



# Mini e Vetta

remote controls for concrete mixers



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### MINI button pad

MINI model: 8 buttons, easy to use even when wearing work gloves. Robust, reliable, hermetic and buoyant (operating distance: 150m). Used to command a wide variety of electric systems from a distance -mixers, stationary pumps, industrial vibrators, concrete-mixer lorries and other applications that don't require a stop button with safety features.



### VETTA compact pouch

VETTA model: Five 3-position selectors and mushroom-head stop button. Robust, reliable, hermetic (operating distance: approx. 150m). Used to command a wide variety of electric systems from a distance -mixers, stationary pumps, industrial vibrators, concrete-mixer lorries and other applications requiring a stop button with safety features no higher than category 1 and PL c ISO EN 13849-1.



The command panel of the MINI and VETTA transmitters is easy to understand and made of long-lasting materials (it can be personalised). The internal lithium battery lasts up to 50 hours in continuous transmission, and can be quickly recharged using the power supply unit for the cigarette lighter socket.

The MINI receiver can withstand heavy duty conditions. It's compact, lightweight, and easy to install and wire. The antenna is built-in as standard, but an external one is available upon request (e.g. receiver in 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 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

### Trasmittente

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	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
Antenna	built-in (optional: external)
Power supply	9-30 Vac/dc
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
Protection rating	IP67
Dimensions	107x165x50 mm
Weight	450g

The MINI and VETTA remote controls include:

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



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