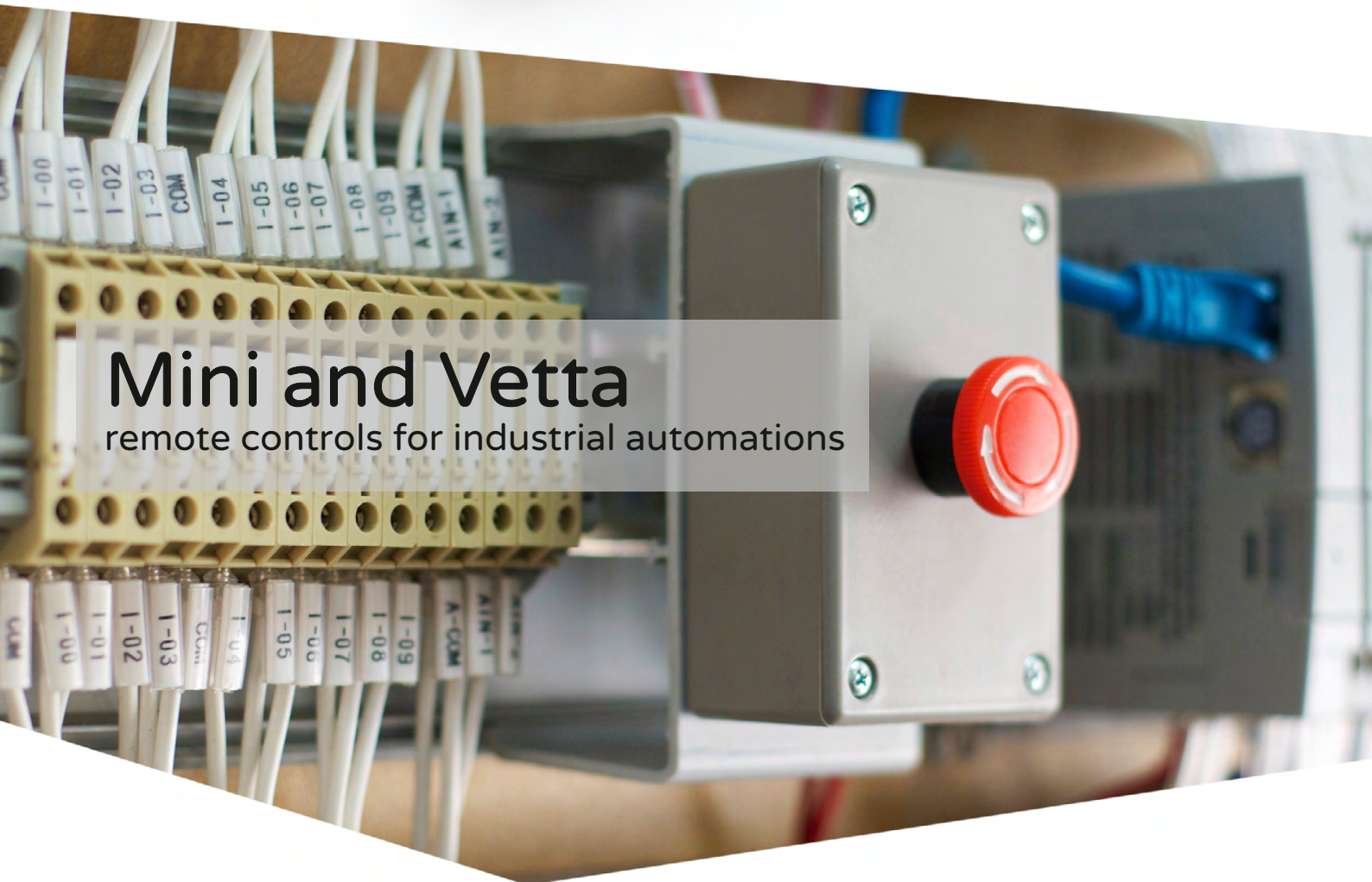




# Mini and Vetta

remote controls for industrial automations



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## remote controls for industrial automations

The MITO remote controls are designed and developed on the basis of ELCA's experience of more than 20 years in the industrial field. The MINI and VETTA models are used to command a wide variety of electric and electro-mechanical systems from a distance, even with PLCs and inverters. In this way, the operator is free to move around whilst always having the commands close to hand.

The internal lithium battery lasts up to 50 hours in continuous transmission, and can be quickly recharged (power supply unit available in VAC and VDC).

### MINI button pad



MINI model: up to 8 buttons, easy to use even when wearing work gloves. Robust, reliable, hermetic and buoyant (operating distance: 150m).

### VETTA compact pouch



VETTA model: Five 3-position selectors and mushroom-head stop button. Robust, reliable, hermetic (operating distance: 150m). The recharging system is built in, and the battery can be replaced.

The MINI receiver is compact and lightweight, and fitted with an internal antenna. Easy to install and wire, it can also withstand heavy duty conditions. A board version is also available, with DIN coupling and external antenna (e.g. shielded boards).

The electronics are from the MITO range and are two-way, using LBT (Listen Before Transmit) technology to automatically search for the best free frequency (even while the remote control is being used). The programming system allows you to manage the operating logics directly with the remote control. The ID code is unique and immune to interference from any other radio system in the area of use.

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### Technical data

Operating range	UHF
ISM band work frequency	868.0125 - 869.9875 MHz
Working temperature	-20 - +55°C
Storage and transport temperature	-20 - +55°C
Type of modulation	GFSK
Operating radius	150m
Operating radius with external antenna (optional)	200m
Hamming distance	≥10
Passive Stop time	< 1 s

### Transmitter

Model	MINI	VETTA
Antenna	built-in	
Power supply	lithium polymer batteries 3.7V 1100mA	
Absorption	< 25mA	
Absorbed power	< 0.1W	
RF emission power	< 5 mW ERP	
Flat battery pre-warning time	approx. 10 minutes	
Autonomy with charged battery at 20°C	approx. 50 hours	
Protection rating	IP67	IP65
Transmitter dimensions	60x113x26 mm	170x74x81 mm
Weight	100 g	400 g

### Receiver

Model	MINI	MINI-DIN
Antenna	built-in (optional: external)	
Power supply	9-30 Vac/dc	9-24 Vdc
Absorbed power	< 5W	
Maximum capacity of the command circuit contacts	10A in AC1, 10A in DC1 at 30V	
Maximum capacity of the STOP circuit contacts	6.3A	
Maximum voltage that can be applied to the contacts	230 Vac	24 Vdc
Protection rating	IP67	IP00
Dimensions	107x165x50 mm	60x140x75 mm
Weight	450 g	100 g
PNP open collector outputs	--	max 200 mA on each channel

The MINI and VETTA remote controls include:

- transmitter
- receiver
- recharging base (MINI)
- power supply unit
- belt
- rigid transport holster (MINI)
- user manual



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