

LRC-L1

CattonControl™



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 simplification of 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 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 a number of machine control units featuring various interface options
- Optional force/angle safety feature
- Tandem and multi-transmitter and/or receiver operation

APPLICATIONS

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

- 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 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 |
| Autonomy | > 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 |

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| 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 onrequest |
| Transmission speed | 4.8 to 20 kbit/s |
| Transmitter output power | 10-500 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 |