



MIA

handheld radio control

MIA is the ELCA push-button panel for the radio control of industrial lifting and handling machines with a high degree of safety.

The maximum configuration includes mushroom start and stop buttons (PId), 23 on/off controls (10 double-release buttons and 2 single-release buttons, toggle switch and potentiometer for proportional control).

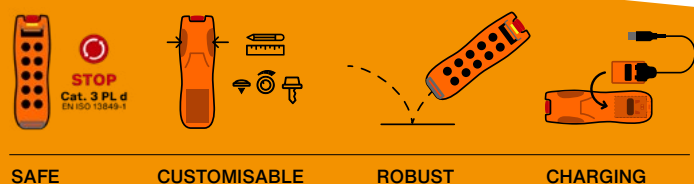
Compact, light-weight, ergonomic. Interchangeable lithium battery and low-consumption electronics permit up to 20 hours of continuous use (luminous and acoustic notice of low residual capacity).

Innovative battery with integrated charging electronics connected directly to the "ELCA-CLIP" power supply cable; 4 hours for complete charging (15 minutes for 3 hours of autonomy).

The optional cable with USB terminal can be used with portable battery chargers.

The MIA push-button panel resists impacts and harsh conditions of use: case made of ABS, IP65, compensation valve.

External housing for extra protection (optional).



The two-way system provides up to 4 input signals to the receiver connected to the machine with status display leds.

Also available in a version with a display and 8 main double-release control buttons.

Electronic activation key with customisable code.

Programmable automatic shutdown: 2/5/10'.

The transmitter is easy and fast to replace without having to repeat the settings: the univocal code and set functions are stored in a removable hardware key housed in the accessible water-tight battery compartment.

When turned on, the transmitter automatically selects the first free frequency that is available to guarantee the best signal coverage in any working situation.

The "Function" key permits programmable functions (e.g. hold of any output and combined functions, such as "Master-Slave", "Take-Release" and "Tandem").

Every MIA radio control includes: transmitter unit, receiver unit, rechargeable battery, ELCA-CLIP power supply, shoulder strap, user manual.



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scale 1:1

dimensions: L72xH235xP60 mm
weight: 390 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.

A fastening plate is available upon request with a quick connection-release system, external antenna and ELCA extraflex cable.



Technical data

	E1	E29
ISM band work frequency	433,100 - 434,775 MHz	915 - 928 MHz
Working temperature	-25 / +55 °C	
Operating range	150 m	
Safety functions (according to EN 13849-1):		
- Stop protection	PL d	
- Protection from unintended movements from the rest position (UMFS)	PL c	


Transmitter

Transmitter	Mia
Antenna	incorporated
Power supply	3.7 V lithium polymer battery pack
Current draw	< 45 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	72x235x60 mm
Weight	390 g

Receivers

Receivers	E Flexi A	E Flexi SW
Antenna	incorporated	
Power supply	48/55/115/230 Vac; ~ 50/60 Hz	12-24 Vdc
Absorbed power	< 15 VA	< 15 W
Maximum capacity of the command circuit contacts	10 A	
Maximum capacity of the stop circuit contacts	4 A	
Maximum rated current of the safety circuit contacts	4 A	
Maximum contact voltage	230 Vac; 50/60 Hz	30 Vdc
Protection degree	IP65	
Dimensions	133x256x88 mm	
Weight	1600 g	
No. of available controls	up to: - 16/24 On/Off - 16 On/Off + 6 proportional - optional expansion board CAN/Ethernet communication	



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