



# EVO

handheld radio remote control





EVO is a brand new radio remote control, developed and produced by ELCA in full compliance with applicable laws\* for machines and industrial lifting and handling. It consists of 6 double step push buttons, 1 programmable function button, Start and mushroom STOP.

It is compact, lightweight and ergonomic with a low power consumption electronics powered by a lithium battery. Two LED's, green and red, indicate the status of the battery (up to 40 hours of continuous use).

A unique compact power adaptor plugs directly into the transmitter and fully recharges in 4 hours (3 hours autonomy in first 15 minutes).

A unique protective case, standard with every system, does not to be removed during charging.

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EVO is resistant to shocks and all types of severe conditions (the casing made of ABS, IP65, and includes a relief valve). It can receive and display via 4 LED signals coming from the machine control system (return-transmitter).

Activation of the transmitter is protected by an electronic key-code and an auto shut-off option which is programmable (with 2, 5, 10 minutes of inactivity). The replacement of the transmitter does not affect the options previously set and is done via a simple pairing procedure using the keyboard pushbuttons.

The system automatically shuts down in the presence of radio interference, and with the next pressing of the start button, the system automatically chooses and locks onto the first available clear frequency.

The "Function" button allows for the following features: momentary button option, button latching option (push-push) with or without locking memory, possibility to select command 1, 2, 1+2 (with the Led display indicating the active selection).

EVO is suited for all types of applications.



# EVO-FLEXI.A receiver

The receiving unit is designed for easy installation (simple to access from all sides, spring terminals for fast wiring, internal antenna, "easy-in" cable kits provided for the distribution of common-functions). Optional are: mounting plates with quick release-locking system, external antenna, ELCA "extraflex" orange cable.



## Technical Data

Frequency Band	UHF
ISM frequency band	434,050 ÷ 434,790 MHz
Working temperature	-20 ÷ +55 °C
Transport and storage temperature	-40 ÷ +70 °C
Operating Range	100 m
* Safety Functions (according to EN 13849-1):	
- Stop Protection	PL d
- Protection against unintended movement from stand still	PL c

## Transmitter

Transmitter model	AT MAGO-EVO
Antenna	internal
Power supply	lithium pack 3,7 V
Current absorption	< 40 mA
Absorbed power	< 0,3 W
R.F emission power.	< 10 mW ERP
1° low-battery warning (red led indicator)	Up to 1 hour of autonomy remaining
2° low-battery warning (fast blinking red led )	5 minutes autonomy remaining
3° low-battery warning (horn activated )	100 seconds of autonomy remaining
Battery autonomy at 20 °C	Up to 40 hours
Protection Grade	IP65
Dimensions	72x194x43 mm
Weight	300 gr

## Receiver

Receiver Model	AR MAGO-FLEXI.A
Antenna	internal
Power supply (AC)	48/55/110/230 Vac; 50/60 Hz
Absorbed power	< 9 VA
Maximum current to command relays	AC13 8 A
Maximum current of Stop circuit	4 A
Maximum current of Safety circuit	4 A
Maximum contact voltage	230 Vac
Protection Grade	IP65
Dimensions	135x255x85 mm
Weight	1,2 Kg



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scale 1:1

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Weight: 300 g