

# excalibur

**CATTRON** CONTROL®

Handheld radio remote control transmitter in an innovative, ergonomic housing with advanced dual-processor technology for increased safety. Globally deployable for cranes, lifting equipment and machines.

- High safety-class through redundant hardware and software architecture
- Approvals and frequencies for worldwide deployment
- System configuration via external TransKey
- Customized layout
- 6 or 8 2-step push buttons
- Compatible with multiple receivers
- Compact, ergonomic design



**6/8**

push buttons

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

**CATTRON**™  
a unit of Laird Technologies

Industrial Radio Remote Controls

- Approvals and frequencies for many countries
- Sophisticated and proven safety concept for complying with EN ISO 13849-1
- Customer-specific programming possible
- Can be matched with different receivers
- One-piece elastic mat with integrated push buttons and shock protection
- Impact-resistant plastic housing

## 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

Digital circuitry	dual-processor technology
System addresses	24 bits = 16 million addresses
Power safe mode	automatic shutdown (configurable: 0–30 minutes)
Power supply	rechargeable battery, NiMH, 3.6 V / 1500 mAh
Autonomy	> 12h at 100% uninterrupted use

### Applied Standards

IP protection class	IP 65
Safety standards	EN ISO 13849-1 Performance Level d EN ISO 13849-2

### Mechanical Data

Weight	approx. 290 g
Dimensions	180 x 64 x 39 mm (L x W X H)
Housing	SB plastic, standard colour silver/red, integrated fall protection
Operating temperature	-20° to +60° C

### Operation and Indication

Actuators ct24-ET/6	6 push buttons (2-step)
Actuators ct24-ET/8	8 push buttons (2-step)
TransKey	system configuration, address and RF channel
Indication	5 Multi-LED, status, low voltage
Acoustic indication	low voltage indication

### Accessories

Batteries	2 x rechargeable batteries, NiMH 3.6 V / 1500 mAh
Battery charger	processor-controlled charger incl. adapter cradle, changing system on the primary side for international use
Labelling	Self-adhesive marking labels

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