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Mago series handset transmitters EVO



EVO is ELCA's brand new handset radio remote control, developed and produced 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, using a low power consumption electronics and powered by a lithium battery. It has a series of innovative functions which are possible using the new "MAGO" electronics.

Genio series handset transmitters SILUX • P



SILUX handset is an on/off system available with single step buttons, toggle and/or rotary switches and Stop. P handset has up to 12 pushbuttons (8 frontal double step and 4 single step on the side). The keypad is rugged and allows you a clear and distinct feel between the first and second speeds (P model). Both are available with either removable or electronic start-up key as well as automatic frequency change option. The transmitters have an IP65 protection level and supplied with 2 NiMH rechargeable batteries.

Genio series joystick transmitters PUNTO • SFERA • M



PUNTO and SFERA models offer a perfect alternative to the larger and heavier joystick transmitters and are used in an array of new and traditional applications. They use the GENIO electronics, which is extremely reliable with easy maintenance. The compactness, ergonomics and light weight characteristics have been studied for long-term and professional use. PUNTO transmitter is the smallest: up to 2 on/off joysticks can be mounted, single or double axis, stable or instable and up to 4 speeds each. Toggle switches, rotary switches and/or buttons can also be used. The SFERA is slightly larger and has the same characteristics as the PUNTO with the possibility of mounting up to 3 joysticks. The M Transmitter is perfect for the operator who requires more flexibility and space. With the M you are able to add toggles, rotary switches, joysticks (single or double) buttons and other actuators in a larger and more flexible area. All Joystick transmitters can be supplied with custom labelling and symbols, if necessary.



Bravo series
joystick transmitters
M • SFERA*



BRAVO is our brand new series of proportional radio remote control. In a first phase it will be supplied using the M transmitter which can be customized as required. The system is programmable with up to 8 analog outputs, and supplied with single or double axis proportional joysticks in current or tension output and up to 24 on/off outputs. The Bravo M transmitter is powered by a rechargeable Li-Ion battery (with up to 20 hours continuous work). Remote Set-Up option allows for easy adjustments to settings without having to intervene in the receiver. The new receiver is compact with a IP67 protection level.
* available in the near future

Tel series
cable controls
VAI • SFERA • M



A cable control is able to control a machinery, at a distance, via a cable. They are used in several situations: together with radio controls as an auxiliary (for example TEL-VAI and ALPI radio on Forest winches); in place of a radio control in situations where radio use is limited (airports, military areas ect.); as a backup to radio to avoid machine down time (with a kit - radio / cable - with exact same layout an example is in concrete pump application); where a fixed control panel on the machine is not possible or where a control via cable is preferred. Elca's cable controls are available using VAI, SFERA and M enclosures.

Mito series
compact handset and joystick
MINI • ALPI • VETTA



MITO is the range of radio remote controls developed and built by Elca in 3 different versions of transmitters, MINI (small handset), ALPI and VETTA (small waist portable transmitters with toggle switches) and with 2/4/6/8 on/off commands, Start and Stop. The technology used permits the systems to be used with the great satisfaction and in severe working conditions, and includes an internal Lithium battery, a transmitter with IP67 (Mini and Alpi) and IP65 (Vetta), and an array of layouts and settings. These new systems are designed to work with recovery vehicles, forestry winches, small cranes, and many other applications. The Mito range also includes a Listen Before Transmit feature, allowing to automatically scan, find and lock onto clear and available frequency upon pressing the start button.

Receivers

The receiver is connected to the machine which needs to be controlled and is determined by the technical characteristics of the machine (number of functions necessary, type of electronics – proportional or on/off, power supply – Vac or Vdc and if supplied with connector or cableland output).

They are designed to be installed quickly and to work in extreme conditions.

Upon request, fast mounting fixing plate, external aerial and Elca "extraflex" cable can be supplied.



Technical Data

Transmitters	Electronic: Mago Model: Evo	Electronic: Mito Model: Mini - Alpi - Vetta	Electronic: Genio - Bravo Model: P - Silux - Punto - Sfera - M
Frequency range	433,100-434,775 MHz	868,0125-869,9875 MHz (opt. 434.075 - 434.775 MHz)	433,100-434,775 MHz (Bravo: 863,0-870,0 MHz)
Operating temperature	-20 / +50 °C	-20 / +55 °C	-20 / +50 °C
Range	100 m	150 m	150 m
Power supply	Li-Polymer battery pack 3,7V	Li-Polymer battery pack 3,7V	NiMH 7,2V battery pack (Bravo Li-on 7,4V)
R.F. emission power	<10mW ERP	<5mW ERP	<10mW ERP (Bravo: <25mW ERP "auto power tuning")
Protection level	IP65	IP67 (Vetta IP65)	IP65

Receivers	Genio A	Genio D	Genio Flexi A	Genio Flexi SW	Mago Flexi A	Mito Mini	Bravo D	Genio Board
Power supply	24/48/55/ 110/230Vac	24Vdc (opt.12Vdc)	24/48/55Vac	9-30Vdc	48/55/ 110/230Vac	9-30Vac/dc	9-30Vdc	24Vac/dc
Protection level	IP44	IP44	IP65	IP65	IP65	IP67	IP67	/
Dimensions (mm)	170x500x90	170x500x90	135x255x85	135x255x85	135x255x85	165x107x50	205x210x75	110x200x90
N. available commands	22	22	14	14	12	6/8/10	Up to 36	11(opt.20)