



The LRC-L1 is a highly versatile radio remote control transmitter unit of the CattronControl™ family for cranes, lifting equipment and machines. Advanced dual-processor electronics, protected in an ergonomic and robust housing for demanding radio remote control solutions in industrial environments.

FEATURES

- For control of motors with digital and/or analog drive systems
- Displays important feedback information onto a graphic LCD and/or LED
- High safety-class through redundant hardware and software architecture
- Approvals and frequencies for worldwide deployment
- Housing made of high impact-resistant polycarbonate resin
- Customer-specific layout with a wide range of control elements
- Compatible with a number of receiver units, featuring various interface options
- Tilt switch option as operator safety feature
- System configuration via electronic TransKey™ (RFID)
- Tandem and multi-transmitter and/or -receiver operation

TECHNICAL DATA AND SPECIFICATIONS

ELECTRONIC DATA		RF	
Commands	Up to 55 digital commands + STOP Up to 8 analog commands	Frequency range	335 MHz (< 1 mW ERP) 418 MHz (< 10 mW ERP) 433 MHz (< 10 mW ERP) 447 MHz (< 10 mW ERP) 869 MHz (< 5 mW ERP) 915 MHz (FCC part 15) other frequencies on request
Digital circuitry	Dual-processor technology	Transmission speed	4.8 to 20 kbit/s
System addresses	24 bit = 16 million addresses	Transmitter output power	1-500 mW with various modules (within permitted limits)
Energy-saving mode	Automatic shutdown (configurable: 0 – 30 minutes)	Modulation	FM
Supply voltage	Rechargeable battery, NiMH, 4.8 V / 1500 mAh	RF channel spacing	12.5 kHz; 25 kHz and others
Autonomy	> 12 h at 100% uninterrupted use	Antenna	Internal
OPERATION AND INDICATION			
Layout	Standard and customer-specific up to 3 joysticks, maximum 6 steps		
Control elements	Variable: Joysticks, paddles, rotary and toggle switches, push-buttons		
TransKey™	System configuration, address and RF channel setting		
Indication	5 Multi-LED for status and diagnostics		
Buzzer	Low voltage indication		
Graphic LCD	128 x 64 dots, backlight white (graphic LCD optional)		

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MECHANICAL DATA

Weight	Approx. 2.0 kg (4.4 lbs)
Dimensions (L x W x H)	320 x 255 x 185 mm (12.6" x 10.0" x 7.3")
Housing material	*Lexan EXL® polycarbonate resin, standard color red/gray
Housing protection rating	IP65
Operating temperature	-20° to +60° C (-4° to 140° F)

* Trademark of SABIC Innovative Plastics IP BV

STANDARDS

Safety	EN ISO 13849-1 Category 3 PL d EN ISO 13849-2
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ACCESSORIES

Batteries	2 Rechargeable batteries, NiMH, 4.8 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

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