



TYRO 2x2

RADIO REMOTE CONTROL SYSTEM



HIGHLIGHTS

- Designed for basic lifting and motion control for small overhead cranes and hoists, jib cranes and monorail systems
- Secure and reliable radio remote control system with support for up to two motions and two-speed operation
- The system includes two compact, ergonomic and lightweight handheld transmitters and one low-profile receiver
- Four configuration options are available for motion and speed
- Simple and effective standardized system for easy deployment within 15 minutes
- CSA Certified C22.2 #33:2023 and UL 94-V0 for flame resistance

FEATURES

- Plug-and-play system set up with wireless pairing
- Six functional control pushbuttons with visual and audible feedback options
- Two LEDs with a backlit membrane
- IP67-rated transmitter housing made from impact-resistant nylon for tough indoor and outdoor environments
- Chemical and oil resistant with superior mechanical strength
- Adaptive Frequency Protocols for secure and reliable operation
- Simplex communication mode
- Certification for FCC and CSA C22.2 #33:2023
- Receiver is rated UL 94-V0 for flame resistance
- Optional lanyard, antenna line kits and magnet mounting kit
- Two 1.5V AA alkaline batteries with approximately six months of battery life with typical use
- A two-year extended warranty is included

APPLICATIONS

- Small Overhead Cranes and Hoists
- Jib Cranes
- General Lifting Equipment
- Monorail Systems
- Small Engine-Driven Equipment
- Mobile Machines





TECHNICAL SPECIFICATIONS

Enclosure	OCU: High-impact polymer and TPE rubber MCU: Aluminum with flame-resistant ABS
Weight	OCU: 0.32 lbs (148g) MCU: 1.5 lbs (680g)
Dimensions (H x W x L)	OCU: 4.61 x 2.41 x 1.13 inches (117.3 x 61.3 x 28.6 mm) MCU: 4.45 x 5.06 x 6.8 inches (113 x 156.5 x 173 mm) - not including antenna/cabling
Operating Temperature	OCU: -22° to +140°F (-30° to +60°C) MCU: -40° to +176°F (-40° to +80°C)
Vibration and Shock	Vibration/impact and drop tested to 1m on concrete
Ingress Protection	OCU: IP67-rated MCU: IP65-rated
Frequency	2.4 GHz (FHSS)
Operating Range	600 foot with typical use
Transmitter Power	2.4 GHz @20 cBm
Receiver Voltage	24-48 VDC, 110-230 VAC
Communication	Simplex
Reaction Time	Approximately 0.1 second
Antenna	OCU: internal MCU: external; line kit options available
Transmitter Battery	Two 1.5V AA alkaline batteries (nonrechargeable) Approximately six months battery life with typical use
Transmitter Control Elements	Up to six functional control pushbuttons plus Start and Stop Two LEDs plus backlit membrane
Configurations	2-motion, 2-speed / 2-motion, 1-speed / 1-motion, 2-speed / 1-motion, 1-speed
Receiver Cable Connection	Flying leads; 17-core cable
Relay Outputs	Seven dry contacts; 16A relay outputs
Certifications	FCC, CSA C22.2 #33:2023, UL 94-V0 (receiver)
Accessories	R1805: Lanyard H00184: Magnet mounting kit R2209: SMA 2.4 GHz antenna B00165: 3 foot antenna line kit B00166: 6 foot antenna line kit

North America: +1.234.806.0018 | Sales.US@Cattron.com
Europe: +49.2151.4795.0 | Sales.EU@Cattron.com
UK: +44.1932.238121 | Sales.UK@Cattron.com
South America: +55.19.3518.7030 | Sales.BR@Cattron.com
Asia: Sales.CN@Cattron.com
Oceania: Sales.AU@Cattron.com

cattron.com

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