CattronControl[™] LRC-L1



Smart Technology. Delivered.



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

TECHNICAL DATA AND SPECIFICATIONS

- ELECTRONIC DATA Commands Up to 55 digital commands + STOP Up to 8 analog commands Digital circuitry Dual-processor technology 24 bit = 16 million addresses System addresses Energy-saving mode Automatic shutdown (configurable: 0 - 30 minutes) Rechargeable battery, Supply voltage NiMH, 4.8 V / 1500 mAh > 12 h at 100% uninterrupted use Autonomy **OPERATION AND INDICATION** Layout Standard and customer-specific up to 3 joysticks,
- 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)

- 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

RF		
Frequency range	335 MHz 418 MHz 433 MHz 447 MHz 869 MHz 915 MHz other frequencies on	(< 1 mW ERP) (< 10 mW ERP) (< 10 mW ERP) (< 10 mW ERP) (< 5 mW ERP) (FCC part 15) request
Transmission speed	4.8 to 20 kbit/s	
Transmitter output power	1-500 mW with various modules (within permitted limits)	
Modulation	FM	
RF channel spacing	12.5 kHz; 25 kHz and others	
Antenna	Internal	



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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
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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