

Wireless Control Receiver UC-222

Description

The UC-222 is a single channel receiver of coded radio signals. It is powered by 230VAC (110VAC). Its output relay contact operates at 230VAC.

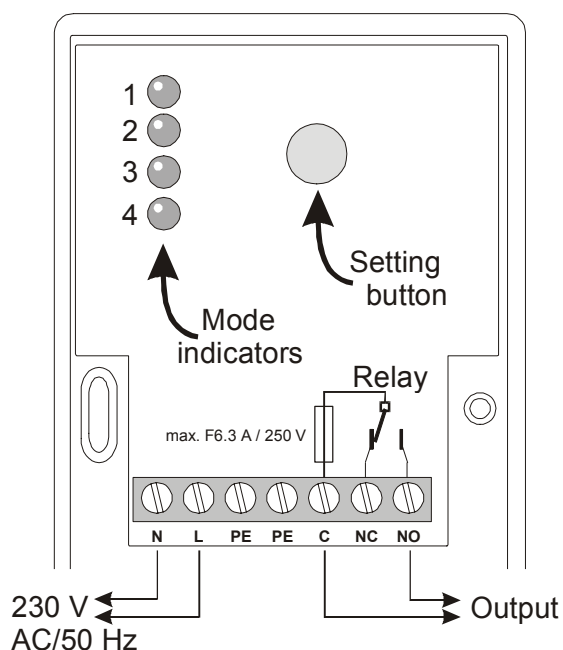
The UC-222 can be used with remote controls (RC-11, RC-22) and with the JA-60 wireless system items (detectors, keypads, control panels). The UC-222 has four different operating modes and up to 30 different wireless items can be enrolled to the receiver's non-volatile memory.

Specifications:

Operating voltage:	230 V AC, 50 Hz (110 V AC optional)
Power consumption:	1 VA (0,6 W) / 1,8 VA (1 W)
Operating frequency:	433.92 MHz
Coding:	digital, each item has a unique floating code
Output relay:	over switching dry contact Fused 6A at 250 V
Range (open area):	with RC-11 & 22 up to 30 meters with JA-60 items up to 100 meters

Installation:

Open the external cover of the unit by pressing in the internal tab of the lock on the top (small flat screw-driver is appropriate). Unscrew the center screw of the internal safety cover and remove this cover. Route wires through the hole in the bottom of the rear housing. Attach the housing to the desired place using the provided screws. Replace the internal cover.



Terminal description:

- NC, NO, C** - output relay contact (fused for 6A)
- PE** - pair of connected terminals - Protective Earth (Ground)
- N, L** - power 230V / 50Hz

Setting

There is a setting button on the internal cover of the UC-222 and four LED indicators. By pressing this setting button, you can scroll through four learning (operating) modes (1 to 4) indicated by a corresponding flashing LED indicator. When the selected mode's LED is flashing, the wireless item (remote control, detector etc.) can be enrolled (see following description). As a maximum, 30 different items can be enrolled (assuming it is not specified for a particular item or mode).

UC-222 operating (learning) modes available

n.	mode	UC-222 relay reaction	possible to enroll (max. 30 items)
1	short pulse	relay will turn on for 2 seconds	<ul style="list-style-type: none"> RC buttons A, B, A&B detectors JA-60 keypads JA-60D
2	long pulse	relay will turn on for 2 minutes	<ul style="list-style-type: none"> RC buttons A, B, A&B detectors JA-60 keypads JA-60D
3	latch	relay status will change (on - off - on - off)	<ul style="list-style-type: none"> RC buttons A, B, A&B Keypads JA-60D
4	ON OFF	button A will turn relay on, button B will turn relay off JA-60M - follows sensor status JA-60D code=on/off & F1=on	<ul style="list-style-type: none"> RC with button A control panels JA-60* keypads JA-60D* detectors JA-60M*

* this item can not be combined with any other model and a max. of 8 items can be enrolled in this mode

Remote controls enrollment

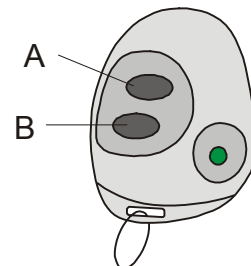
Remote controls RC-11 & RC-22 can be used with the UC-222 unit. There are two buttons on each RC-11 (A and B), enabling each remote control to send two different commands by pressing buttons A or B. The RC-11 can also send a third command by pressing the A & B buttons simultaneously (not available with the RC-22).

By pressing a button on the remote control while a desired UC-222 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.

JA-60 detectors and keypads enrollment

Wireless detectors of the JA-60 system and the JA-60D keypads can be taught to the memory in learning mode no. 1 and 2 (pulse modes):

- remove the batteries from the JA-60 item
- select the desired learning mode of the UC-222 (no. 1 or 2)
- reinstall the batteries into the JA-60 item (in the JA-60P detector, press and hold pressed its tamper switch while installing the batteries)
- UC-222 will store the JA-60 items code in its memory
- close the cover of the JA-60 item



You can combine multiple JA-60 items and RC-11 & RC-22 remote controls to operate a UC-222 (up to thirty).

Note: If you have a JA-60 alarm system installed, its detectors can also be simultaneously used for house automation. For example, a JA-60P motion detector(s) can be taught to mode no. 2 of the UC-222 which controls a light. This way the detectors not only informs your alarm control panel about detected movement, but also automatically turn on lights in the corresponding area.

The JA-60D keypad can also be enrolled in learning **mode 3 and 4**. Each entering of a valid access code on the JA-60D will change the condition of the UC-222 relay. If the keypad was enrolled in mode 4, then the entering of F1 on the keypad will switch the UC-222 relay on (a max. of 8 keypads can be enrolled in this mode and they can not be combined with other items).

If a JA-60M detector is enrolled in mode 4, then the UC-222 relay follows the condition of the JA-60M sensor (or INP terminal). As a maximum 8 JA-60M detectors can be enrolled in this mode.

JA-60K control panel enrollment

The UC-222 can also be used as a wireless output module for the JA-60K control panel. The UC-222 will have the same function as the PgX programmable output of the control panel. When you want to use the UC-222 with the control panel, all other items have to be erased from the UC-222's memory. The control panel can be taught to the UC-222 only in learning mode no. 4:

- enter the programming mode on the JA-60K
- select learning mode no. 4 of the UC-222
- enter the code 299 on the JA-60K keypad
- the UC-222 will store the JA-60K code in its memory
- exit the JA-60K programming mode

Multiple UC-222's can be used with a control panel and each UC-222 can also receive signals from more than one control panel (up to 8). No other items (remote controls or detectors) can be enrolled when the UC-222 is used with the JA-60K control panel.

This allows the UC-222 unit to control power appliances automatically with a signal from the alarm system. For example: switch on lights when you enter a house, switch off an appliance when you are leaving (arming), control an electric door lock etc.

Setting remarks

- newly enrolled items are added to previously enrolled ones
- after 30 items are taught, no other item can be added. In mode 4, the JA-60K, JA-60D and the JA-60M are limited to only 8 items.
- if one item is taught for multiple modes, only the last taught mode will remain in the UC-222's memory
- you can combine different modes for different items. Only the JA-60K, JA-60D and the JA-60M in mode 4 can not be combined with other items.
- The selected setting mode will close after an item is enrolled, or, automatically after 10 seconds

Operation remarks

- every time a pulse mode is activated by a signal from a remote control, detector etc. a new time count will start.
- An item enrolled to the UC-222 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-222 controller. In a similar way, JA-60 detectors can work with a JA-60 control panel and the same detectors can also simultaneously be used with a UC-222 for house automation.*

Erasing items from the memory

All enrolled remote controls (or JA-60 items) can be erased from the UC-222's non volatile memory:

- open the external cover
- use the setting button to enter the 4th setting mode
- when the 4th LED is flashing, press the UC-222's setting button and hold it until all indicators flash for a moment
- The receiver's memory will now be erased