



# Precise control.

High level of safety by maintaining  
a distance to the load

**DRC-MP D3**  
radio control system

**DEMAG**  
.....

# Combination of proven controls and state-of-the-art radio transmission

Wherever radio control systems are used to control cranes, hoists, industrial doors, machinery, plant and equipment, you can benefit from much greater flexibility than with wire-connected controls.

Our new DRC-MP D3 relay receivers are ideal wireless solutions for controlling machinery, hoists and cranes with conventional contactor control, while offering users many new and useful features:

## ERGONOMIC AND EFFICIENT

Relay receivers can be combined with all DRC-D3 transmitters (button transmitters, joystick transmitters, mini-joystick transmitters)

Multi-transmitter operation: up to 3 transmitters (also different types: button transmitters and joystick transmitters) can be paired with one receiver. Control can be transferred quickly from one transmitter to another at the press of a button:

- Fast and simple transmitter switchover (if a transmitter is broken or lost)
- A hoist or crane can be operated from several different control points with controlled transfer
- Transmitters can be assigned to specific individuals or groups of people

## HIGH SAFETY AND RELIABILITY

- Highly reliable radio transmission thanks to frequency hopping
- Adaptive radio transmission method ensures maximum coexistence with existing radio applications. Complies with new coexistence standard EN 300 328.
- Stop function: Performance Level d, Category 3 to EN ISO 13849-1
- Tough housing resistant to impacts and temperatures
- Integrated rubber bumper (DRC-10)

## SIMPLE INSTALLATION

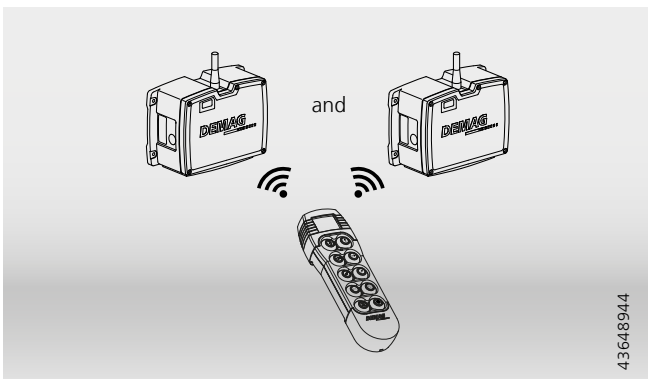
- Wide voltage range power supply (from 24 V DC or AC ... to 240 V AC)
- Optional prepared connecting cables available



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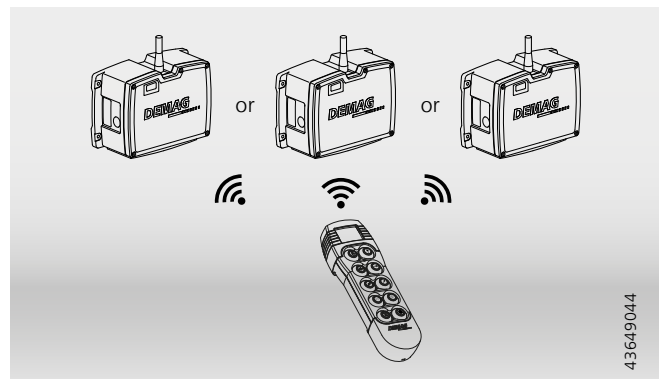
## New useful features

- Load information display
  - On the receiver side: electric interface to Demag overload protection (FGB) components
  - On the transmitter side: load information shown as bar diagram and numeric information on transmitter display
- Speed-limit function: reduced maximum lifting or travel speeds. Can be switched on and off at the press of a button.
- Various multi-receiver operating modes



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One transmitter can control two Demag DRC-MP radio receivers in parallel, enabling one crane to be controlled by several distributed receivers, for example. The STOP functions of both receivers are synchronised.



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One transmitter can control one of a maximum of three pre-paired Demag DRC-MP radio receivers. The active radio receiver transfers the commands to the relevant crane. The transmitter can be switched between the receivers by pressing a combination of buttons.



### DRC-10 D3 PUSHBUTTON TRANSMITTER

- 6 buttons, either as variable buttons or 2-stage buttons
- To control up to three motion axes
- Horn/limit switch test button
- Stop button
- 2 buttons for special functions
- Vibration alarm
- Two-colour LC display
- Fast charging: 2.5 hours to charge – 5 days of operation with one rechargeable battery charge
- Rugged housing
- Weight incl. rechargeable battery: 520 g
- IP 55 enclosure
- Temperature range -20 to +50 °C

Pushbutton transmitter with variable buttons ident no. 773 791 44  
 Pushbutton transmitter with 2-stage buttons ident no. 773 792 44



### DRC-J D3 JOYSTICK TRANSMITTER

- 1 joystick for the lifting/lowering axis
- 1 joystick for two motion axes (long and cross travel)
- Horn/start buttons and limit switch test button
- 4 buttons for special functions that can be used together with DRC-MP D3
- Mechanical key-operated switch to turn the transmitter on and off
- Vibration alarm
- Two-colour LC display
- Interchangeable battery system, external charging station, at least 8 hours of operation with one battery charge
- Weight incl. rechargeable battery: 1800 g
- IP 55 enclosure
- Temperature range -20 to +70 °C

Ident. no. 773 793 44



### DRC-MP D3 RECEIVER

- Supply voltage 24 V DC/AC up to 240 V AC, +/- 10%, 50–60 Hz
- Output relay for 250 V, 8 A, AC11
- PWM outputs for variable inverter control
- 3 digital feedback channels
- Feedback channel to show load information on transmitter display
- Multi-transmitter mode: up to 3 different transmitters can be paired, fast switchover/change between transmitters possible
- Various multi-receiver operating modes
- IP 65 enclosure
- Temperature range -20 to +70 °C
- W x H x D: 256 x 183 x 104 mm

Ident. no. 773 795 44

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# DEMAG