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RS-407 M.

BI-STABLE RELAY



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F&F products are covered by an 24 months warranty from date of purchase

PURPOSE

Electronic relays are used for radio remote control of gates, shutters, lighting, arming alarm systems, etc. The remote control system consisting of a transmitter (remote) and receiver (relay). There is a possibility of cooperation between many transmitters to one receiver and one transmitter to multiple receivers.



FUNCTIONING

The impulse caused by the push of a button on the remote control to send a coded signal to the receiver. Remote control is protected against break transmission after releasing the button.

Short press <1 sec. exits from the state of programming.

Press and hold PROG > 8sek. will erase the memory. After the operation, erasing out of the nonvolatile memory are erased all data on the pilots, and then the memory is formatted for re-programming.

SIGNALING OF RECEIVER STATE

Red LED:

random flashing : receiving data mode

flashing quickly: erase of memory

Long flash: memorizing function (remote control)

short flash: function (pilot) already defined

3 flashes: memory full

long flash: formatting memory after turn on

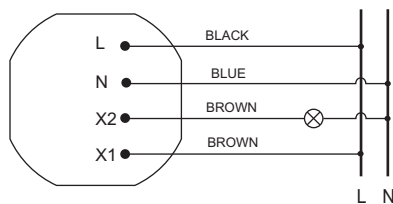
short red flash; memory test when after turn on

Green LED

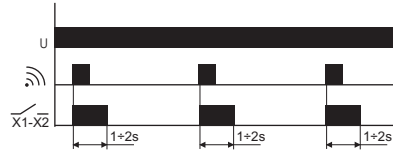
flashing 1sec.: learning mode

Long flash: activation of output

WIRING DIAGRAM



Thanks to this, even the shortest activation function is the full frame of data transmissions. Data transmission from the remote control is indicated by flashing of red LED on the remote. At the time of diagnosis signal receiver closes the contact of X1-X2 at time 1 ~ 2 sec (pulse).



The range of the system is up to 100m (Range depends on many factors, among others, on: the weather (humidity), terrain characteristics (reflection), placement of the receiver and transmitter, and all kinds of obstacles such as walls).

ATTENTION!! Before of the final assembly of the receiver to make the tests.

The receiver is equipped to the PROG button, which allows link the remote / button on the receiver and resets the receiver memory.

PROGRAMMING

Press and hold the PROG button > 5sec. enters into a state of programming. After entering the learning mode, the receiver is waiting for incoming transmissions from the remote (Pressing the remote button). Followed by verification of the program. If the button of the remote control has not been programmed it will record identifying information. During one open programming session, the receiver can be attributed to many control remotes.

The non-volatile memory can save up to 32 remotes. There is a possibility of cooperation between many transmitters to one receiver and one transmitter to multiple receivers.

TECHNICAL DATA

Receiver

supply	230V AC
current load	<5A
joint	separate 1Z
signaling of receiving/programming	red LED
state of joint	green LED
power consumption	0,8W
connection	4xLY 1mm ² ; l=10cm
working temperature	-25÷50°C
dimensions	Ø55, h=13mm
fixing	to under plaster box Ø60

Remote control

Type	
RS-P1	single-button
RS-P2	two-button
RS-P3	three-button
RS-P4	four-button
supply	12V
type of battery	A23
transmission	dynamically changing the code
frequency	868MHz
coding	Keellog®
working temperature	-25÷50°C
color	black
fixing	30×68×14