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E series

MIA



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.

72x235x60 mm - 390 a

MITO series - E series

PIC



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.

125x87x70 mm - 350 g

MITO series - E1 series



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).

MAGO series - E1 series

EVO







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.

72x193x44 mm - 250 g

MITO series - E series

VETTA



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: proportional potentiometer, data feedback with 4 LEDs (electronics E). Control panel and operating logic can be customised.

170x81x74 mm - 400 g

MITO series

MINI



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.

60x113x26 mm - 100 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.

251x167x177 mm - 1800 g

(Display: 251x192x210 mm - 1980 g)

E series **PUNTO**





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.

175x140x132 mm - 950 a



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



Waist portable radiocontrol M, flexible with a ample surface space. BRAVO series: up to 8 proportional outputs and 12 on/off controls. E series: up to 7 proportional outputs and 23 on/off or 42 on/off 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.

285x180x200 mm - 1600 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.

241x148x160 mm - 1100 a

Actuator key





BUTTON, SINGLE/DOUBLE RELEASE

METAL BUTTON

ROTARY SWITCH

POTENTIOMETER

KEY / MAGNETIC "CONTACTLESS" KEY

STOP BUTTON Cat.3 PL d EN ISO 13849-1

DISPLRY **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 on-off/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



133X256X88 mm



AR E MAXI (A/SW) 227x276x105 mm



AR BRAVO 210x183x60 mm



	MIA	EVO	MINI+	MINI	PIC	VETTA	PUNTO	SFERA	M	VEDO
		-	•			-				
	•	-	-	-	-	-				
	•	-	-	-	-	-				
				-						
(opt.)	(opt.)	(opt.)			(opt.)				
									BRAVO	温度 整
							\$100 B	\$16000 G	E	
			MITO							

S	
TRANSMITTER	Radio frequency USM band
	Power supply
ata	Operating temperature
	Operating range
Fechnical Data	R.F. emitted power
Ted	Protection degree

Electronics: E Models: MIA - EVO (E PIC - VETTA - PUNTO		1	Electronics: MAGO Model: EVO	Electronics: Mito Models: MINI - MINI+ - PIC - VETTA	Electronics: BRAVO Model: VEDO - M	
E1	E2	E29		000 0405 070 000 1411	863,0 - 870,0 MHz opt. 433,100 - 434,775 MHz opt. 921,000 - 928,000 MHz	
433,100 - 434,775 MHz	868,0125 - 870,000 MHz	915 - 928 MHz	433,100 - 434,775 MHz opt. 915,050 - 927,800 MHz	868,0125 - 870,000 MHz opt. 434,075 - 434,775 MHz opt. 920,000 - 921,150 MHz		
MIA, EVO, MINI, MIN	II+, PIC, VETTA: Lithi	um pol. batt. 3,7V			LI-TE Li-Ion Battery 7,4 V	
VEDO: LI-TE Li-lon	Battery 7,4 V		Li-Po Battery 3,7V	Li-Po Battery 3,7V		
PUNTO, SFERA, M	1: NiNH PINC-GEH Ba	attery 7,2 V				
-20 / +60 °C			-20 / +55 °C	-20 / +55 °C	-20 / +55 °C	
150 m			100 m	150 m	150 m	
RF 868 / 915 MHz RF 433 MHz <10m	<25mW ERP "auto W ERP	power tuning"	<10mW ERP	<5mW ERP	RF 868 / 915 MHz <25mW ERP "auto power tuning" RF 433 MHz <10mW ERP	
IP65			IP65	IP65 (IP67 Mini)	IP65	

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

Technical Data RECEIVERS

	E MIDI A	E MIDI SW	E MAXI A	E MAXI SW	MAGO FLEXI A	E FLEXI A	AR E FLEXI SW	E/MITO MINI	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	9-30 Vdc	9-24 Vdc
								E: 12-24 Vdc / 24-48 Vac ~ 50/60 Hz		
	IP	P65 IP6		65	IP65	IP65		IP67	IP67	IP00
	152x152x75		227x276x105		133X256X88	133X256X88		110x165x50	210x183x60	45x140x60
	up to: - 12		up to: - 42 On/Off - 33 On/Off + 3 proportional			up to: - 16/24 On/Off		Mito: 4/8/10 On/Off	28 On/Off +	8 NPN/PNP OPEN
	up to 12 On/Off	On/Off + 3 proport. - CanOpen	 28 On/Off + 6 proportional 23 On/Off + 7 proportional optional expansion board CanOpen, EtherNet/IP, PROFINET, PROFIBUS com. 		up to 12 On/Off	 16 On/Off + 6 proportional optional expansion board CanOpen, EtherNet/IP, PROFINET, PROFIBUS communications 		E: 8 On/Off	8 proportional + CanOpen communication	COLLECTOR + 2 analogue



