CATTRONCONTROL™

LRC-S1
OPERATOR CONTROL UNIT

HIGHLIGHTS

- Compact controller with standard configurations
- 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

- 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

CONNECT. CONTROL. PROTECT.

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)
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	1-10 mW
Regulatory	Licensed and unlicensed bands available
RF Security	Black Channel
RF Channel Spacing	12.5 kHz; 25 kHz and others
Antenna	Internal

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 +70° C (-4° to 158° F)
Vibration and Shock	Vibration/impact and drop tested to 1m on concrete

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 0, 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

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