

RE3

Wireless Control System

12VDC/24VDC



The Rowe Electronics RE3 wireless control system is designed to yield superior performance under harsh operational conditions. When quality and durability count, the RE3 is there to perform.

Operating System: • 915MHz (Domestic frequency) and 868MHz (European frequency) configurations available in 12VDC or 24VDC configurations - 2 Kbps data transfer rate - Programmable microprocessor with 28 bit serial capability - Rolling SN code (virtually eliminates the possibility of “cross frequency” or interference) - Excellent performance in “high noise environments” such as DC motor control applications. Over fifty different operational behavior configurations are available. (latched on/off, time-out, momentary, delay on, etc.).

Operational Range: • Utilizing the standard integrated antenna, RE3 units have an operational range well in excess of 100 feet. (line-of-sight). The usage of RF signaling provides exceptional non-line-of-site(through obstacle performance as well.



Receiver:

RF Receiver - IP67 equivalent, non-metallic, corrosion resistant enclosure. Dimensions: 5.25” L x 4.75”W x 1.50”H – Program up to 5 individual remote transmitters into a single receiver unit. Multi-color LED indicator signals ready state, signal reception, and operational mode. Custom/private label graphics available to distributors and OEMs upon request.

Transmitters:

Key Fob Remote – (Standard) equivalent; fully protected against environmental forces and well suited for marine, ag, industrial and other outdoor applications. Ergonomically designed, standard four button, non-metallic key fob control. Key fob units have an easily replaceable 3V CR2032 battery for power supply. Laser etched keypad icons for extended durability and enhanced appearance. Convenient mount for easy key chain or lanyard attachment. Clip/velcro mounts also available upon request.

L-Style Handheld Remote – (Optional) IP67 equivalent; fully protected against environmental forces and well suited for marine, ag, industrial and other outdoor applications. Ergonomically designed, non-metallic remote in standard 6 and 8 button variants.(2/4 button configurations also available for volume purchases) Optional belt clip available. Tactile feedback membrane switch provides consistent control and quality appearance. The transmitter is powered by two AAA batteries.

Rowe Electronics remote transmitters contain advanced circuitry that yields extended service life between battery changes (typically in excess of 1 year), and consistent performance. Multiple/custom icon/graphic configurations available) Incorporated LED alerts users to signal transmission and battery condition.



Interface Wire Harness: • Custom wire harnesses built to WHMA A-620 standards. Everything from simple labeled flying wire leads, to custom built over-braided, OEM quality wire harnessing solutions. Our engineers can assist in developing a harness solution that meets your needs, and allows for a seamless integration of wireless control into your application. (relays, switches, indicator lights, control boxes, etc.) We use our vast

experience to help you develop a solution that results in product improvement, and greater customer satisfaction.

Suitable Applications: The RE3 wireless system is well suited for outdoor applications; fully sealed to protect against rain, power washing, dust, dirt, and debris.



Industrial - skid steer\bobcat attachments, debris blowers, winches, hydraulic valves/rams, crane applications, hoist control, small engine throttle controls, side\bottom dump trailer gates, tarp rollers, outriggers, salt & sand spreaders. etc



Agriculture - grain drills/planter fill, tractor/small engine throttle control, grain auger swing, auger on/off, hydraulic valve/ram control, conveyors, talc applicators, sprayer valves/booms, hay wagons, seed tenders, gates, etc.



Marine - anchor winches, boat lifts, spot lights, hatch lifts, trailer winches, trailer jacks

Product specification\compliance snapshot:

Vibration: ANSI/SAE EP455 JUL91 document, Section 5.15-Level 1.

External Connectors: Watertight in compliance with ANSI/SAE EP455 JUL 91 document, Section 5.6-Level 1.

Shock: ANSI/SAE EP455 JUL91 document, Section-5.14.2-level 1 and 5.14.3.

Electromagnetic Compliance (EMC): ANSI/SAE EP455 JUL91 document, Section 5.16-evel 1.

Electrostatic Discharge (ESD) Protected to level 1 of ANSI/SAE EP455 JUL91 document, Section-5.12.1

System In\Out Voltage: 12VDC or 24VDC available

Output Amperage: 2.5 Amps per output (x3 outputs) 10Ma per (x1) Max total output = 7.5Amps

(relay kits available for high amperage applications)

Output Detail: (maximum 5.5A max simultaneous output)

Outputs #1 and #2 Digital (2.5 Amps Max each)

H-bridge outputs designed for applications requiring reversing polarity; i.e. reversing electric motors, valves, etc, Outputs may be used together in a reversing application, or can be used as two independent outputs and configured in latched, momentary, time-out, constant, configurations etc.

Output #3 / Digital (1.5 Amp Max)

Standard electrical output – can be configured in latched, momentary, time-out, constant, etc.

Output #4 / Analog (10mA Max)

Digital variable voltage output; 0-10VDC, 10mA, max – designed for use on electronic throttle systems

Warranty: Full one year warranty against manufacturer defect\workmanship from date of installation, not to exceed eighteen months from date of sale.

Contact us today for additional technical, pricing, and delivery information.

info@ rowe-electronics.com
www.rowe-electronics.com
515-264-1808

