



The LRC-M1 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	
Commands	Up to 55 digital commands + STOP Up to 8 analog commands
Digital circuitry	Dual-processor technology
System addresses	24 bit = 16 million addresses
Energy-saving mode	Automatic shutdown (configurable: 0 – 30 minutes)
Supply voltage	Rechargeable battery, NiMH, 4.8 V / 1500 mAh
Autonomy	> 12 h at 100% uninterrupted use
OPERATION AND INDICATION	
Layout	Standard and customer-specific up to 2 joysticks, maximum 5 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)

RF		
Frequency range	335 MHz 418 MHz 433 MHz 447 MHz 869 MHz 915 MHz other frequencies on request	(< 1 mW ERP) (< 10 mW ERP) (< 10 mW ERP) (< 10 mW ERP) (< 5 mW ERP) (FCC part 15)
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	

**MECHANICAL DATA**

Weight	Approx. 1.6 kg (3.5 lbs)
Dimensions (L x W x H)	274 x 207 x 160 mm (10.8" x 8.14" x 6.3")
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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