

# CATTRONCONTROL™



## MKU OPERATOR CONTROL UNIT

### HIGHLIGHTS

- Extremely rugged handheld controller
- Control up to five dual-step drives with the 12 two-step pushbuttons plus on/off, stop and optional select switch
- Tough IP65 impact-resistant housing made of aluminum and rubber for tough indoor or outdoor environments
- System configuration via a secure wireless Transkey™ (RFID) for simple spares management
- Custom face plate options
- Approvals and frequencies for worldwide deployment

### FEATURES

- Used for the control of cranes and machines with digital or two step control of analog drive systems
- LEDs for status and feedback
- High safety level through redundant hardware and software architecture
- Compatible with all CT24, CCM12 and MMCU4 machine control units
- Tandem and multi-transmitter and/or receiver operation

### APPLICATIONS

- Overhead Cranes
- Machine Control
- Ship Loaders
- Metal Fabrication
- Amusement Parks
- Lifting Equipment

### COMPLIANCE

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





## TECHNICAL DATA AND SPECIFICATIONS

### ELECTRONIC DATA

<b>Commands</b>	Up to 5 dual-step drives, horn, Stop and optional A/B select switch
<b>Digital Circuitry</b>	Dual-processor technology
<b>System addresses</b>	24 bits = 16 million addresses
<b>Energy-Saving Mode</b>	Automatic shutdown (configurable 0-30 minutes)
<b>Battery</b>	Rechargeable battery, NiCd 2.4V /1100mAh or 2X AAA batteries
<b>Battery Life</b>	>12 h at 100% continuous use

### MECHANICAL DATA

<b>Weight</b>	Approx. 634 g (1.4 lbs)
<b>Dimensions L x W x H</b>	203 x 76 x 51 mm (8 x 3 x 2 inches)
<b>Housing</b>	Aluminum and rubber IP65, suitable for outdoor use
<b>Operating Temperature</b>	-20° to +55° C (-4° to 131° F)
<b>Vibration and Shock</b>	Vibration/impact and drop tested to 1m on concrete

### RF

<b>Frequency Range</b>	335 MHz 406–419 MHz 433–434 MHz 447–473 MHz 869 MHz 902–927 MHz Other frequencies possible
<b>Transmitter Power</b>	1-10 mW
<b>Regulatory</b>	Licensed and unlicensed bands available
<b>RF Security</b>	Black Channel
<b>RF Channel Spacing</b>	12.5 kHz; 25 kHz and others
<b>Antenna</b>	Internal

### OPERATION AND INDICATION

<b>Control Elements</b>	12 two-step Stop, optional select switch push buttons on/off
<b>Transkey™</b>	System configuration, address and RF channel setting
<b>Buzzer</b>	Low voltage indication
<b>LED</b>	1 status LED, 4 multi-function LEDs

### ACCESSORIES

<b>Batteries</b>	2 x 1.5 V AAA batteries or NiCd, 2.4 V/1100 mAh
<b>Battery Charger</b>	Processor-controlled charger with changing system on the primary side for international use 100-240 V AC, 50-60 Hz

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EN-2023-01-V2

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