

# LRC-S1

CATTRONCONTROL™



## COMPACT CONTROLLER WITH STANDARD CONFIGURATIONS

### HIGHLIGHTS

- Control up to four motions with two multi-axis joystick controllers
- System configuration via a secure wireless Transkey (RFID) for simple spares management
- Approvals and frequencies for worldwide deployment

### FEATURES

- Used for the control of cranes and machines with digital 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, polycarbonate resin 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

### APPLICATIONS

With its small size, this controller is ideal for operation in more confined environments and operators have even greater freedom of movement. Its lighter weight means operators will hardly notice the LRC-S1 when it is worn for extended periods of time.

- 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 29 digital commands + STOP Up to 4 analog commands
Digital circuitry Technology	Dual-processor
System Addresses	24 bits = 16 million addresses
Energy-Saving Mode	Automatic shutdown (configurable 0-30 minutes)
Battery	Rechargeable battery, NiMH 4.8V/1600 mAh
Battery Life	> 12 h at 100% uninterrupted use

### OPERATION AND INDICATION

Layout	Standard 2 joystick, 4 steps, 3 or 4 motion
Control elements (typical)	2 joysticks, stop, start, horn, 5 push buttons; 4 with LED and configured as momentary or toggle, 1 with 2 LEDs and configurable as a select O, A, B, A+B, 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 6 LEDs associated with switch selection

### MECHANICAL DATA

Weight	Approx. 1.0 kg (2.2 lbs)
Dimensions L x W x H	229 x 117 x 152 mm (9 x 4.6 x 6 inches)
Housing	Lexan EXL® polycarbonate resin, 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
Regulatory	Licensed and unlicensed bands available
Transmitter Output Power	1-10 mW
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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