

# LRC<sup>L1</sup>

**CATTRON** CONTROL

**Highly versatile transmitter unit 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.**

- For control of motors with digital or analogue drive systems
- Displays important feedback information onto a graphic LCD or via status LEDs
- High safety-class through redundant hardware and software architecture
- Approvals and frequencies for worldwide deployment
- Application-specific transmitter layout
- Housing made of high impact-resistant polycarbonate resin
- Reverse-engraved front plate - extremely hard wearing for use in industrial environments
- Compatible with a number of receiver units, featuring various interface options



**CATTRON**  
*theimeg*<sup>TM</sup>

Industrial Radio Remote Controls

- Accommodates up to 3 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 MHz (< 10 mW ERP) 433 MHz (< 10 mW ERP) 447 MHz (< 10 mW ERP) 869 MHz (< 5 mW ERP) 915 MHz (FCC part 15)
Transmission speed	4.8 to 20 kbit/s
Modulation	FM
RF channel spacing	12.5 kHz; 25 kHz and others
Antenna	internal

### Electronics

Commands	up to 55 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 954-1 categorie 3 EN 13849-1 Performance Level d

### Mechanical Data

Weight	approx. 1.6 kg
Dimensions	320 x 255 x 185 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 3 joysticks, maximum 6 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

#### USA

Cattron-Theimeg International Inc.  
58 West Shenango Street  
US Sharpsville, Pennsylvania 16150  
Phone: +1-724-962-3571  
Fax: +1-724-962-4310  
mail@cattron-theimeg.com

#### SOUTH-AFRICA

Cattron-Theimeg Africa (Pty.) Ltd.  
24 O'Reilly Merry Road  
ZA 1518 Rynfield  
Benoni, Gauteng  
Phone: +27-11-425-1123  
Fax: +27-11-849-5717  
cattron@cattronsa.com

#### CANADA

Cattron-Theimeg Canada Ltd.  
150 Armstrong Avenue, Units 5 - 6  
CA Georgetown, Ontario L7G 5G8  
Phone: +1-905-873-9440  
Fax: +1-905-873-9449  
salescdn@cattron-theimeg.com

#### BRAZIL

Cattron-Theimeg Americas Ltda.  
Rua Antonio Rodrigues de Carvalho 435  
BR Campinas  
SP CEP 13033-220  
Phone: +55-19-3243-7803  
Fax: +55-19-3243-9258  
cattronamericas@cattron-theimeg.com

#### EUROPE

Cattron-Theimeg Europe GmbH & Co. KG  
Krefelder Straße 423-425  
DE 41066 Mönchengladbach  
Phone: +49-2161-6363-0  
Fax: +49-2161-6363-100  
info@theimeg.de

#### UNITED KINGDOM

Cattron-Theimeg UK Ltd.  
Riverdene Industrial Estate, Molesey Road  
GB Hersham  
Surrey KT12 4RY  
Phone: +44-1932-247511  
Fax: +44-1932-220937  
sales@cattronuk.com