

LRC^{M1}

CATTRON CONTROL[®]

**A versatile radio controller for cranes, lifting equipment and machines.
Advanced dual-processor electronics protected in an ergonomic and
robust housing for demanding industrial environments**

- High safety class through redundant hard and software structure
- Approvals and frequencies for worldwide deployment
- System configuration via external TransKey
- Application-specific layout
- Housing made of high impact-resistant polycarbonate resin
- Compatible with multiple receivers



Up to
34
commands

compatible with receiver	ct24	MMCU-4	CCM-12
	✓	✓	✓

CATTRON[™]
a unit of Laird Technologies

Industrial Radio Remote Controls

- Accommodates up to 2 dual-axis joysticks plus a large number of control elements
- Central Stop switch
- Acoustic and optical undervoltage warning
- Tilt switch option as operator safety feature
- System configuration via easy accessible TransKey
- Tandem and multi-transmitter/-receiver operation
- Protection class IP65

TECHNICAL DATA AND SPECIFICATIONS

RF

Frequency range/power	335 MHz (< 1 mW ERP)
	418, 433, 447 MHz (< 10 mW ERP)
	869 MHz (< 5 mW ERP)
	915 MHz (FCC part 15)
Transmission speed	4.8 to 20 kbit/s
Transmission power	< 10 mW (within the permitted limits)
Receiver sensitivity	-107 dBm
Modulation	FM
RF channel spacing	12.5 kHz; 25 kHz and others
Antenna	internal

Electronics

Commands	up to 34 digital commands + STOP up to 8 analog commands
Digital circuitry	Dual-processor technology
System address	24 bits = 16 million addresses
Energy-saving-mode	automatic shutdown (configurable: 0–30 minutes)
Power supply	rechargeable battery, NiMH, 4.8 V / 1600 mAh
Autonomy	> 12h at 100% uninterrupted use

Standards

Protection class	IP65
Safety standards	EN ISO 13849-1 Performance Level d EN ISO 13849-2

Mechanical Data

Weight	approx. 1.6 kg
Dimensions	270 x 200 x 160 mm (L x W x H)
Housing	Lexan* EXL polycarbonate resin, standard colour red/grey
Operating temperature	-20° to +60° C

Operation and Indication

Layout	customer-specific, up to 2 joysticks, maximum 5 steps
TransKey	system configuration, address and RF channel
Indication	status LED + 4 Multi-LEDs
Buzzer	low voltage indication
Graphic LCD	128 x 64 dots, backlight white (graphic LCD optional)

Accessories

Batteries	2 x rechargeable batteries NiMH, 4.8 V / 1600 mAh
Battery charger	processor-controlled charger incl. adapter cradle 100–240 V _{AC} , 50–60 Hz

* Trademark of SABIC Innovative Plastics IP BV

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