



# EXCALIBUR-E OPERATOR CONTROL UNIT

## HIGHLIGHTS

- For controlling cranes and machines with digital or two-step control of analog drive systems
- Compact, ergonomic and lightweight pushbutton control units
- Available in standard configurations or engineered to meet specific requirements
- Supports up to six PL-d rated working functions plus a PL-d rated E-stop
- Uses CattronLink™ wireless programming tool for performance and feature updates
- Can be used in a PROFINET® environment and is compliant with the Cyber Resilience Act when paired with the XBMCU
- Compatible with CT24, 17R, CBMCU and XBMCU machine control units

## FEATURES

- IP65-rated housing made of impact-resistant polymer and rubber for tough indoor or outdoor environments
- High safety level through redundant hardware and software architecture
- Control up to five dual-step drives, plus on/off and stop
- Tandem and multi-transmitter and/or receiver operation
- PL-d safety level based on black channel telegram for both control and feedback
- Positive two-step pushbuttons
- LEDs for status and feedback
- Approvals and frequencies for worldwide deployment
- Customer-specific layout and label options
- Operating range of 500 feet / 150 m with line-of-sight
- Essential data and diagnostics are logged and available

## APPLICATIONS

- Overhead Crane and Hoist Systems
- Conveyor Systems
- On-Highway Equipment
- Off-Highway Equipment
- Manufacturing
- Transportation and Warehousing



## TECHNICAL DATA AND SPECIFICATIONS

### ELECTRONIC DATA

<b>Digital Circuitry</b>	Dual microprocessor Cat. 3 PL-d architecture
<b>System Address</b>	24-Bit = 16 million addresses
<b>Battery</b>	Rechargeable, NiMH 3.6 V / 1500 mAh

### RF

<b>Frequency Range</b>	License exempt: 915MHz, 433MHz, 868MHz, 2.4GHz Licensed:, 450-470MHz
<b>Operating Range</b>	Sub-GHz – 150m / 500ft typical 2.4GHz – 180m / 600ft typical
<b>Antenna</b>	Integrated internal antenna
<b>Telegram</b>	Dynamic high-efficiency telegram
<b>Data Security</b>	Enhanced black channel communication
<b>Transmitter Power</b>	1-80 mW, frequency and location restrictions apply

### ACCESSORIES

<b>Labeling</b>	Standard label sheets supplied
<b>Holster</b>	Leather holster
<b>Rechargeable Battery</b>	Standard desk mount or wall mount adapter with rechargeable batteries

### MECHANICAL DATA

<b>Weight</b>	6 and 8 buttons: Approx. 0.64 lbs (290g)
<b>Dimensions L x W x H</b>	6 and 8 buttons: 7.1 x 2.5 x 1.5 in (180 x 64 x 39mm)
<b>Housing</b>	High-impact polymer and rubber
<b>Operating Temperature</b>	-4° to +140°F (-20° to +60°C)
<b>Vibration and Shock</b>	Vibration/impact and drop tested to 1 meter on concrete
<b>IP Protection</b>	IP65-rated

### OPERATION AND INDICATION

<b>Control Elements</b>	6 or 8 push buttons (2-step)
<b>Status</b>	Up to six multi-function LEDs for status and feedback

### COMPLIANCE

<b>Certifications</b>	<b>CE/RED</b>
	<b>EN ISO 13849</b>
	<b>Performance Level-d</b>
	<b>CRA</b>