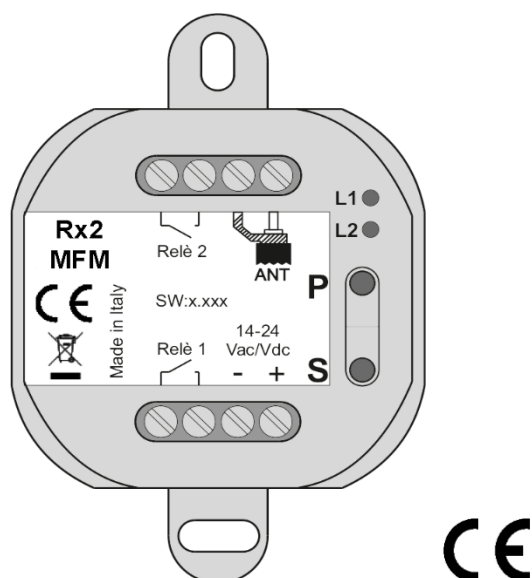


User manual universal receiver

RX2 MFM

1- TECHNICAL FEATURES



Power supply	14-24 Vac/Vdc
Current consumption	20mA typical, max. 50mA
Relay	2
Relay Contact	Clean contact 5A 30Vdc / 5A 250Vac
Relay configuration	Bistable, Impulsive, Timer seconds and Timer minutes
Radio	433.92-868 MHz
Max number of codes	40
Box size	53x76x24 mm
Operating temperature	- 20° C / +70° C

2- WARNINGS



Dear Customer, thank you for purchasing one of our products. We kindly ask you to carefully read and keep this user manual as it provides important information regarding the operation and safety of the device.

- The descriptions and diagrams in this user manual are not binding. Eutech Electronics S.r.l. while maintaining the main characteristics of the equipment unaltered, it reserves the right at any time and without obligation to update this user manual for technical improvements or for any other commercial reason.
- The equipment must be intended exclusively for the use for which it was designed. Any other use is to be considered improper and therefore dangerous.

3- WARRANTY

The product is guaranteed for a period of **24 months** from the date of construction or from the documented date of installation. This warranty is void in the event of lack of the appropriate label, in the case of tampering or improper use, in the case of damage caused by atmospheric events and in any case not dependent on the construction and quality of the product.

The guarantee is also void if original parts of the manufacturer are not used for repairs or maintenance.

4- REGISTRATION OF REMOTE CONTROLS

Up to 40 codes can be memorized in the receiver.

NOTE: each button of the remote control corresponds to a code.

Example: if all the channels of a 4-button remote control are recorded, 4 codes are entered in the receiver.

- Press the **P** button of the receiver to select relay 1, the **L1** LED starts flashing. To switch to relay 2, press the **P** button again, the **L2** LED starts flashing.
- After selecting the desired relay, press the button of the remote control you want to record and keep it pressed until the **L1** and **L2** LEDs remain on, a few seconds may pass before the receiver decodes the new code.
- Repeat the operation for all the codes you want to enter in the receiver.

4.1- HCS remote controls registration procedure:

- Press the **P** button of the receiver to select relay 1, the **L1** LED starts flashing. To switch to relay 2, press the **P** button again, the **L2** LED starts flashing.
- After selecting the desired relay, press the button of the remote control you want to record and keep it pressed until the relay LED (**L1** or **L2**) starts to emit two slow flashes.
- Transmit the SEED code via the hidden button, or buttons combination. If you do not know the procedure, or do not have the possibility to transmit the SEED code, continue to press the button of the remote control you are trying to register, this will be stored as a fixed code.

5- REMOTE CONTROLS REMOVAL

This function allows you to individually delete the remote controls inside the receiver:

- Press the **P** button of the receiver, the **L1** LED starts flashing, then press the **S** button.
- The **L1** and **L2** LEDs light up steadily.
- Press and hold down the button of the remote control that you want to delete until the LEDs **L1** and **L2** turn off. The remote control has been successfully deleted.
- Repeat the operation for all the codes you want to delete.

6- RELAY CONFIGURATION

The relays are configurable in four different modes:

- **Bistable:** the state of the relay is maintained until another pressure of the associated remote control. When the button of the remote control is pressed, the relay contact closes, the next time it is pressed, it opens.
ATTENTION: the absence of power returns the output to its rest state, i.e. open contact.

- **Impulsive (factory setting):** the relay contact remains closed for the entire duration of the pressure on the associated remote control, once released it opens.
ATTENTION: any disturbances can open the contact even if the remote control button is still pressed.
- **Timer seconds:** in this mode it is possible to set a time in seconds after which the relay contact opens. By default, the timer has a setting of 30 seconds.
ATTENTION: the timer is reloaded every time an associated transmitter is pressed.
- **Timer minutes:** in this mode it is possible to set a time in minutes after which the relay contact opens. By default, the timer has a setting of 30 minutes.
ATTENTION: the timer is reloaded every time an associated transmitter is pressed.

6.1- Relay 1 and 2 configuration procedure:

- Press and hold the **S** button on the receiver for about 5 seconds.
- The **L1** LED relating to relay 1 starts flashing, to switch to relay 2 press the **S** button, then the **L2** LED starts flashing.
- The LED (**L1** or **L2**) of the selected relay flashes according to the set mode:

1 flash	☼	BISTABLE
2 flashes	☼ - ☼	IMPULSIVE
3 flashes	☼ - ☼ - ☼	TIMER SECONDS
4 flashes	☼ - ☼ - ☼ - ☼	TIMER MINUTES

- Press the **P** button to change the desired operating mode. Each time the **P** button is pressed again, the configuration passes to the next mode in a cyclic manner.
- Exit the configuration by repeatedly pressing the **S** button until the LEDs go off.

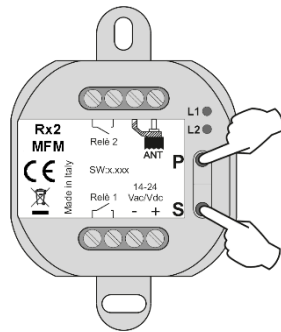
6.2- Timer settings:

- While in timer mode (seconds or minutes) hold down the **S** button for about 2 seconds and wait for the LED (**L1** or **L2**) to flash regularly (one flash per second).
- Hold down the **S** button and count the number of flashes of the LED you want to set as seconds or minutes.
Example: count 5 LED flashes to set 5 seconds/minutes depending on the previously selected mode.
- Once you have counted the flashes you want to set, release the **S** key.

7- REMOTE CONTROLS RESET

This function allows you to delete all the remote controls inside the receiver.

Press and hold the **P** and **S** keys for about 10 seconds, wait until the **L1** and **L2** LEDs flash quickly, then release the buttons.



8- ERROR CODES

The error messages are identified by the LEDs **L1** and **L2**:

L1	L2	Descrizione
Flash	☼	Code not found
☼	Flash	Codes memory full
•	Flash	Frequencies memory full

- **Code not found:** during the cancellation of a remote control, it is not correctly recognized. Verify that it has been previously stored and retry the deletion operation.
- **Codes memory full:** the receiver memory is full and you want to memorize a new remote control. Delete a remote control not in use and try again.
- **Frequencies memory full:** you are trying to register a new remote control with a transmission frequency different from the previous ones.

The number of frequencies that can be memorized on the receiver is limited but it will still be possible to memorize other remote controls with the same frequency as the previous ones.

9- WEEE DISPOSAL

Disposal of the device must be carried out in compliance with the regulations in force regarding electrical equipment and it is advisable to separate them from domestic waste by contacting local waste collection centers.

