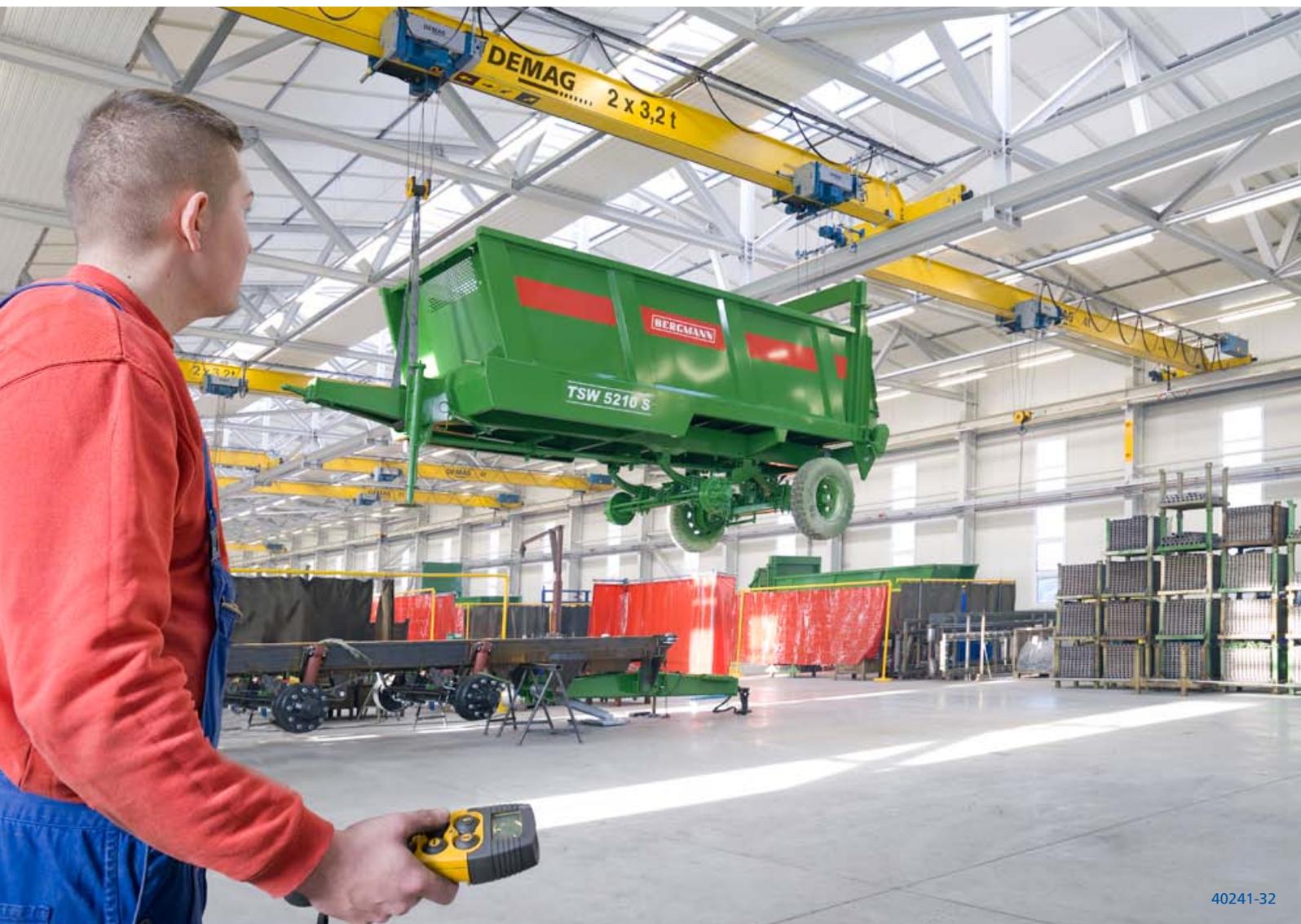


Demag radio controls

Robust, reliable and convenient



Demag DRC-MP radio control system – the universally successful solution

Demag radio controls enable you to benefit from much greater flexibility in your operating environment compared to wire-connected controls. The most important advantages include better ergonomics, greater safety thanks to the variable distance to the load and, ultimately, improved productivity.

Efficiency at the press of a button

The Demag DRC-MP radio control system offers a wide variety of functions and can be universally employed wherever cranes, hoists, machinery or doors have to be controlled. Choose between pushbutton or joystick transmitters. They are both also suitable for controlling complex installations with up to three motion axes and additional functions. State-of-the-art radio transmission provides for reliable operating processes in any situation.





39233-5

DRC-10 pushbutton transmitter

- 6 infinitely variable pushbuttons (for infinitely variable or max. 2-stage control of up to 3 axes)
- Horn/limit switch test button
- Stop button
- 2 pushbuttons for special functions
- Weight incl. rechargeable battery: 500 g
- IP 55 enclosure
- Temperature range -20 to +50 °C

Ident. no. 773 591 44

Safe and reliable

- Highly reliable data transmission thanks to frequency hopping
- Bi-directional signal transmission
- Graphic display showing battery capacity and installation status or warning messages
- Stop function according to safety category 3/EN 954

Simple and convenient

- Ergonomic design
- Precise and gentle travel thanks to infinitely variable pushbuttons or infinitely variable joystick elements
- Simple and fast commissioning by means of wireless transmitter log-on
- Rechargeable battery-powered transmitter with high level of availability thanks to 2-hour fast charging (the pushbutton transmitter can be operated with conventional Mignon AA batteries in an emergency)
- Postal authority approval for operation without any need for registration or operating fees in many countries

Strong and robust

- Impact and temperature-resistant housing design
- Integrated impact protection (DRC-10)



39487-1

DRC-J joystick transmitter

- 1 joystick for the lifting/lowering axis
 - 1 joystick for 2 axes (cross and long travel)
 - 1 horn/start button
 - 1 limit switch test button
 - 2 pushbuttons for special functions
 - Mechanical key-operated switch to turn the transmitter on and off
 - Weight incl. rechargeable battery: 1,800 g
 - IP 55 enclosure
 - Temperature range -20 to +70 °C
- Ident. no. 773 583 44



39494-1

DRC-MP receiver

- Supply voltage 42–240 V AC, +/- 10 %, 50–60 Hz
- Output relay for 250 V, 8 A, AC11
- PWM outputs
- 3 digital feedback channels
- Power consumption 12 VA
- IP 65 enclosure
- Temperature range -20 to +70 °C
- WxHxD: 256 x 183 x 104 mm

Ident. no. 773 584 44



40334

Demag DRC-DC radio control system – for Demag DC chain hoists

The DRC-DC radio control system is the ideal solution for optimum operation of Demag high-performance DC chain hoists. With pushbutton transmitters available in two sizes, up to two (DRC-DC 6) or three motion axes (DRC-DC 10) can be controlled.

The particularly small receiver consists of a circuit board which can be used in various mounting configurations. For chain hoist sizes DC 1 to DC 10, the receiver is integrated into a housing and attached to the outside of the chain hoist. Pre-assembled cables facilitate fast and easy connection to the hoist, crab or crane electrical equipment. For chain hoist sizes DC 16 and DC 25, the receiver is inserted into the corresponding slot beneath the chain hoist electrical equipment cover.





39602-5

DRC-DC 6 pushbutton transmitter

- 6 buttons for two-stage control of up to 2 motion axes
- Horn test button
- Stop button
- Weight incl. rechargeable battery 410 g
- IP 55 enclosure
- Temperature range -20 to +50 °C



39669-2

DRC-DC 10 pushbutton transmitter

- 10 buttons for two-stage control of up to 3 motion axes
- Horn test button
- Stop button
- 2 pushbuttons for special functions
- Weight incl. rechargeable battery 490 g
- IP 55 enclosure
- Temperature range -20 to +50 °C



39613-1

DRC-DC receiver

- Receiver board for installation in or attachment to DC chain hoists

Receiver accessories for external fitting to chain hoist sizes DC 1 to DC 10

- Electrical box incl. transformer board
- Adapter plate and mounting material
- Pre-assembled power and control cables for connection to the chain hoist or crane

Safe and reliable

- Reliable radio transmission thanks to frequency hopping – based on cellphone radio standards
- Automatic frequency management
- Display section for operating statuses and battery capacity
- Stop function according to safety category 3/EN 954

Simple and convenient

- Ergonomic design
- Simple transmitter operation
- High level of availability thanks to 2-hour fast charging of the transmitter battery or operation with conventional Mignon AA batteries
- Worldwide postal authority approval for operation without any need for registration or operating fees
- Simple wireless hand-held transmitter log-on

Strong and robust

- Impact and temperature-resistant housing
- Integrated bumper



39700



39491-3

Demag DRC-10 CAN radio control system – for cranes fitted with Demag DR rope hoists

The DRC-10 CAN radio control system is specially designed for controlling cranes fitted with Demag DR rope hoists. It facilitates ease of operation and provides additional information in defined operating modes on its display.

All system components are monitored and controlled via a field bus (CAN Bus), thus offering considerable benefits in terms of commissioning, maintenance and service.

Automatic adaptive frequency management prevents the range and availability of a system operated by wireless control from being limited if several transmitters simultaneously use the same frequency range.

Bi-directional communication also enables the hand-held transmitter to operate as a receiver. In this way, current installation status information can be shown on the display of the hand-held transmitter.

The stepless buttons are a further feature of the DRC-10 radio control system. They can be used to control fixed and variable speed drives.

The system provides the operator with highly sensitive speed control for very slow motions, which enables sensitive goods to be positioned exactly.





39233-5

DRC-10 pushbutton transmitter

- 6 pushbuttons for variable speed control or a maximum of 2-stage control of up to 3 axes
- Horn/limit switch test button
- Stop button
- 2 pushbuttons for special functions
- Weight incl. rechargeable battery: 500 g
- IP 55 enclosure
- Temperature range -20 to +50° C
- Range approx. 100 m

Ident. no. 773 591 44



39487-1

DRC-J joystick transmitter

- 1 joystick for lifting/lowering axis
- 1 joystick for 2 axes (cross and long travel)
- 1 horn/start button
- 1 limit switch test button
- 2 pushbuttons for special functions
- Mechanical key-operated switch to turn the transmitter on and off
- Weight incl. rechargeable battery: 1800 g
- IP 55 enclosure
- Temperature range -20 to +70° C
- Range approx. 100 m

Ident. no. 773 583 44



40336

Safe and reliable

- High data transmission reliability thanks to bi-directional communication between transmitter and receiver
- High availability thanks to fast charging of the standard rechargeable AA batteries and capacity shown on the standard display
- Installation transparency thanks to display showing battery capacity and installation operating data; an additional LED provides a continuous overview of the operating status of the hand-held transmitter
- Fast condition diagnosis on DR rope hoists – an integrated infrared interface provides a connection to PC diagnostic software, which enables the electronic memory of Demag DR rope hoists to be read out

Simple and convenient

- Installation and commissioning in minutes – just insert the receiver board into the rope hoist electrical equipment and assign the hand-held transmitter by radio
- Replacement transmitters are simply put into service in the same way
- Ergonomic handling thanks to optimum arrangement of the buttons – also with gloves
- Selector switch for crab selection with dual hoist operation or function key

Strong and robust

- Shock and temperature-resistant transmitter housing with integrated impact protection

Useful extras – accessories for Demag DRC radio control systems

Many useful accessories are available for Demag DRC radio control systems – e.g. a silicone sheath to protect against chemicals and abrasives. The carrying bag also offers external protection and ensures that your radio control is always at hand. It can be easily carried on a shoulder strap or alternatively clipped to your belt. With an additional battery pack as a replacement unit and the matching external charger, your radio control will be ready for operation at all times.



Accessory	Suitable for model	Ident. no.
Silicone protective sheath	DRC-DC 6	773 680 44
	DRC-10/DRC-DC 10	773 580 44
Carrying bag with shoulder strap and belt clip	DRC-DC 6	773 433 44
	DRC-10/DRC-DC 10	773 434 44
Battery pack (2 x 2000 mAh, ReCyKo system, capacity for 8 hours of continuous operation)	All DRC models	773 499 44
External charger for battery pack	All DRC models	773 501 44
European spare plug-in charger unit, 110–230 V, 50/60 Hz	All DRC models	773 438 44
Spare parts set (1 pair of housing rubber caps, 5 battery bridge contacts)	All DRC models	773 415 33
Spare key symbols	Independent	773 465 44
Crane ID stickers for visual “crane/transmitter” assignment	Independent	895 639 44 * + 895 640 44 *
Cross-travel direction sticker for crane, 2-stage	Independent	895 636 44
Long-travel direction sticker for crane, 2-stage	Independent	895 638 44

* Recommended for DRC-DC 6/DRC-DC 10: 3x 895 639 44 + 3x 895 640 44; for DRC-10: 4x 895 639 44 + 4x 895 640 44