



The Excalibur, part of the CattronControl[™] family, is a compact keypad control unit for cranes, lifting equipment and a diverse range of machines. The Excalibur employs advanced dual processor electronics and safety critical software, protected in an ergonomic and robust housing that is well suited for use in aggressive industrial environments.

The Excalibur features an external RFID Transkey[™], for simple unit configuration, this allows facilities to quickly deploy spare units by simply swapping the RFID Transkey between the operating unit and a spare, so downtime and spares holding are minimized.

The Excalibur has several different variants with 6, 8, 10 or 12 dual step push buttons that can be independently configured and set to operate on cranes and machines with up to 5 reversing functions, plus typically, start and horn.

An electronic on/off switch and E-Stop, plus optional A-B select with LED confirmation, make the Excalibur a great choice for a wide range of applications where a compact and robust controller is desired. The sleek construction with contoured polymer and integrated rubber bumper make this a tough unit, and the dual step push buttons with good tactile feel make operating the unit a pleasure.

There are so many possibilities with its high reliability push buttons, varied RF options, feedback onto the 4 multi-function LEDs, Tandem, multi-crane/machine selection capabilities, RFID Transkey and global compliance, this tough and compact controller is ideal for operation in numerous applications, and operators maintain total freedom of movement for safe and efficient operations.

FEATURES

- For control of cranes and machines with digital or analog drive systems, (digital control)
- LEDs for status and feedback
- High safety-class through redundant hardware and software architecture
- Approvals and frequencies for worldwide deployment
- IP65 housing made of high impact-resistant polymer + rubber for tough indoor or outdoor environments
- Control up to five dual step drives with the 12 two-step push buttons, plus on/off, E-Stop and (optional) electronic A+B Select
- Customer-specific layout and label options
- Compatible with a number of machine control units featuring various interface options
- System configuration via secure wireless (RFID) Transkey for simplification of spares holding
- Tandem and multi-transmitter and/or receiver operation
- CE compliant

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TECHNICAL DATA AND SPECIFICATIONS

ELECTRONIC DATA		MECHANICAL DATA	
Commands	Up to 5 dual-step drives, horn, E-stop and optional electronic A/B select switch	Weight 6-8	Approx. 290 g (0.64 lbs)
		Dimensions 6-8 (L x W x H)	180 x 64 x 39 mm (7.1 x 2.5 x 1.6 in)
Digital circuitry	Dual-processor technology	Weight 10-12	Approx. 350 g (0.77 lbs)
		Dimensions 10-12 (L x W x H)	235 x 64 x 39 mm (9.3 x 2.5 x 1.6 in)
System addresses	24 bits = 16 million addresses	Housing material	High-impact polymer and rubber
Energy-saving mode	Automatic shutdown (configurable 0-30 minutes)	Housing protection rating	IP 65 - Suitable for outdoor use
Supply voltage	Rechargeable battery. NiCd 3.6V/1500mAh	Operating temperature	-20° to +60° C (-4° to +140° F)
Autonomy	>12h at 100% uninterrupted use	Vibration and shock	Vibration/impact and drop tested to 1m on concrete
OPERATION AND INDICATION		RF	
Actuators ct24-ET/6	6 push buttons (2-step)	Frequency range	335 MHz 406-419 MHz 433-434 MHz 447-473 MHz 869 MHz 902-927 MHz other frequencies on request
Actuators ct24-ET/8	8 push buttons (2-step)		
Actuators ct24-ET/10	10 push buttons (2-step)		
Actuators ct24-ET/12	12 push buttons (2-step)		
Transkey™	System configuration, address and RF channel setting		
Buzzer	Low voltage indication	Transmission speed	4.8 to 20 kbit/s
LED	1 status LED 4 multi-function LEDs	Transmitter output power	1-10 mW with various modules (within permitted limits)
STANDARDS		Modulation	FM
Safety	EN 13849-1 Category 3 PL d EN 60204-1 EN 60204-32 CE Compliant	RF channel spacing	12.5 kHz; 25 kHz and others
		Antenna	Internal
		ACCESSORIES	
		Batteries	2x Rechargeable batteries 3.6V/1500 mAh
		Battery charger	Processor-controlled charger incl. adapter cradle, charging system on the primary side for international use
		Labeling	Self-adhesive marking labels

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