DESCRIPTION

The RXUL01 Receiver Module is a compact, four to eight-channel, long range garage door remotes receiver. It has 4 working modes; 1 – Momentary contact; 2 – ON/OFF contact; 3 – 1 to 60 Seconds Time based contact; 4 – 1 to 60 Minutes Time based contact; With those mode it is possible to use RXLU01 to control Garage door operators, irrigation systems, garden lighting, blinds, etc.

It operates on 315 or 433MHz frequency and is compatible with the vast majority of European commercialized Fixed Code and Rolling Code systems. It is foreseen that more than 90% of the commercially available garage door openers, are within the compatibility list of RXUL01 Receiver, with tendency to increase due to the growth of Rolling Code implementation. More specific manufacturers systems are being implemented. For full compatibility or special implementations, please visit www.lmpautomation.com or contact info@lmpautomation.com

Encoding Chip	Encoding Type	Compatible
PT2262, PT2264 [1]	Fixed Code - 12 Tri-State	Yes
eV1527 [2]	Learning Code – 24 bits	Yes
HT6P20	Learning Code – 28 bits	Yes
HT12E	Fixed Code – 12 bits	Yes
HT6010 [3]	Fixed Code – 24 bits	Yes
AX5326-4	Fixed Code – 24 bits	Yes
HSC301	Rolling Code – 64Bits	Yes
HSC301 LMP [4]	Rolling Code – 64Bits	Yes

Notes:
1 – SC5262/SC5272, HX2262/HX2272, PT2262/PT2272
2 – eV1527, RT1527, FP1527 or HS1527
3 – HT6010, HT6012, HT6014
4 – LMPAutomation remotes implement the standard Rolling Code security measurements.

ADVANTAGES

The RXUL01 Receiver is a development of RXU01, but it still maintain some of the advantages of RXU01:

- It was designed and tested in order to obtain the best in class results. Due to the Radio board with an expressive -102dB reception sensibility, reception range can be up to 80m with wire antenna, or 150m with rod antenna.
- Wide Voltage supply capability will ensure no restrictions in field applications.
- New Software algorithms guarantee simultaneous compatibility with Fixed and Rolling Code transmitters, maintaining security of Rolling code with LMPAutomation transmitters.

TECHNICAL SPECIFICATIONS

Receiver Model	RXUL01
Power Supply Voltage	12-24 VAC/DC – 230VAC
Nominal Current	12 mA (Standby)
Output Channels	4-8
Storable Codes/Remotes	250
Reception Frequency	315 or 433MHz / -102dB
Reception Range	Up to 50/100m [1]
Ambient Temperature	-20 – 55°C
Protection Class	IP 00
Dimensions	100x100x20mm
Output Type	NO or NC Relay Contact Max. 230VAC/5A

Notes:
1 – Reception range will be greatly influenced by external factors such as atmospheric disturbances, obstacles, transmitter battery level, proximity to other receivers, etc. For larger reception range an external antenna must be installed.

INSTALLATION

⚠️ Installation, adjustment and maintenance may only be carried out by trained personnel! Please turn power off before proceed with installation.
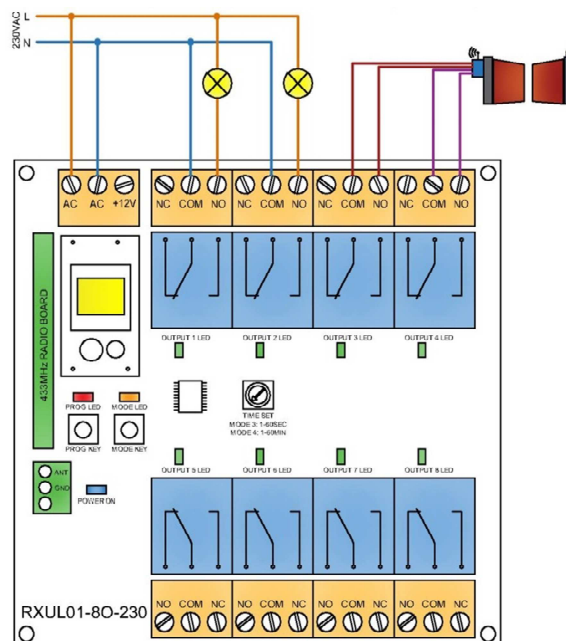
The RXUL01 Receiver can be supported using the four holes on the corners.

Installation and connection of the antenna have to be carried out correctly to ensure a good range. Don't change the length of the wire antenna supplied, otherwise the reception range will be decreased. Stretch the antenna wire, place it upwards and don't let it touch metal parts. The receiver shouldn't also be installed close to metal parts or to other receivers due to radiated frequencies that can reduce reception range.

AVAILABLE MODELS

- RXUL01-4O   4 Relay Outputs
- RXUL01-8O   8 Relay Outputs
- RXUL01-4I4O   4 Opto-isolated Inputs / 4 Relay Outputs

All models can be equiped with na integrated 230VAC/12VDC Power Supply!

WIRING CONNECTIONS EXAMPLES

RXUL01-8O-230

PROGRAMMING

All compatible Encoding Technologies can coexist in the RXUL01 Receiver. Depending on the type of encoders memorized, the maximum stored remotes will vary.

To store a new remote proceed as follow:

1) Press the "PROG" Push-button for 2 seconds. The "PROG. ON" LED will turn ON. It is has the channel 1 selected by default.
2) Press the Remote key you want to store associated to channel 1. The "PROG ON" LED will blink once. For best results press the Remote at the normal working distance. If within the 5 seconds, you can program more remotes.
3) To change the Output mode of channel 1, press the "MODE" Pushbutton. The "MODE" LED will blink to indicate the mode number; 1-Momentary contact; 2-ON/OFF Contact; 3-One to Sixty seconds Contact; 4-One to Sixty Minutes Contact.
4) To store a new remote in other channels, press the "PROG" pushbutton. The "PROG" LED will blink to indicate the selected channel number. Then you can store a remote in this channel, or configure a new mode. You can use the same remote button to different channels.
5) After 6 seconds without pressing a pushbutton, it will exit the programming mode. To store a new remote, repeat from step 2). If the code is already stored on memory, the "PROG" LED will flash quickly. If the storage memory is full, the "PROG" LED will flash quickly for a long time.

ERASE ALL CODES

To erase all codes from the receiver, proceed as follow:

1) Press the "PROG" Push-button for 10 seconds. The "PROG" LED will flash quickly during the erase procedure. Wait until it the "PROG" LED turn off.

LMPAutomation declares that the following products:
- **RXUL01 Receiver**

Are compliant with the applicable regulations of the following directives:
R&TTE 99/5/EC, EMC 2004/108/EC, LVD 2006/98EC