Laird
Smart Technology. Delivered.

CattronControl™
MKU

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 indepedently 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

Commands	Up to 5 dual step drives, horn, E-stop and optional A/B select switch
Digital circuitry	Dual-processor technology
System addresses	24 bits = 16 million addresses
Energy-saving mode	Automatic shutdown (configurable 0-30 minutes)
Supply voltage	Rechargeable battery, NiCd 2.4V /1100mAh or 2X AAA batteries
Autonomy	> 12 h at 100% uninterrupted use

OPERATION AND INDICATION

Control elements	12 two-step push buttons, on/off, E-stop, rotary switch (optional).
Transkey™	System configuration, address and RF channel setting
Buzzer	Low voltage indication
LED	1 status LED 4 multi-function LEDs

STANDARDS

Safety	EN 13849-1 Category 3 PL d EN 60204-1 EN 60204-32 CE Compliant

MECHANICAL DATA

Weight	Approx. 634 g (1.4 lbs)
Dimensions L x W x H	203 x 76 x 51 mm (8 x 3 x 2 in.)
Housing material	Aluminum and rubber
Housing protection rating	IP 65 - Suitable for outdoor use
Operating temperature	-20° to +55° C (-4° to +131° F)
Vibration and shock	Vibration/impact and drop tested to 1m on concrete

RF

Frequency range	335 MHz 406-419 MHz 433-434 MHz 447-473 MHz 869 MHz 902-927 MHz other frequencies on request
Transmission speed	4.8 to 20 kbit/s
Transmitter output power	1-10 mW with various modules (within permitted limits)
Modulation	FM
RF channel spacing	12.5 kHz; 25 kHz and others
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