



The MKU, part of the CattronControl™ family, is a compact keypad control unit for cranes, lifting equipment and a diverse range of machines. The MKU employs advanced dual processor electronics and safety critical software, protected in an ergonomic and robust aluminum and rubber housing that is well suited for use in aggressive industrial environments.

The MKU features an external RFID Transkey™ for simple unit configuration. This allows facilities to quickly deploy spare units by simply swapping the RFID Transkey between the operating unit and a spare, so downtime and spares holding are minimized.

The MKU has 12 dual step push buttons that can be independently configured or set to operate cranes and machines with up to 5 reversing functions, plus typical start and horn.

There are so many possibilities with its high reliability push buttons, RF options, feedback onto the 4 multi-function LEDs, tandem, multi-crane/machine selection capabilities, RFID Transkey and global compliance. This tough and compact controller is ideal for operation in numerous applications and operators maintain total freedom of movement for safe and efficient operations.

FEATURES

- For control of cranes and machines with digital or analog drive systems, (digital control)
- LEDs for status and feedback
- High safety-class through redundant hardware and software architecture
- Approvals and frequencies for worldwide deployment
- IP65 housing made of high impact-resistant aluminum + rubber for tough indoor or outdoor environments
- Control up to five dual step drives with the 12 two-step push buttons, plus on/off, E-Stop and rotary switch (optional)
- Customer-specific layout and face plate options
- Compatible with a number of machine control units featuring various interface options
- System configuration via secure wireless (RFID) Transkey for simplification of spares holding
- Tandem and multi-transmitter and/or receiver operation
- CE compliant

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TECHNICAL DATA AND SPECIFICATIONS

ELECTRONIC DATA		MECHANICAL DATA	
Commands	Up to 5 dual step drives, horn, E-stop and optional A/B select switch	Weight	Approx. 634 g (1.4 lbs)
Digital circuitry	Dual-processor technology	Dimensions L x W x H	203 x 76 x 51 mm (8 x 3 x 2 in.)
System addresses	24 bits = 16 million addresses	Housing material	Aluminum and rubber
Energy-saving mode	Automatic shutdown (configurable 0-30 minutes)	Housing protection rating	IP 65 - Suitable for outdoor use
Supply voltage	Rechargeable battery, NiCd 2.4V /1100mAh or 2X AAA batteries	Operating temperature	-20° to +55° C (-4° to +131° F)
Autonomy	> 12 h at 100% uninterrupted use	Vibration and shock	Vibration/impact and drop tested to 1m on concrete
OPERATION AND INDICATION		RF	
Control elements	12 two-step push buttons, on/off, E-stop, rotary switch (optional).	Frequency range	335 MHz 406-419 MHz 433-434 MHz 447-473 MHz 869 MHz 902-927 MHz other frequencies on request
Transkey™	System configuration, address and RF channel setting	Transmission speed	4.8 to 20 kbit/s
Buzzer	Low voltage indication	Transmitter output power	1-10 mW with various modules (within permitted limits)
LED	1 status LED 4 multi-function LEDs	Modulation	FM
STANDARDS		RF channel spacing	12.5 kHz; 25 kHz and others
Safety	EN 13849-1 Category 3 PL d EN 60204-1 EN 60204-32 CE Compliant	Antenna	Internal
		ACCESSORIES	
		Batteries	2 x 1.5 V AAA batteries or NiCd, 2.4 V/1100 mAh
		Battery charger	Processor-controlled charger with changing system on the primary side for international use 100-240 V AC, 50-60 Hz

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