



IS235Rev00 10/03/2020

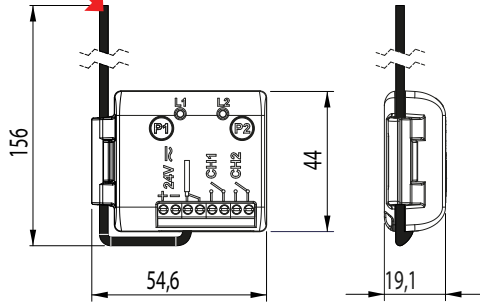
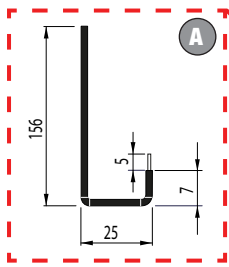
R93/RX20/U

Ricevitore Radio Radio Receiver

Istruzioni originali



IT - Istruzioni ed avvertenze per l'installatore
EN - Instruction and warnings for the installer
DE - Anleitungen und Hinweise für den Installateur
FR - Instructions et avertissements pour l'installateur
ES - Instrucciones y advertencias para el instalador
PT - Instruções e avisos para o instalador



Mantenere il filo dell'antenna come indicato nel dettaglio A

Keep the antenna wire as shown in detail A

Fig. 1

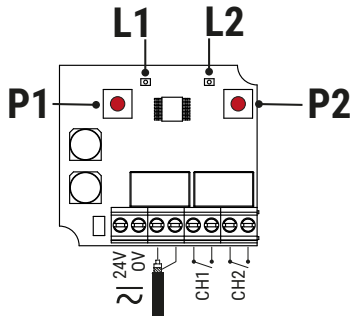
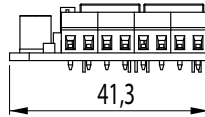
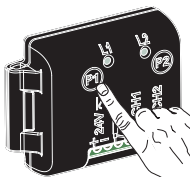


Fig. 2

ESEMPIO - EXAMPLE



1 click



Fig. 3




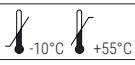
1 WARNINGS!

This installation manual is intended for qualified personnel only. ROGER TECHNOLOGY cannot be held responsible for any damage or injury due to improper use or any use other than the intended use indicated in this manual. Since the **R93/RX20/U** receiver is a component designed for wide use in various installation modes, it is the installer's responsibility to check the safety requirements applicable to the entire system.

Before installing the product, make sure it is in perfect condition: In case of doubts, do not use the product and refer exclusively to professionally qualified personnel.

The **R93/RX20/U** radio receiver must be powered by a class 1 source (ES1 - safety extra-low voltage SELV). The source must be of limited power with adequate protection against overcurrents and short circuit (PS1). Use a 50mA delayed acting fuse to protect the device (T50mA).

2 Technical specifications

	R93/RX20/U
POWER SUPPLY	24 
CONSUMPTION	30 mA
NUMBER OF OUTPUTS	2
TYPE OF OUTPUTS	RELAY
TYPE OF DECODING	FIXED CODE
NUMBER OF COMBINATION CODES	65.536
NUMBER OF CODES THAT CAN BE STORED (TRANSMITTERS)	50
RELAY MAXIMUM CURRENT AND VOLTAGE (RESISTIVE LOAD)	0,5A 24V  / 30V 
RECEPTION FREQUENCY	433.92 MHz
MODULATION	AM/ASK
SENSITIVITY	-107dBm
INPUT IMPEDANCE	50Ω
ANTENNA CONNECTION	RG58 Cable (max length 10m). Avoid cables with joints. As an alternative it is possible to use a wire of 1 mmq section pre-formed as in fig 1, detail A.
OPERATING TEMPERATURE	 -10°C / +55°C
DIMENSIONS (mm)	54,6x44x19,1

3 Description of the Series R93/RX20/U radio receiver

The Series R93/RX20/U receivers (fig. 1-2) are equipped with two channels (CH1 / CH2) with normally open relay output.

4 Storing a remote control key in the receiver (Fig.3)

1. Insert/connect the receiver to the control unit
2. Switch the controller unit on.
3. Press **P1** or **P2** once (depending on the function to be enabled) on the receiver.
4. When LED L1 or LED L2 on the receiver flashes slowly, press the key on the transmitter that you want you to combine with that function.
5. When LED L1 or L2 remains on for 1 second, the transmitter has been stored.
6. LED L1 or L2 flashes slowly again and other transmitters can be stored during this time.
7. Quitting the procedure is done automatically if no further transmitters are stored.

NOTE:

- During the storing stage, should LED L1 or L2 fail to switch on or should some fast flashing occur, it means that the transmitter was already saved on the other channel.
- It is impossible to store the same key of the transmitter on both channels of the receiver.
- During the storing stage, should LED L1 and L2 flash rapidly for 4 s, it means that the memory is full.

5 Receiving a code

When the receiver radio receives a stored code, LED L1 or L2 switches on and the corresponding output gets activated.

Should the code not have been stored, LED L1 and L2 switch on briefly.

6 Cancellation of a code

1. Press for 4 seconds button P1 or P2 on the receiver relative to the channel on which the code of the transmitter is to be cancelled. LED L1 or L2 switches on permanently to then flash rapidly.
2. Release button P1 or P2. LED L1 or L2 flashes rapidly for 4 s.
3. Press the button of the transmitter to be cancelled.
4. The LED L1 or L2 lights for 1 s.
5. The code was cancelled.
6. To cancel another code, repeat the procedure.

NOTE:

- If the code was not stored, LED L1 or L2 flashes rapidly.

7 Complete memory erasure

1. Press simultaneously buttons P1 and P2 for 4 seconds on the receiver.
2. LED L1 and L2 flash simultaneously (5 flashes).
3. The memory is erased

NOTE. It is suggested that a total erasure of the memory gets carried out at first switch-on.

8 Anomalies alert

- If LED L1 or L2 flashes rapidly and continuously, it means that the memory is damaged. The receiver cannot operate.

9 Disposal



This product may only be uninstalled by qualified technical personnel, following suitable procedures for removing the product correctly and safely.

This product consists of numerous different materials. Some of these materials may be recycled, while others must be disposed of correctly at the specific recycling or waste management facilities indicated by local legislation applicable for this category of product.

Do not dispose of this product as domestic refuse. Observe local legislation for differentiated refuse collection, or hand the product over to the vendor when purchasing an equivalent new product. Local legislation may envisage severe fines for the incorrect disposal of this product. Warning! some parts of this product may contain substances that are harmful to the environment or dangerous and which may cause damage to the environment or health risks if disposed of incorrectly.

10 Declaration of Conformity

The undersigned, representing the following manufacturer
Roger Technology - Via Botticelli 8, 31021 Mogliano V.to (TV)
herby DECLARE that the appliance described hereafter:

Description: Radio Receiver

Model: **Serie R93/RX20/U**

is in conformity with the legislative provisions that transpose the following directives:

- 2014/53/EU RED Directive;

- 2011/65/EU RoHS Directive;

- 2015/863/EU - Direttiva RoHS 3;

and that all the standards and/or technical requirements indicated as follows have been applied:

EN 300 220-1 V3.1.1;

EN 300 220-2 V3.2.1;

EN 301 489-1 V2.2.1;

EN 301 489-3 V2.1.1;

EN 62368-1:2014+A11:2017+AC:2017

Place: Mogliano V.to

Date: 30/09/2019

Signature