

# 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 simplification of spares management
- Customer-specific layout with a wide range of control elements (version dependent)
- 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 a number of machine control units featuring various interface options
- Optional force/angle 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
- Heavy Machinery
- 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** 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

**Autonomy** > 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 push button switches

**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 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 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

USA: +1.234.806.0018  
Systems-US-Sales@lairdtech.com

Europe: +49.2151.4795.0  
Systems-EU-Sales@lairdtech.com

Asia: +86.21.3120.0188  
Systems-CN-Sales@lairdtech.com

Latin America: +55.19.3518.7030  
Systems-BR-Sales@lairdtech.com

[www.lairdtech.com](http://www.lairdtech.com)

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