Hubbell Wireless Radio Remote Controls

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HUBBELL
Industrial Controls, Inc.

HUBBELL®
Industrial Controls Division

ver 31.601

Transmitter Features & Benefits:

- Available in FCC Part 15 unlicensed 900 MHz frequencies
- Available in FCC Part 90 licensed 450-470 MHz frequencies
- Individual motion control via stepped or stepless steel levers. Up to 6 paddle configuration
- High-intensity 8-digit LED for crane selection/display and 2-way feedback
- Operating range of approximately 500-1,200 ft.
- Standard, C-Cell batteries provide over 80 hours of service
- Completely sealed 33% Glass 6/6 Nylon injection molded case
- Standard TX/RX, Battery and AUX A/B LED indicators
- (10.4 x 5.6 x 5.5" inches)
- Mini and Large platform enclosures also available
- Operating environment -13° to 131° F (-25° to +55° C)
- IP-65 rated - crane service class E
- Maintenance mode operation for switch diagnostics in the field-standard on all transmitters as well as ability to enable and disable transmitter TILT switch

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HRTX MODEL TRANSMITTER

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Receiver Features & Benefits:

- Modular design for ease of maintenance
- Radio Configuration:
  FCC Part 90 licensed 450-470MHz frequencies FCC Part 15 unlicensed 900 MHz frequencies
- Multiple low-level voltage, internal bus fault, processor health and I/O LED diagnostics indication
- Ensures a safe, secure communication link
- The receiver utilizes dual micro-processor design and redundant STOP relays
- Designed to ICS 8 NEMA Crane Specification
- Proprietary radio protocol with Cyclical Redundancy Checking (CRC)
- Outputs cards:
  AC and DC power supply cards (fused)
  FORM A relay card with independent processor (8 relays/card)
  FORM C relay card with independent processor (4 relays/card)
  Analog I/O card with independent processor
  (8 I/O: 0-20mA or 0-10v input or output – jumper configured)
  Max card slots are 6: can be mixed – expansion above 6 via 2nd module

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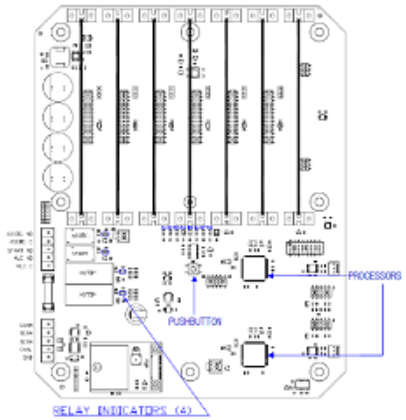

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Safety:

The wireless technology incorporates the latest advancements in RF and microprocessor design. Such features redundant STOP circuitry, dual micro-processors and output card fault monitoring all insure safe wireless operation of your equipment. Most of all, wireless technology removes the operator from harm's way. The operator can choose the safest and most convenient operation position.

Reliability:

All products are backed by Hubbell's years of experience in the material handling market. Our team of qualified engineers are ready to provide you with prompt professional service whenever and wherever you need. This commitment to reliability is backed by a Hubbell's warranty, see Bulletin 1000.

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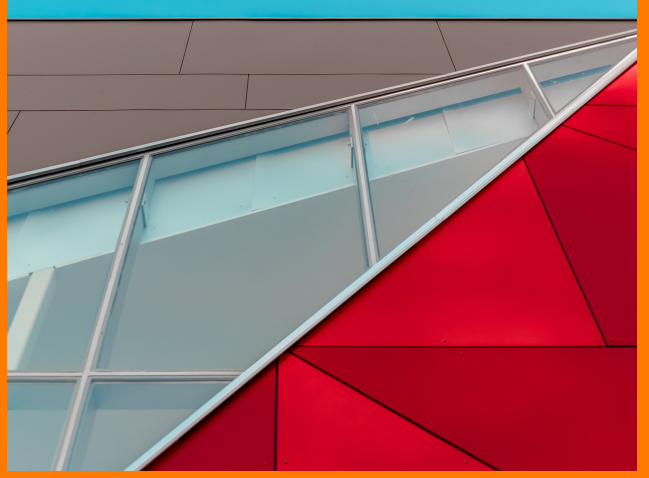
Specification Page
HRTX



Catalogue Numbers

31.651 – DC Radio System
31.652 – AC Radio System

31.825 – Mid-Size Transmitter

Specifications

Power

Operating Voltage	1.9V to 3.2VDC
Batteries	Two (2) C-Type Alkaline (typical)*
Low V Warning	2.1V
Auto-Shutdown	2.0V
Inactivity Shutdown	4-Minutes Standard (Programmable)

Environment

Operating Temp	-13° to +131°F (-25° to +55°C)
Storage Temp	-13° to 185°F (-25° to +85°C)
Humidity	0 to 95% Non-Condensing

Indicators (Red LEDs)

TX/RX	(Transmit/Receive)
BATT	(Battery Status)
A Selection	
B Selection	

Control Switches

Levers	Up to seven single axis
Toggles	Eight momentary or maintained
M-Stop	Two position EOS
Pushbutton	Horn/Start button (green)
Activation Key	90° Off/On
Tilt Switch	Optional

Enclosure

Material	Glass filled nylon
Faceplate	Aluminum
Hardware	Stainless steel
Dimensions	inch: 10.4 x 5.6 x 5.5 mm: 263.5 x 141.5 x 139
Total Weight	3.95 lbs.; 1.8kg

Radio

Frequency	904MHz to 926MHz
License	FCC Part 15 license free
Modulation	Channel Hopping (DSSS)
Antenna	Internal

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