

RCL-08 REMOTE

Range of RECEIVERS and MICRO RECEIVERS



RCL-08



RC-LO



microRC-LO



microRC-LO-SC

MAQUINAS Y CONSUMIBLES PARA CAMPOS DE TIRO SL

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INDEX

1 GENERAL DESCRIPTION RCL-08 REMOTE	2
2 MAIN PARTS.....	2
3 PRIOR TO FIRST USE.....	2
4 GENERAL DESCRIPTION OF RECEIVERS AND MICRO RECEIVERS	4
5 PROGRAMMING MODE	4
6 ADVANCED PROGRAMMING.....	5
7 WIRING DIAGRAMS	7
8 REMOTE DEVICE USE.....	8
9 SAFETY	8

1 GENERAL DESCRIPTION. RCL-08 REMOTE

The RCL-08 is a long distance transmitter with the following characteristics:

- Range up to 500mts
- 8 buttons for handling 8 machines
- Allows up to 8 machines simultaneously
- Frequency configurable for different geographical areas
- Low consumption. No consumption at rest
- 3 AAA batteries
- Ergonomic design

2 MAIN PARTS



3 PRIOR TO FIRST USE

Configure the desired field with the 8-position DIP.

Set the frequency of the geographical area with the 2-position DIP.

DIP1 Selection frequency (*): **ON:** USA/Canada **OFF:** Europe.

DIP2: **OFF:** low consumption.

Place batteries in the correct position.

(*). Ask for other areas

Fields set-up chart



4 GENERAL DESCRIPTION OF RECEIVERS AND MICRO RECEIVERS

Direct insert or cable extension receivers for any type of clay machine

- Auto programmable
- Up to 40V (RC-LO)



RC-LO

Long distance receiver with cable

- Range up to 500 mts
- Up to 15 machines simultaneously (Adding relay board)
- Frequency configurable for different geographical areas
- Easily programmable without opening the box
- Up to 40 V



microRC-LO

Long distance receiver with direct insertion to the machine connector

- Range up to 500 mts
- 1 channel
- Wireless
- Frequency configurable for different geographical areas
- Easily programmable without opening the box
- Up to 12V



microRC-LO-SC

Long distance receiver without connector


- Range up to 500 mts
- 1 channel
- Wireless
- Frequency configurable for different geographical areas
- Easily programmable without opening the box
- Up to 12V

5 PROGRAMMING MODE

First, put the **remote in programming mode**. On the **RCL-08 model**, when pressing the G+H keys simultaneously, the LED will flash red. This indicates that we will already be able to program the receivers. We have 20 pulses to program the receivers before it automatically exits programming mode.

For programming the **RC-LCD-LO remote**, consult user guide

The **micro receiver is easily programmed** using just one magnet as detailed below.

The micro receiver has a visible mark on one of the side walls () This mark indicates the place where the chip is housed inside




Pass a magnet (provided) on the marked side and in the correct polarity. The receiver must be connected to the machine we want to program. Show LEDs in blue to indicate that it is ready to be paired

Select the desired machine by pressing the button with the desired letter on the corresponding field remote. You have 5 seconds after passing the magnet

The LED will emit a pulse in **RED** by correctly memorizing the selected letter on the remote. A long pulse in **RED** indicates a memorization error

Automatically, the machine will release indicating that it has been successfully programmed

 **ATTENTION.** Do not put yourself in the trajectory of the clay or in the field of action of the launch arm when performing these operations. **Ensure that no one is in the range of the machines when the remote is being manipulated**

In **Frequency 868 Mhz (Europe)**, the number of pulses in **BLUE** emitted by the LED indicates the remote number to which the receiver is paired. Each pulse corresponds to one of the 8-position DIP switch on the remote. A short pulse indicates OFF and a long pulse indicates ON. The combination of these pulses will mark the configured field (see “Fields set-up chart”)

The number of pulses in **GREEN** indicates the machine letter (e.g. 1 pulse > maq. A, 2 pulses > maq. B, ...)

At **frequency 915 Mhz (USA/Canada)** all colours are reversed

6 ADVANCED PROGRAMMING

SIMULTANEOUS

The **RCL-08** allows you to release more than one machine at a time by pressing several letters at a time. However, to facilitate the work of referees and shooting range personnel, **simultaneous releases can be programmed by pressing a single letter**

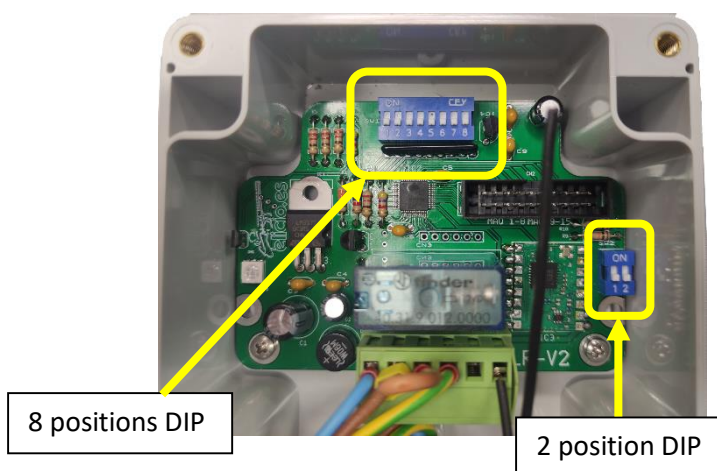
To do this we must use one of the letters that remain free after configuring the machines. When configuring the receivers that we want to be part of the simultaneous, we will press on the remote, **at the same time**, the letter that corresponds to the machine to be paired and the letter with which we want to fire the simultaneous

Example: If we want a simultaneous of A+B in the letter F (it must be free and without pairing with any other machine), when matching the machine receiver A we will press at the same time A+F. Then, when matching the machine receiver B we will press at the same time B+F

When we press F, A+B will be released simultaneously

AMERICAN TRAP / TANDEM

With the RC-LO receiver, **adding a relay board**, we can operate in American trap and tandems



15 relay board. 6 relay board also available

2 position DIP

- **Dip 1:** in **ON** position activates the signal return of the 15 channels. Allows us to check that the machine has released. Necessary to connect with remote RCL-LCD-LO and with SC-LO
- **Dip 2:** NC (libre)

8 positions DIP

- **Dip 1:** ON > Machine 1. Activate the movement timer on channel 14
- **Dip 2:** ON > Machine 2. Activate the movement timer on channel 14
- **Dip 3:** ON > Machine 3. Activate the movement timer on channel 15
- **Dip 4:** ON > Machine 4. Activate the movement timer on channel 15
- **Dip 5:** ON > Machine 5. Activate the movement timer on channel 15
- **Dip 6:** ON > For mixed installations SPORTING+AMERICAN TRAP, **connecting a receiver in the movement** of the AMERICAN TRAP machine, can block that movement to operate in SPORTING mode. To unlock again > OFF
- **Dip 7:** ON > AMERICAN TRAP connecting to SC-LO device
- **Dip 8:** NC (libre)

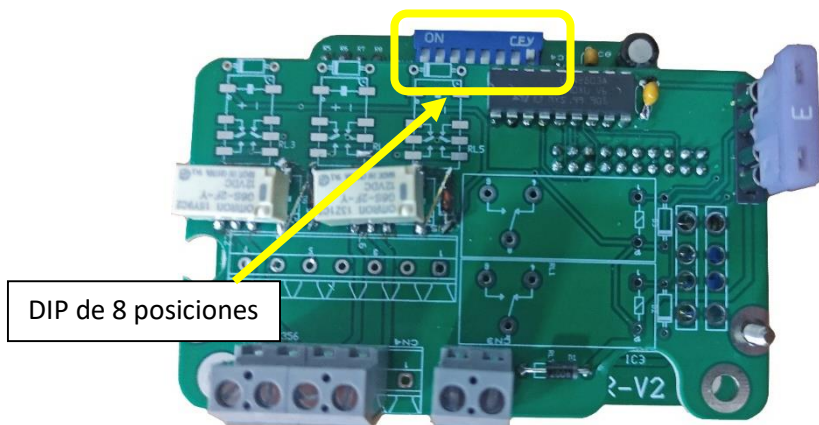
The **H button** activates the movement timer in American Trap mode / Tandem

The **G button** deactivates the timer and moves to manual motion while pressing this button

The **F button** simultaneously releases all activated machines (dip ON)

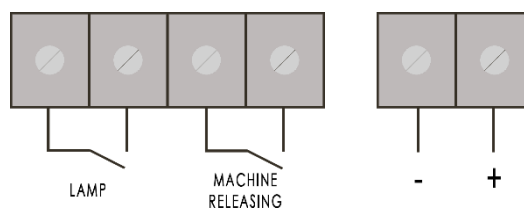
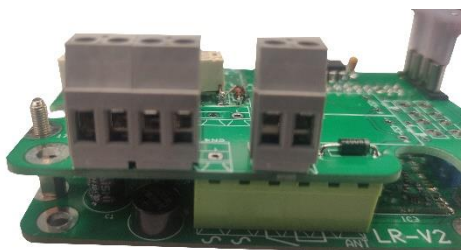
SKEET

The RC-LO receiver also allows (adding the specific board) to operate in SKEET mode



8 positions DIP

- Dip 1: OFF
- Dip 2: OFF
- Dip 3: OFF
- Dip 4: OFF
- Dip 5: OFF
- Dip 6: OFF
- Dip 7: OFF
- Dip 8: ON



Program the corresponding machine receiver with the RCL-08 control.

- **A:** Pull
- **B:** Mark

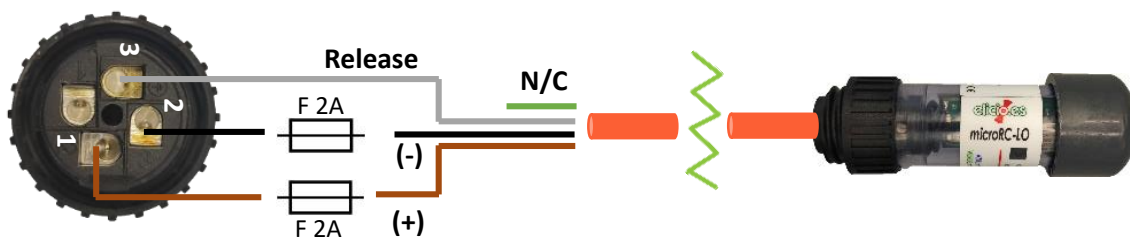
The releasing commands are as follows:

- Botón **A:** PULL with random delay
- Botón **B:** MARK with random delay
- Botón **C:** Double with random delay
- Botón **D:** empty
- Botón **E:** PULL
- Botón **F:** MARK
- Botón **G:** Double
- Botón **H:** empty

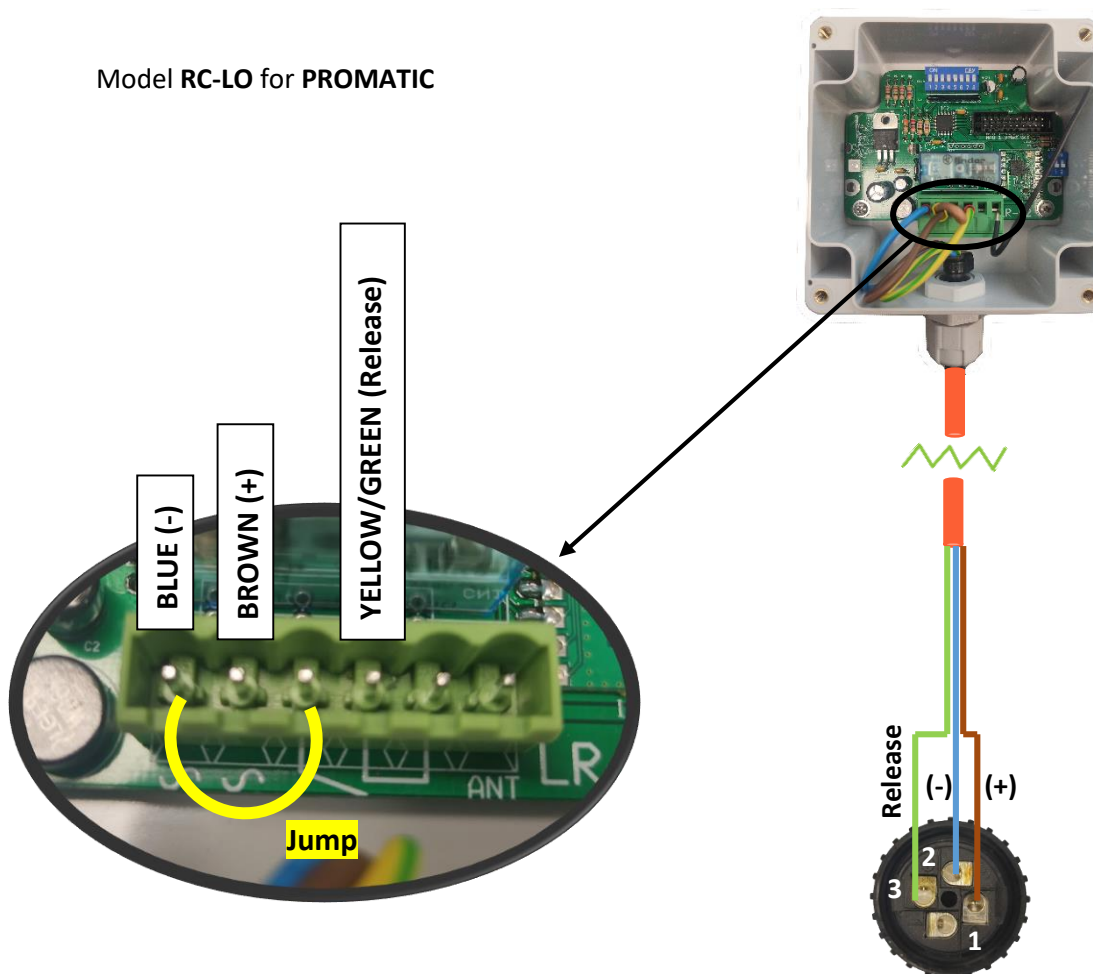
7 WIRING DIAGRAMS

Depending on the machine brand to use, it will be necessary to configure the connection scheme as detailed below

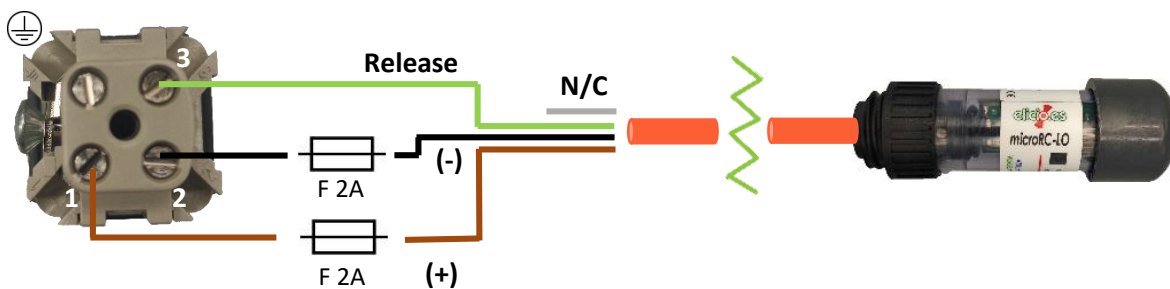
Model **microRC-LO-SC** and **microRC-LO** for **PROMATIC**



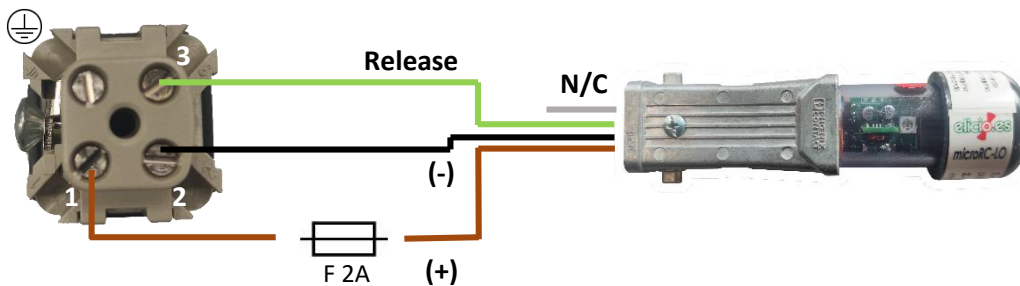
Model **RC-LO** for **PROMATIC**



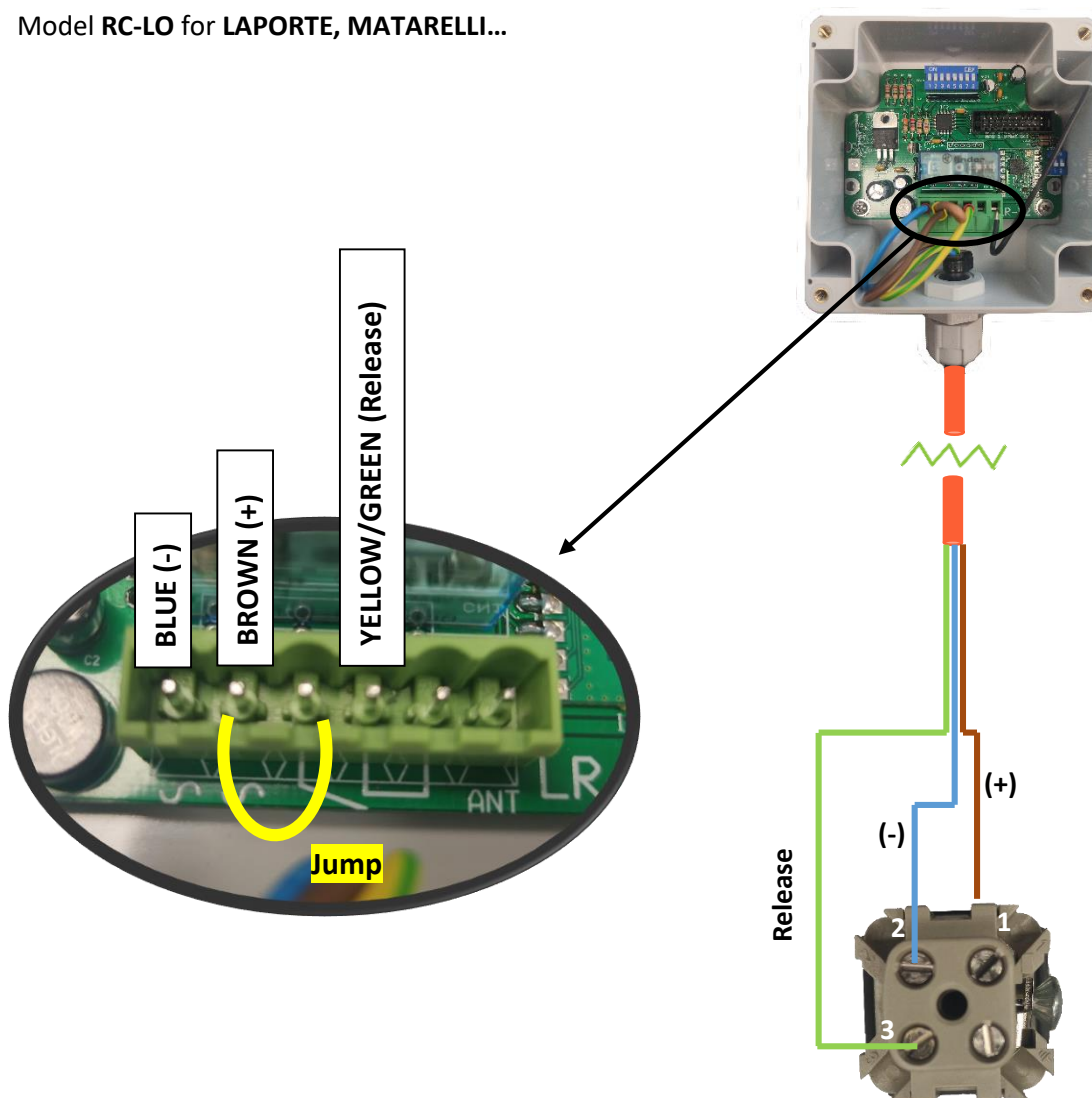
Model **microRC-LO-SC** for LAPORTE, MATARELLI...



Model **microRC-LO** for LAPORTE, MATARELLI...



Model **RC-LO** for LAPORTE, MATARELLI...



8 REMOTE DEVICE USE

Once the field, frequency and receivers have been configured, the remote shall be available for use

Pressing each of the letters will release the paired machines.

If you press each letter individually, it will trigger each machine one at a time. Pressing 2 keys at once will trigger both machines at once (simultaneously)

If we have programmed the simultaneous in a single button (see "*Advanced programming*"), it will only be necessary to press the letter in which it has been paired

You can press as many keys at once as desired (up to 8), thus shooting multiple machines at the same time

9 SAFETY



ATTENTION. Do not put yourself in the trajectory of the clay or in the field of action of the launch arm when performing these operations. **Ensure that no one is in the range of the machines when the remote is being manipulated**



Any maintenance operation must be carried out by **qualified personnel**.



Do not manipulate any part of the control (electronic board, battery, ...).



Always use the **specified batteries**.



Mandatory use of **safety goggles and hearing protection** to exercise the shot.