



EVO

handheld radio control

ELCA
RADIOCONTROLS

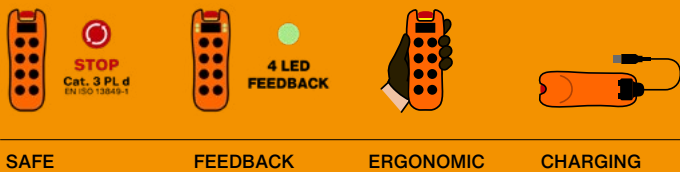
EVO

handheld radio control

EVO is the ELCA handheld that controls machines and industrial lifting and handling systems by radio, in full compliance with current regulations. It consists of 6 double release buttons, 1 button with programmable function, start button and STOP mushroom button.

Compact, lightweight and ergonomic with low-consumption electronics and lithium power supply. Two LEDs, green and red, indicate the battery state of charge (up to 40 hours of continuous use). The protective case, supplied standard with each system, must not be removed while charging.

EVO is resistant to shocks and the most severe conditions of use (ABS hull, IP65 protection with compensation valve); it can receive and display on the LED up to 4 signals coming from the controlled machine (transceiver system).



Activation of the handheld protected with an electronic code key and programmable automatic switch off (2, 5, 10 minutes). The replacement of the transmitter does not affect the previously set functions; the pairing procedure is simple and can be carried out directly with the buttons on the handheld.

The system stops automatically in case of radio disturbance; when the operator performs a restart, the first available frequency is chosen.

The "Function" button allows the following functions: impulsive command, command held with and without memory, selection command 1, 2, 1+2 with led indication of the active state.

EVO is suitable for a wide range of application needs.

Every EVO radio control includes: transmitter unit, receiver unit, power supply, ELCA-CLIP, shoulder strap, cover and user manual.



scale 1:1

dimensions: L72xH193xP44 mm
weight: 250 g

FLEXI receiver

The FLEXI receiver unit is designed for easy installation (it unfolds to open with components accessible from all sides, spring terminals for quick wiring, internal antenna, "easy-in" cable kit for distribution of the common functions). The following are available upon request: fastening plates with a quick connection-release, external antenna, ELCA extraflex cable.



Technical data

	Mago	E1
ISM band work frequency	433,050 - 434,790 MHz	433,050 - 434,790 MHz
Working temperature	-25 ÷ +55 °C	-25 ÷ +55 °C
Operating range	100 m	100 m
Safety functions (according to EN 13849-1):		
- Stop protection	PL d	PL d
- Protection from unintended movements from the rest position (UMFS)	PL c	PL c

Transmitter

EVO

Antenna	incorporated
Power supply	3.7 V lithium polymer battery pack
Current draw	< 30 mA
Absorbed power	< 0,15 W
RF emission power	< 10 mW ERP
1st battery low warning (red LED turns on)	Up to 1 hour of autonomy
2nd battery low warning (red LED flashes quickly)	Up to 5 minutes of autonomy
3rd battery low warning (horn sound)	100 seconds of autonomy
Autonomy with battery charged at 20°C	approx. 20 hours
Protection degree	IP65
Dimensions	72x193x44 mm
Weight	250 g

Receivers

Mago Flexi A

E1 Flexi A

E1 Mini

Antenna	incorporated	incorporated	built-in (OPT: external)
Power supply	48/55/110/230 Vac; 50/60 Hz	48/55/115/230 Vac; 50/60 Hz	12-24 Vdc / 24-48 Vac ~ 50/60 Hz
Absorbed power	< 9 VA	< 15 VA	< 6 W
Maximum capacity of the command circuit contacts	10 A	10 A	10 A in AC1, 10 A in DC1 a 30V
Maximum capacity of the stop circuit contacts	4 A	4 A	4A
Maximum rated current of the safety circuit contacts	4 A	4 A	4 A
Maximum contact voltage	220 Vac; 50/60 Hz	230 Vac; 50/60 Hz	30 Vdc; 125 Vac ~ 50/60 Hz
Protection degree	IP65	IP65	IP65
Dimensions	133x256x88 mm	133x256x88 mm	110x165x50 mm
Weight	1200 g	1600 g	450 g
No. of available controls	up to: 11 On/Off	up to: - 16/24 On/Off - 16 On/Off + 6 proportional - optional expansion board - CAN/Ethernet communication	8 On/Off



ELCA srl
Via del Commercio, 7b
36065 Mussolente (Vicenza) ITALY
Tel. +39.0424.578500 - Fax +39.0424.578520
info@elcaradio.com - www.elcaradio.com

