

LRC-L1

CATTRONCONTROL™



FULL-SIZED, HIGHLY CUSTOMIZABLE CONTROLLER

HIGHLIGHTS

Wide range of control options including:

- up to three stepped or stepless joysticks
- up to five full-size paddles
- up to eight mini paddles
- up to 32 auxiliary switches
- up to 10 additional control elements such as push buttons, toggles and rotary switches
- 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
- 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

This tough full-size, and highly configurable controller is ideal for operation in almost any application.

- 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 55 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)
Supply Voltage	Rechargeable battery, NiMH 4.8V/1600 mAh
Battery Life	> 12 h at 100% uninterrupted use

OPERATION AND INDICATION

Layout	Standard 2 joysticks or fully customizable
Control Elements (typical)	2 joysticks, stepped or step-less, start, horn, stop, keyswitch, 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

MECHANICAL DATA

Weight	Approx. 1.7 to 2.3 kg (3.7 to 5 lbs)
Dimensions L x W x H	370 x 200 x 175 mm (14.8 x 7.8 x 7 inches)
Housing	Nylon, standard color red/gray IP65, suitable for outdoor use
Operating Temperature	-20° to +60° C (-4° to +140° 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 possible
Transmitter Power	10-500 mW
Regulatory	Licensed and unlicensed bands available
RF Security	Black Channel
RF Channel Spacing	12.5 kHz; 25 kHz and others
Antenna	Internal

ACCESSORIES

Batteries	2 rechargeable batteries, NiMH, 4.8 V/1600 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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