INSTRUCTIONS FOR INSTALLATION AND USE OF CONTROL UNIT EP095CR1-2-8

Multi-Pull

INDEX

1. GENERAL INFORMATION

The "EP095CR" Receiver allows a shooting range to be run, in a fully automatic way, in the overall sporting disciplines suitable today.
This unit is a multi-channel transreceiver that is used to drive till 8 traps and communicate by WiFi with the main consolle: the EP095CM multipurpose unit or the EP095M-WiFi control unit.

2. COMPOSITION

The unit "EP095CR" consists of one plastic box with inside a board with the transreceiver and some relays.
The output of the relays are the two "dry contacts".

The unit can be configured like in the following:

EP095CR1:   with only one relay. Then it's necessary to select the output for the trap machine used, setting the dip from 5 to 8

EP095CR2:   with only two relays. Then it's necessary to select the output for the trap machine used, setting the dip from 5 to 8. The relay 1 corresponde to the selected trap, the second relay correspond to the next output.

EP095CR8:   with 8 relays. Then it's necessary to setup the dip from 5 to 8 all in OFF.

3. TECHNICAL CHARACTERISTICS OF THE UNIT

Power:	from 9v till 12v dc or ac
WiFi frequency:	865KHz ÷ 867KHz
Maximum output power:	27 dBm
Sensitivity:	-109 dBm
Operating temperature range:	0°C ÷ +45°C
Dimensions:	200 x 150 x 80 mm. for CR8
	155 x 114 x 70 mm. for CR1 or 2
Total weight:	0.3 Kg.

4. OPERATION

Inside the unit there is a dip switch DP1 with the following functions:

Frequency Channel	Dip 1	Dip 2	Dip 3	Dip 4
Channel 1	ON	ON	ON	ON
Channel 2	OFF	ON	ON	ON
Channel 3	ON	OFF	ON	ON
Channel 4	OFF	OFF	ON	ON
Channel 5	ON	ON	OFF	ON
Channel 6	OFF	ON	OFF	ON
Channel 7	ON	OFF	OFF	ON
Channel 8	OFF	OFF	OFF	ON
Channel 9	ON	ON	ON	OFF
Channel 10	OFF	ON	ON	OFF
Channel 11	ON	OFF	ON	OFF
Channel 12	OFF	OFF	ON	OFF

Trap Machine	Dip 5	Dip 6	Dip 7	Dip 8
CR1 only Trap 1	ON	ON	ON	ON
CR1 only Trap 2	OFF	ON	ON	ON
CR1 only Trap 3	ON	OFF	ON	ON
CR1 only Trap 4	OFF	OFF	ON	ON
CR1 only Trap 5	ON	ON	OFF	ON
CR1 only Trap 6	OFF	ON	OFF	ON
CR1 only Trap 7	ON	OFF	OFF	ON
CR1 only Trap 8	OFF	OFF	OFF	ON
CR2 only PULL	OFF	ON	ON	OFF
CR2 only MARK	OFF	OFF	ON	OFF
CR8 only Trap 1 to 8	OFF	OFF	OFF	OFF
CR8 only for adjustment	ON	ON	OFF	OFF

Inside the Transmitter (EP095CM or EP095M control unit) it's possible to select the number of range. Then to correctly setup the dip switches inside the EP095CR it's necessary to know the correspondance between the ranges/channels. The table below illustrate this correspondance:

Range	WiFi Channel	Range	WiFi Channel	Range	WiFi Channel	Range	WiFi Channel
1	1	16	2	31	3	46	4
2	5	17	6	32	7	47	8
3	9	18	10	33	11	48	12
4	2	19	3	34	4	49	1
5	6	20	7	35	8	50	5
6	10	21	11	36	12	51	9
7	3	22	4	37	1	52	2
8	7	23	8	38	5	53	6
9	11	24	12	39	9	54	10
10	4	25	1	40	2	55	3
11	8	26	5	41	6	56	7
12	12	27	9	42	10	57	11
13	1	28	2	43	3	58	4
14	5	29	6	44	7	59	8
15	9	30	10	45	11	60	12

Only for the model EP095-CR8 it's possible to "duplicate" the outputs from 9 to 16. On DP2 select the dip no. 1 on position ON to set the receiver for outputs from 1 to 8. On DP2 select the dip no. 1 on position OFF to set the receiver for outputs from 9 to 16.

EP095CR1 or 2

Dip →
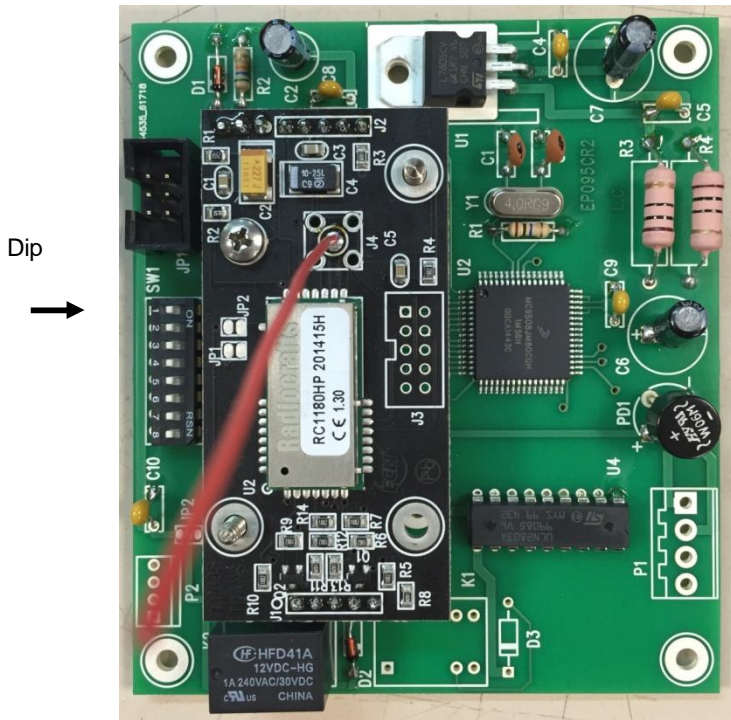
For EP095CR1

There is a plug with 4+1 pins on the box:

- pin 1:   +12vdc
- pin 2:   gnd
- pin 3:   free contact relay 1
- pin 4:   free contact relay 1
- pin 5:   not connected

For EP095CR1 US version
There are no plugs, but a cable (L = 1 m)
with 4 wires: Yellow +12V; Green return;
White free contact 1; Brown free contact 1

For EP095CR2

There is a plug with 4+1 pins on the box:
- pin 1:   +12vdc
- pin 2:   gnd
- pin 3:   not connected
- pin 4:   not connected
- pin 5:   not connected

There is a plug with 4 pins on the box:
- pin 1:   free contact relay 1
- pin 2:   free contact relay 1
- pin 3:   free contact relay 2
- pin 4:   free contact relay 2

For EP095CR2 US version
There are no plugs, but a cable (L = 1 m)
with 4 wires: Yellow +12V; Green return;
White free contact 1; Brown free contact 1

the second cable with 2 wires:
White free contact 2; Brown free contact 2

EP095CR8

DP2

free contacs of relay 1

free contacs of relay 2

"

"

"

free contacs of relay 8
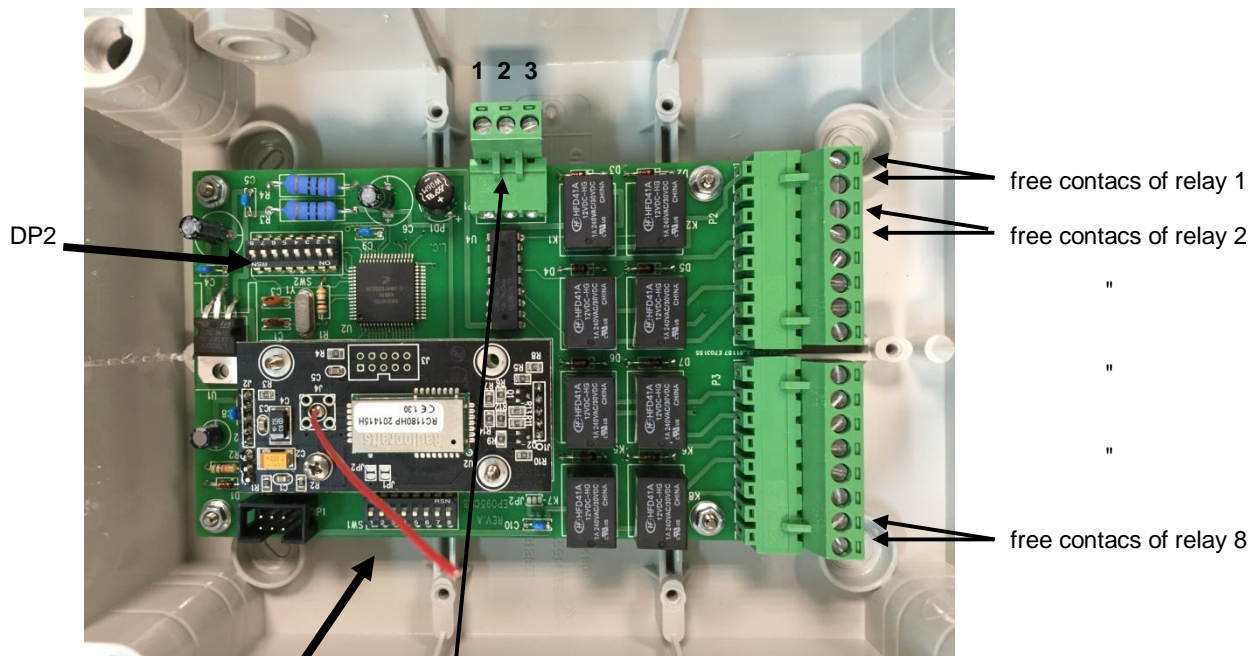
Dip to operate is DP1

The power (plug with 3 pins):   +12vdc on pin 1
                                        gnd on pin 3

5. GUARANTEE AND ASSISTANCE

Elettronica Progetti products are guaranted to the original purchaser for two years from the date of purchase as shown on a valid receipt issued by the seller.

This guarantee does not affect the consumer's rights under European Directive 99/44/CE regarding certain aspects of the sale and guarantee of consumer goods; consumers should address claims under these provisions to the retailer where they purchased the goods.

This guarantee is effective in countries where European Directive 99/44/CE has been implemented. Local guarantee legislation applies in other countries.

During the guarantee period, Elettronica Progetti will repair products with defects in workmanship or materials at no charge to the customer for either labour or materials.

Travel expenses are at charge of costomer.

To have work performed under guarantee, consumers must contact an Authorized Elettronica Progetti Technical Assistance Centre, or the Elettronica Progetti company at the following address:

Elettronica Progetti
Via Traspontina, 25
00040 Ariccia (RM) – Italy
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Fax: +39 06 9344987
Email: info@elettronicaprogetti.com

Before to send the unit to repair, operate like described:

1. Specify the type of failure
2. Specify the serial number of the control unit (see the label on the bottom)
3. Wait for the autorization to send back to the factory the unit

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