

CATTRONCONTROL™

LRC-M1 OPERATOR CONTROL UNIT



HIGHLIGHTS

- Mid-sized controller, standard and customizable
- Wide range of control options including the following
- Up to two stepped or stepless joysticks
- Up to three full-size paddles
- Up to six mini paddles
- Up to 22 auxiliary switches
- Horn/STOP/ON-OFF
- System configuration via a secure wireless
- Transkey™ (RFID) for simple spares management
- Customer-specific layout with a wide range of control elements
- Approvals and frequencies for worldwide deployment

FEATURES

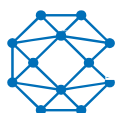
- Used for the control of cranes and machines with digital, Bus or analog drive systems
- Graphic LCD and LEDs for status and feedback
- High safety level through redundant hardware and software architecture
- IP65 housing made of impact-resistant nylon for tough indoor or outdoor environments, excellent chemical and oil resistivity and superior mechanical strength
- Compatible with all CT24, CCM12 and MMCU4 machine control units
- Optional tilt detection safety feature
- Tandem and multi-transmitter and/or receiver operation
- Optional SymmetryLock™ crane interlocking and multi-MCU Talkback™

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

Commands	Up to 34 digital commands + STOP Up to 8 analog commands
Digital Circuitry	Dual-processor technology
System addresses	24 bits = 16 million addresses
Energy-Saving Mode	Automatic shutdown (configurable 0-30 minutes)
Battery	Rechargeable, NiMH 3.6 V / 1500 mAh
Battery Life	>12 h at 100% uninterrupted use

RF

Frequency Range	335 MHz 406–419 MHz 433–434 MHz 447–473 MHz 869 MHz 902–927 MHz Other frequencies possible
Transmitter Power	10-500 mW
Regulatory	Licensed and unlicensed bands available
RF Security	Black Channel
Antenna	Internal

MECHANICAL DATA

Weight	Approx. 1.6 kg (3.5 lbs)
Dimensions L x W x H	274 x 207 x 160 mm (10.8 x 8.2 x 6.3 inches)
Housing	Nylon, standard color red/gray IP65, suitable for outdoor use
Operating Temperature	-20° to +70° C (-4° to 158° F)
Vibration and Shock	Vibration/impact and drop tested to 1m on concrete

OPERATION AND INDICATION

Layout	Standard 2 joysticks or fully customizable
Control Elements (typical)	2 joysticks, stepped or step-less, start, horn, stop, key switch, push buttons, toggled switches, rotary switches, etc.
Transkey™	System configuration, address and RF channel setting
Buzzer	Low voltage indication and tilt
Graphics LCD	128 x 32 dots, backlight white (graphic LCD optional)
LED	1 status LED 4 multi-function LEDs

ACCESSORIES

Batteries	2 rechargeable batteries, NiMH 3.6 V / 1500 mAh
Battery Charger	Processor-controlled charger incl. adapter cradle, changing system on the primary side for international use 100-240 VAC, 50-60 Hz

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