R&M MATERIALS HANDLING INC.®

RaCon® Series II
Radio Control Systems
Crane Operation Made Easy and Safe

www.rmhoist.com

4501 Gateway Blvd.
Springfield, OH 45502
Ph: 937-328-5100
Fax: 937-325-5319
National Toll Free:
1-800-955-9967
www.rmhoist.com

Bulletin No. RCII-2008

© 2008 R&M Materials Handling, Inc.

RaCon® is a registered trademark of R&M Materials Handling, Inc.

R&M Materials Handling, Inc. may alter or amend technical specifications identified herein at anytime with or without notice.

Safety and ease of operation

- Allows full concentration on crane operation, the operator does not have to follow the moving crane with an attached pendant control.
- Crane operator can control the crane from the safest location, no restriction of a fixed-length pendant cable.
- The transmitter's responsive two-step push buttons allow for easy and precise crane control.

Increased productivity

The transmitter stays with the operator, always ready for use. The crane can move at optimum speed and is not limited by the operator's pace.

Less maintenance - long life

- Less maintenance and longer life since there is no pendant cord to wear out and replace.

Ultimately, a radio control system will help you increase productivity and reduce the risk of accidents at your site. In today's highly competitive and safety-concious world, a radio control system is a wise investment with a short payback time.

Two handheld transmitter models

RaCon® Series II system is available with two handheld transmitter models - RaCon® II and RaCon® II Plus. These handheld transmitters are ergonomically designed making them easy to use and carry. All operating elements are located on the front panel of the transmitter ensuring that each button is easily found and accessed.

Flexibility via Frequency Sharing Technology

Each RaCon® Series II system, which includes frequency-sharing technology based on high-level safety circuits and identification coding, is capable of sharing the same frequency without disturbing other nearby RaCon® Series II systems.

Plug-in microchip to minimize downtime

The RaCon® Series II system parameters are stored in an EEPROM microchip that is easily accessed and well protected inside the transmitter. The preset microchip can be easily changed over to the backup RaCon® II transmitter and it requires no additional setup of parameters.

Quick swap battery packs - longer operating times

The rechargeable battery packs last up to eight hours on one charge and can be replaced in seconds. To reach longer operating intervals, the transmitter reverts to a standby mode if the controller remains unused for more than four minutes. The standby mode is overridden by pressing the START button.

RaCon® Series II

RaCon® Series II Plus

General Technical Specifications	
Transmitter protection	NEMA Type 4 (IP65)
Receiver protection	NEMA Type 12 (IP55)
Approvals	CSA c/us, FCC, IC
Supply voltage	48 / 115 VAC 50 / 60Hz
Operating Frequency	902-928 MHz
Operating temperature	-4°F ~ 150°F

RaCon® II Handheld Transmitter

- 11 output relays (8A, 230V)
- 2-step pushbutton for up to 3 movements (hoist, trolley, bridge)
- START / HORN pushbutton
- Key switch
- STOP button
- Standby mode
- Hand strap
- NiMH batteries
- Battery charger with spare battery

RaCon® II Plus Handheld Transmitter

All the above plus:

- 13 output relays (8A, 230V)
- LCD display
- Selector switch

RaCon® II Plus floor level access to crane data

The RaCon® II Plus transmitter can be outfitted with an LCD display for interactive communication with R&M's HoistMontor. When the hoist is equipped with the Hoist-Monitor, the display in RaCon® II Plus provides floor-level access to the crane performance and condition monitoring data such as hoist status, actual loads, and more.

- ***Easily added to an R&M modular crane package!****

* includes horn and transmitter lock box