

Wireless Control Receiver UC-215

Description

The UC-215 is a three channel receiver of coded signals. The status of two output relays and the output transistor is indicated on the front panel. Up to 20 remote controls (RC-10) can be taught to the unit. There are three different operating modes available for each remote control.

The UC-215 can be used for control of alarm systems, remote gate opening, garage door control, panic switch etc.. A floating code ensures a high security of transmission.

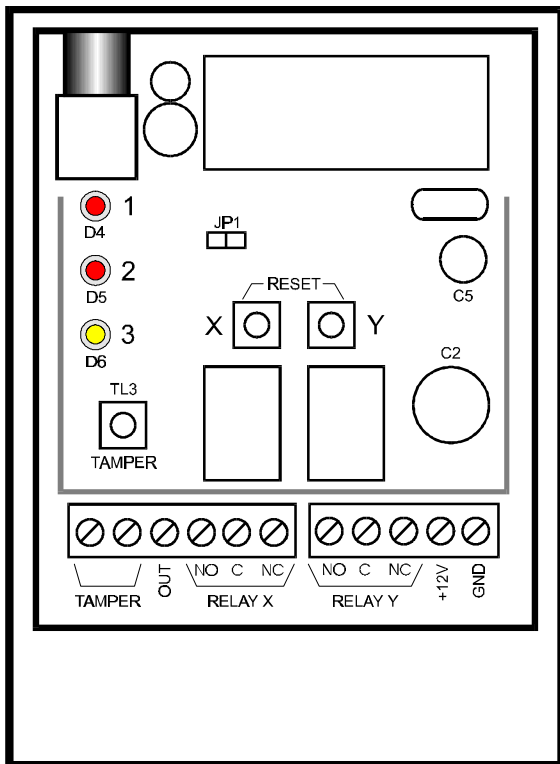
An external antenna (included) can be used as well as the built-in antenna.

Specification

Operating voltage:	11-14 V DC
Power consumption:	standby 5 mA max. 45 mA (both relays activated)
Operating frequency:	433.92 MHz
Coding:	digital, each remote control or detector has a unique floating code
Output relays:	max. 120V/1A
Output transistor:	max. 12V/0.2 A
Range (open area):	with RC-10 up to 30 meters
External antenna	CINCH connector, 50 Ohm
Designed for indoor use only.	

Installation

Open the external cover of the unit by pressing the lock on the top. Loosen the central screw and take out the PCB. Route wires through the hole in the bottom of the rear housing. Attach the housing to the desired place using screws.



Terminal description:

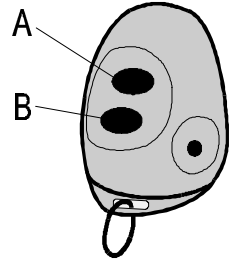
NC, NO, C	output relay dry contacts
TAMPER	tamper switch output (max.12V/50mA)
OUT	output of NPN transistor switching to GND
+12V, GND	power voltage

Setting

Remote controls enrolling - you can teach up to 20 different RC-10 remote controls to the UC-215 unit. There are two buttons on each RC-10 (A and B), enabling each remote control to send three different commands by pressing button A, B or A & B simultaneously.

There are two setting buttons in the UC-215. Button X is used for relay X teaching, button Y is used for relay Y teaching. By pressing the setting button you can scroll through the three learning (operating) modes (1 to 3) indicated by a corresponding flashing indicator.

By pressing a button on the remote control while a desired UC-215 learning mode is selected, you teach that button to the receiver's memory. The corresponding operating mode will now be associated to this remote control button

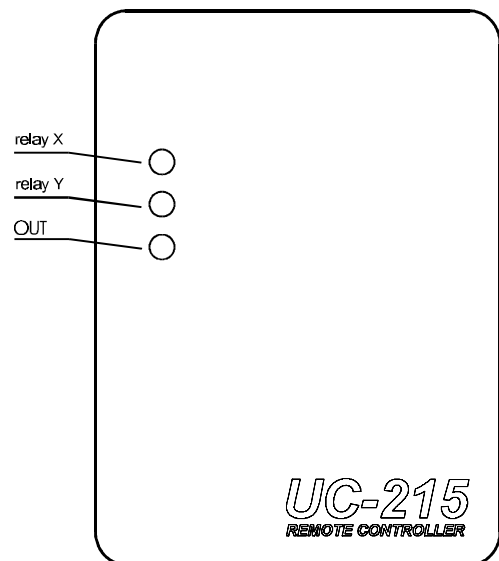


Operating modes available (valid for X and Y relays)

	MODE	reaction of the relay when RC button pressed	which RC -10 button can be taught
1	pulse	relay will turn on for 1 second	A, B, A&B
2	latch	relay status will change to the opposite (ON/OFF/ON...)	A, B, A&B
3	ON - OFF	button A will turn relay on, button B turn relay off	A or B

Setting remarks

- new RC buttons are added to already taught ones
- after 20 RCs are taught, no other remote can be added
- double flash of LEDs indicates full memory
- if one button is taught for multiple modes, only the last taught mode will remain in the UC-215 memory
- you can combine different modes for different RC buttons
- the output OUT will be activated only by simultaneous pressing of A&B buttons on a remote control, which A button was learn for X relay and B button for Y relay. The OUT mode is the same as selected mode of relay X. This way three independent outputs can be controlled.
- selected setting mode will close after a RC button is taught, or automatically after 10 seconds



Erasing remote controls from the memory

All taught remote controls can be erased from the UC-215 memory. Open the cover and press both setting buttons and hold them pressed until all indicators flash for a moment. All remote controls are now erased.

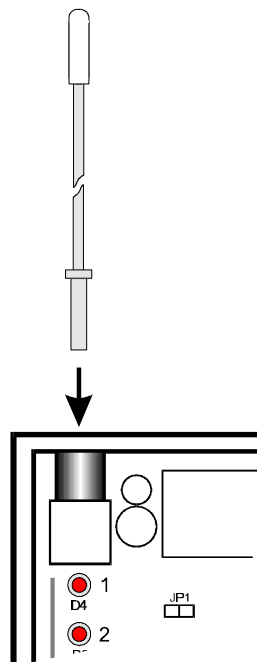
Operation

The status of relay X, relay Y and OUT is indicated by 3 LED indicators on the cover. When active, the corresponding LED lights.

A remote control taught to the UC-215 can also be used for other devices. *For example: the remote control of Jablotron's car alarm, Accent, can not only operate your car with buttons A and B, but can also control a garage door opener if the simultaneous pushing of A&B buttons has been taught to a UC-215 controller.*

External antenna

You can connect the included external antenna to the UC-215 in order to increase its working range. Open the cover and insert the antenna into the CINCH connector. This way the internal antenna will be disconnected. Then close the cover and the antenna is locked to the unit. It is not recommended to change the length or shape of the antenna. Another suitable external antenna (impedance 50 Ohms and a corresponding frequency) can also be connected to the CINCH connector.



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