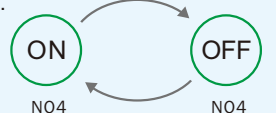
	Functionality	Application
Press button "A" to set up	Press button **"A"** once Relay 1: Open circuit after 2-second short circuit for **NO1** and **COM**. COM — NO1 **2** 2s COM / NO1 short circuit open circuit	Automatically controlling doors and lockers, not allowing any actions after completed locked
Press button "B" to set up	Press button **"B"** once Relay 2: **NO2** mode shows short circuit-open circuit-short circuit-open circuit in turn. ON → OFF NO2 NO2	
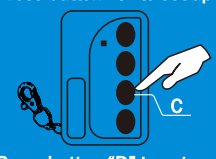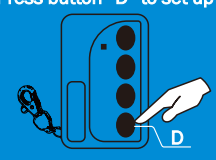
Mode 5: Disconnect jumper cap

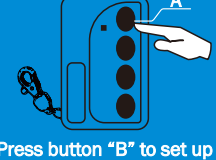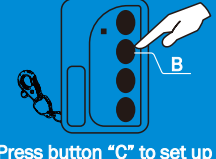|	Functionality	Application
Press button "A" to set up	Press button **"A"** once Relay 1 shows short circuit-open circuit-short circuit-open circuit in turn. COM — NO1 **2** 2s COM / NO1 short circuit open circuit	Required 2 separate sets of keypads to control ON/OFF switch
Press button "B" to set up	Press button **"B"** once Relay 2 shows short circuit-open circuit-short circuit-open circuit in turn. COM — NO2 **2** 2s COM / NO2 short circuit open circuit	

Mode 6: Keep jumper cap connected

	Functionality	Application
Press button "A" to set up	Press button **"A"** once Relay 1: Open circuit after 2-second short circuit for **NO1** and **COM**. ON → OFF NO1 NO1	Two-door (private and public door) electronic locker or sliding rolling doors
Press button "B" to set up	Press button **"B"** once Relay 1: Open circuit after 2-second short circuit for **NO2** and **COM**. ON → OFF NO2 NO2	

Mode 7: Keep jumper cap connected

	Functionality	Application
Press button "A" to set up A	Press button **"A"** once Relay 1: Short circuit for **NO1** and **COM**. COM — NO1 short circuit	Required 2 separate sets of keypads to control ON/OFF switch
Press button "B" to set up B	Press button **"B"** once Relay 1: Non-short circuit for **NO1** and **COM**. COM / NO1 open circuit	
Press button "C" to set up C	Press button **"C"** once Relay 2: Short circuit for **NO2** and **COM**. COM — NO2 short circuit	
Press button "D" to set up D	Press button **"D"** once Relay 1: Non-short circuit for **NO2** and **COM**. COM / NO2 open circuit	

Mode 8: Keep jumper cap connected

	Functionality	Application
Press button "A" to set up A	Press button **"A"** once Relay 1: Short circuit for **NO1** and **COM**. COM — NO1 short circuit	Anti-theft, emergency, automatic door controlling
Press button "B" to set up B	Press button **"B"** once Relay 1: Non-short circuit for **NO1** and **COM**. COM / NO1 open circuit	
Press button "C" to set up C	Press button **"C"** once Relay 2: Open circuit after 2-second short circuit for **NO2** and **COM**. COM — NO2 **2** 2s COM / NO2 short circuit open circuit	
Press button "D" to set up D	Press button **"D"** once Relay 3: Open circuit after 2-second short circuit for **NO3** and **COM**. COM — NO3 **2** 2s COM / NO3 short circuit open circuit	

Mode 9: Keep jumper cap connected

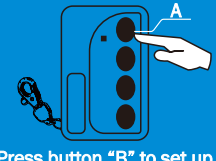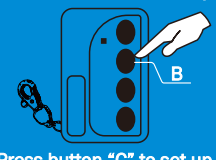|	Functionality	Application
Press button "A" to set up A	Press button **"A"** once Relay1: shows short circuit-open circuit-short circuit-open circuit in turn. ON → OFF NO1 NO1	4 sets of switch, such as light bulb controlling
Press button "B" to set up B	Press button **"B"** once Relay 2: shows short circuit-open circuit-short circuit-open circuit in turn. ON → OFF NO2 NO2	
Press button "C" to set up C	Press button **"C"** once Relay 3: shows short circuit-open circuit-short circuit-open circuit in turn. ON → OFF NO3 NO3	
Press button "D" to set up D	Press button **"D"** once Relay 4: shows short circuit-open circuit-short circuit-open circuit in turn. ON → OFF NO4 NO4	

Mode 10: Keep jumper cap connected

	Functionality	Application
Press button "A" to set up A	Press button **"A"** once. Relay 1: Open circuit after 2-second short circuit for **NO1** and **COM** COM — NO1 **2** 2s COM / NO1 short circuit open circuit	DC door or 4-contact touch door
Press button "B" to set up B	Press button **"B"** once. Relay 2: Open circuit after 2-second short circuit for **NO2** and **COM**. COM — NO2 **2** 2s COM / NO2 short circuit open circuit	
Press button "C" to set up C	Press button **"C"** once. Relay 3: Open circuit after 2-second short circuit for **NO3** and **COM**. COM — NO3 **2** 2s COM / NO3 short circuit open circuit	
Press button "D" to set up D	Press button **"D"** once. Relay 4: Open circuit after 2-second short circuit for **NO4** and **COM** COM — NO4 **2** 2s COM / NO4 short circuit open circuit	