



# EVO

handheld radio control

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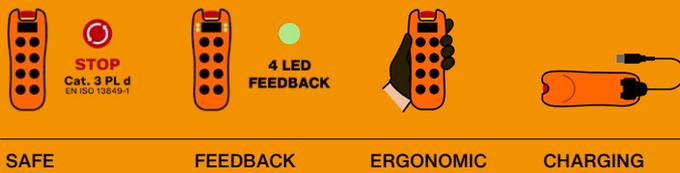
EVO is the ELCA handheld that controls machines and industrial lifting and handling systems by radio, in full compliance with current regulations. It consists of 6 double release buttons, 1 button with programmable function, start button and STOP mushroom button.

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).



scale 1:1



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 (AR E1 MIDI / AR E1 MINI / AR E1 FLEXI / AR MAGO FLEXI), power supply whit USB ELCA-CLIP cable, shoulder strap, cover and user manual.



dimensions: L72xH193xP44 mm  
weight: 250 g

## Technical Data

E1 ELECTRONICS

MAGO ELECTRONICS

ISM band work frequency	433,100 - 434,775 MHz	433,100 - 434,775 MHz opz. 915,050 - 927,800 MHz
Mode of transmission	LBT	LBT
Hamming distance	≥ 9	≥ 9
Passive Stop Time	< 0,5 s	< 0,5 s
Active Stop Time	< 0,1 s	< 0,1 s
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

Power supply	Li-Po battery 3,7V
Operating temperature	-20 / +55 °C
Operating range	100 m
R.F. emitted power	<10mW ERP
Protection degree	IP65



## Receivers

	AR E1 MIDI A	AR E1 MIDI SW	AR E1 FLEXI A	AR E1 FLEXI SW	AR MAGO FLEXI	AR E1 MINI
Power supply	24-230 Vac ~50/60 Hz	12-24 Vdc	48/55/ 110/230 Vac ~50/60 Hz	12-24 Vdc	48/55/ 110/230 Vac ~50/60 Hz	12-24 Vdc (E1 MINI) / 24-48 Vac ~50/60 Hz (E1 MINI A)
Protection degree	IP65		IP65		IP65	IP67
Dimensions (mm)	152x152x75		133X256X88		133X256X88	110x165x50
No. of available controls	up to 12 digital	up to: - 12 digital + 3 proportional - 4 digital feedback inputs	up to: - 16/24 digital - 16 digital + 6 proportional - optional expansion board CanOpen, EtherNet/IP, PROFINET, PROFIBUS communications - 4 digital feedback inputs		up to: - 12 digital - 4 digital feedback inputs	4/8/10 digital



## Optional accessories

Wall bracket with spring opening



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