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E series

MIA

72x235x60 mm - 390 g



MIA is the ELCA's industrial handheld with 10 double release and 2 single release buttons, programmable, Start and Stop. 4 Led data feedback. Interchangeable lithium battery. Matching key externally accessible. Options: toggle switches, lateral buttons, potentiometer, data display, off-on-off "dead-man" button.

MAGO series - E1 series

EVO

72x193x44 mm - 250 g



EVO is the ELCA handheld for lifting and handling applications with 6 double release buttons, a programmable aux, Start with electronic key, mushroom stop. 4 feedback signal LEDs. Internal Lithium battery, replaceable (40 hours of continuous use). Programmable auto-shutdown, IP65 degree of protection.

MITO series - E series

PIC

125x87x70 mm - 350 g



PIC is a compact waist portable radiocontrol created for forestry winches and a variety of industrial applications. 3 toggle switches to perform 5 commands (up to 8 with second function), mushroom stop button. Led "CHECK" indicates to the operator that the radio connection with the receiver is active. Options: single step pushbutton, proportional potentiometer, data feedback with 4 LEDs (electronics E). Control panel and operating logic can be customised. Stop with mushroom button, up to cat.3 PL d EN ISO 13849-1 (E).

MITO series - E series

VETTA

170x81x74 mm - 400 g



VETTA is a compact, robust and reliable waist portable radiocontrol; 5 toggle switches to execute 9 commands (up to 16 with second function), plus Start and Stop. Options: single step pushbutton, proportional potentiometer, data feedback with 4 LEDs (electronics E). Control panel and operating logic can be customised. Stop with mushroom button, up to cat.3 PL d EN ISO 13849-1 (E).

MITO series - E1 series

MINI+

62x137x35/47 mm - 200 g



MINI+ (plus), small and light handheld transmitter, available in three versions: 4-6-8 keys (MITO, E1). Visible symbols and well-sized buttons; ergonomic, integrated hooks for shoulder strap, cover with belt loop (opt.). Stop with mushroom button, up to cat.3 PL d EN ISO 13849-1 (E1); single and double release buttons (E1) and 4 Led data feedback (E1).

MITO series

MINI

60x113x26 mm - 100 g



MINI is a remote control for industrial automation, offered with versions from 4 to 10 single release buttons and customised control panel. The operating modes are programmable, IP67, floating. Bi-directional LBT technology with automatic frequency change. Led "CHECK" indicates that the transmitter-receiver link is active.

E series - BRAVO series VEDO



251x167x177 mm - 1800 g
251x192x210 mm - 1980 g



VEDO waist portable radiocontrol with “on-top” and side controls, magnetic “CONTACTLESS” hardware key (PIN ID available). Programmable outputs CanBus, PROFIBUS, PROFINET, EtherNet/IP. Interchangeable lithium battery. Optional graphic DISPLAY with CODESYS (IEC 61131-3 compliant). Code key accessible from the outside. Modular perimeter protection.

E series PUNTO



175x140x132 mm - 950 g



PUNTO is a joystick-operated waist portable radiocontrol. Standard configurations for 2 single or double axis on/off joysticks or 2 proportional or 4 single axis joysticks, 3 toggle switches, extractable activation key and Stop button. The transmitter can be customised to meet the specifications provided by the customer. Various actuators are available.

TEL series VAI PUNTO SFERA M

61x145x67 mm
300 g



The ELCA cable controls are used as a backup system for the radiocontrol when it is being serviced or if there are limitations to its use (airports, military sites); when there is not enough space for a fixed control unit on the machine or in addition to it; it is created based on the application requirements (requested commands, cable section and length, connections).

E series - BRAVO series M



285x180x200 mm
1600 g



Waist portable radiocontrol M, flexible with a ample surface space. BRAVO series: up to 8 proportional outputs and 18 digital controls. E series: up to 7 proportional outputs and 28 digital or 42 digital commands. Specific layout with all types of actuators (linear, cross, three-axis joysticks, buttons, toggle switches, rotary selectors, potentiometers). LED for data feedback indications; automatic frequency change.

E series SFERA



241x148x160 mm - 1100 g



SFERA is similar to the PUNTO model, but is slightly larger to house 3 single or double axis on/off joysticks or 3 proportional or 6 single axis joysticks, 5 toggle switches, extractable activation key and Stop button. It can be customised to meet the specifications provided by the customer. Various actuators are available.

Actuator key



- FEEDBACK LEDS
- BUTTON, SINGLE/DOUBLE RELEASE
- METAL BUTTON
- ROTARY SWITCH
- POTENTIOMETER
- KEY / MAGNETIC “CONTACTLESS” KEY
- STOP BUTTON Cat.3 PL d EN ISO 13849-1
- STOP BUTTON Cat.1 PL c EN ISO 13849-1
- DISPLAY
- TOGGLE SWITCHES
- ON/OFF - PROPORTIONAL JOYSTICKS

Receivers

The receiving unit is an integral part of the radiocontrol; it is connected to the electrical panel of the machine to be controlled and is activated by the transmitter with the Start command (ready for the commands).

The model and electronics vary based on the type and number of digital/proportional functions and the power supply (Vac/Vdc).

ELCA receivers are easy to install and can work also in extreme conditions.

Wiring, connections, fixing plates, external antennas upon request.



AR E/MITO MINI
110x165x50 mm



AR MITO DIN
45x140x60 mm



AR E MIDI
152x152x75 mm



AR E/MAGO FLEXI (A/SW)
133x256x88 mm



AR E MAXI (A/SW)
227x276x105 mm



AR BRAVO
210x183x60 mm

CHARGING SYSTEM

Elca-Clip USB	
Power supply USB 220V	
Automatic power supply	
USB Power cable	
Battery charger / Wall supports	
Lithium batteries	
NiMH batteries	
AA batteries	

MIA	EVO	MINI+	MINI	PIC	VETTA	PUNTO	SFERA	M	VEDO
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(opt.) 	(opt.) 	(opt.) 			(opt.) 				
								BRAVO 	
								E 	
		MITO 							

Technical Data TRANSMITTERS

Radio frequency USM band
Power supply
Operating temperature
Operating range
R.F. emitted power
Protection degree

Electronics: E
Models: MIA - EVO (E1) - MINI+ (E1)
PIC - VETTA - PUNTO - SFERA - VEDO - M

E1	E2	E29
433,100 - 434,775 MHz	868,0125 - 870,000 MHz	915 - 928 MHz
MIA, EVO, MINI, MINI+, PIC, VETTA: Lithium pol. batt. 3,7V		
VEDO: LI-TE Li-Ion Battery 7,4 V		
PUNTO, SFERA, M: NiNH PINC-GEH Battery 7,2 V		
-20 / +60 °C		
150 m (EVO 100 m)		
RF 868 / 915 MHz <25mW ERP "auto power tuning" RF 433 MHz <10mW ERP		
IP65		

Electronics: MAGO
Model:
EVO

433,100 - 434,775 MHz opt. 915,050 - 927,800 MHz
Li-Po Battery 3,7V
-20 / +55 °C
100 m
<10mW ERP
IP65

Electronics: Mito
Models:
MINI - MINI+ - PIC - VETTA

868,0125 - 870,000 MHz opt. 434,075 - 434,775 MHz opt. 920,000 - 921,150 MHz
Li-Po Battery 3,7V
-20 / +55 °C
150 m
<5mW ERP
IP65 (IP67 Mini)

Electronics: BRAVO
Model:
VEDO - M

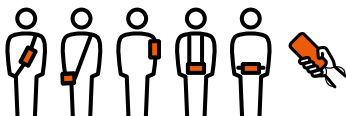
863,0 - 870,0 MHz opt. 433,100 - 434,775 MHz opt. 921,000 - 928,000 MHz
LI-TE Li-Ion Battery 7,4 V
-20 / +55 °C
150 m
RF 868 / 915 MHz <25mW ERP "auto power tuning" RF 433 MHz <10mW ERP
IP65

Technical Data RECEIVERS

Power supply
Protection degree
Dimensions (mm)
No. of available controls

AR E MIDI A	AR E MIDI SW	AR E MAXI A	AR E MAXI SW	AR MAGO FLEXI A	AR E FLEXI A	AR E FLEXI SW	AR E/MITO MINI	AR BRAVO D	AR MITO DIN
24-230 Vac ~50/60 Hz	12-24 Vdc	48/55/ 115/230 Vac ~ 50/60 Hz	12-24 Vdc	48/55/ 110/230 Vac ~ 50/60 Hz	48/55/ 110/230 Vac ~ 50/60 Hz	12-24 Vdc	Mito 12-30 Vdc / 12-24 Vac ~ 50/60 Hz E 12-24 Vdc / 24-48 Vac ~ 50/60 Hz	9-30 Vdc	9-24 Vdc
IP65		IP65		IP65	IP65		IP67	IP67	IP00
152x152x75		227x276x105		133X256X88	133X256X88		110x165x50	210x183x60	45x140x60
up to 12 digital	up to: - 12 digital + 3 proport. - 4 digital feedback inputs	up to: - 42 digital - 37 digital + 3 proportional - 28 digital + 6 proportional - opt. expansion board CanOpen, EtherNet/IP, PROFINET, PROFIBUS com. - 4 digital feedback inputs		up to: - 12 digital - 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		Mito 4/8/10 digital E - 8 digital - CanOpen - 4 digital feedback inputs	36 digital 18+8 proportional + CanOpen communication - 3 digital feedback inputs	8 NPN/PNP OPEN COLLECTOR + 2 analogue

PORTABILITY



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