



MIA

handset radiocontrol



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MIA is the ELCA radio handset required for the use of industrial lifting and handling machinery and equipment.

Up to 23 on/off commands (2 single, 10 double step buttons, selector 1-0-1, Start and E-Stop (PID) buttons, proportional potentiometer).

Compact, lightweight, ergonomic with low consumption electronics and Lithium battery, the MIA can provide up to 20 hours autonomy in continuous use (low power warning via bright leds and acoustic signals).

An innovative battery with integrated electronics is charged directly by power supply "ELCA-CLIP" and full recharge in 4 hours (15' sufficient for 3 working hours).
Optional cable with USB connection to external charger.

MIA handset is robust and resistant to harsh operating conditions (ABS casing, release valve, IP65 rating).
Protective cover available for extra protection (optional).

The bi-directional transmission allows the MIA transmitter to receive up to 4 input signals from external source of a machine wired directly to the receiver with each input represented by dedicated led indicators on the transmitter.
A MIA version with high definition display + 8 double step buttons is also available.

The transmitter is activated via an electronic activation key sequence with customizable code.
Automatic shutdown can be programmed at 2-5-10'.

When required, transmitting unit can be quickly replaced by transferring the unique coding key and settings; this is housed inside the battery compartment, protected by a waterproof closure.

Upon activation the MIA transmitter automatically selects the first free available frequency to have the best signal coverage, in all working environments.

The "Function" button is programmable: impulsive/latched commands, 1/2/1+2, "Master-Slave", "Take-Release", "Tandem". The active selection is displayed on the top led indicators.



Excellence of MIA design has been recognized by the world prestigious IF Design Award.

Each MIA kit includes a transmitting and a receiving unit, power supply "ELCA-CLIP", rechargeable Lithium battery, adjustable shoulder belt, user manual.



scale 1:1

Dimensions: 72x235x60 mm
Weight: 390 g

MIA Receiver

The FLEXIA receiving unit is designed to be easily installed: hinged opening, components accessible from all sides, spring terminals for quick wiring, internal antenna, cable set, "easy-in", for the distribution of the common-functions.

Available on request:

mounting/fixing plates with quick coupling-release system, external antenna, extra flexible ELCA cable.



Technical Data

| | |
|--|-----------------------|
| Operating range | UHF |
| ISM band working frequency | 434,050 ÷ 434,790 MHz |
| Working temperature | -25 ÷ +55 °C |
| Transport and storage temperature | -25 ÷ +55 °C |
| Operating distance | 150 m |
| * Safety functions (with EN 13849-1): | |
| - Stop | PL d category 3 |
| - UMFS (Unintended movements from standstill position) | PL c |

Transmitter

E1 Mia

| | |
|---|--------------------------|
| Antenna | internal |
| Power supply | Lithium battery 3,7 V |
| Transmission consumption | < 45 mA |
| Absorbed power | < 0,15 W |
| R.F. emission power | < 10 mW ERP |
| 1° low battery warning (red led switched-on) | up to 1 hour of autonomy |
| 2° low battery warning (red led quickly blinking) | up to 5' of autonomy |
| 3° low battery warning (horn signal) | 100" of autonomy |
| Battery autonomy at 20 °C | up to 20 hours |
| Protection level | IP65 |
| Dimensions | 72x235x60 mm |
| Weight | 390 g |

Receiver

E1 Flexi A

E1 Flexi SW

| | | |
|-----------------------------------|-----------------------------|-----------|
| Antenna | internal | |
| Power supply | 48/55/115/230 Vac; 50/60 Hz | 12-24 Vdc |
| Absorbed power | < 15 VA | < 15W |
| Maximum current to the contacts | 10A | |
| Maximum current on Stop circuit | 4 A | |
| Maximum current on Safety circuit | 4 A | |
| Maximum voltage on contacts | 230 Vac; 50/60 Hz | 30 Vdc |
| Protection level | IP65 | |
| Dimensions | 133x256x88 mm | |
| Weight | 1600 g | |



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