



Wireless control with range limitation

**Demag DIR infrared
control system**

DEMAG

Always on the right wavelength: Demag DIR infrared control

Whatever you need to control with a wireless system, you are always on the safe side with Demag DIR infrared control – for cranes, suspension monorails, transfer carriages or other equipment. The limited range of approx. 40 m between the transmitter and sensor(s) ensures that operators are always close to the machinery to be controlled and, consequently, they can always keep the area where the machinery is operating in view.



DIR 6 hand-held transmitter housing with inductive charging station



DIR 10 hand-held transmitter

STRONG PERFORMANCE

- DIR H 6 (with 6 buttons) and DIR H 10 (with 10 buttons): compatible with all IR E 6 and IR E 10 receivers, respectively
- Bicolour display and vibration alarm
- Multi-transmitter operation with "catch" and "enable"
- Short charging time
- Rechargeable battery capacity for 30 hours of continuous operation
- Safe and reliable operation in ambient temperatures ranging from -20 °C to +70 °C
- Additional protection included: supplied with silicone protective sleeve as standard
- Optional: DIR-L inductive charging station

HIGH SAFETY AND RELIABILITY

- Stop function corresponds to Cat. 3 @ PL 'd' to EN 13849-1
- Load always in sight: transmitter range of 40 m in ambient light < 1000 lx
- IP 55 enclosure

INDIVIDUAL SOLUTIONS

Multi-transmitter benefits:

- Control can be transferred from one transmitter to the next
- Transmitters can be assigned to users (up to 4 users/groups per crane)

VERSATILE APPLICATION

- Operation without need for registration or license fees: no country-specific approvals explicitly required



DIR H6 transmitter with inductive charging station, which also serves as a wall bracket



Ergonomic working conditions ensure a tangible improvement in productivity

DIR infrared controls can be used for the safe and convenient control of hoist units, hoists with electric travel drives (2 motion axes) or cranes (3 motion axes). Infrared light, with its typical physical characteristics, is a transmission medium that combines the convenience of maintaining a distance to the load with the safety aspect of limiting the system's range.

SCOPE OF DELIVERY

A complete IR system includes at least one hand-held transmitter, a corresponding receiver and an IR-S infrared sensor.

IR E6 AND IR E10 RECEIVERS

Infrared receivers are complete units that have their own enclosure and are equipped for different supply voltages and scopes of functionality.

HAND-HELD TRANSMITTER SCOPE OF DELIVERY

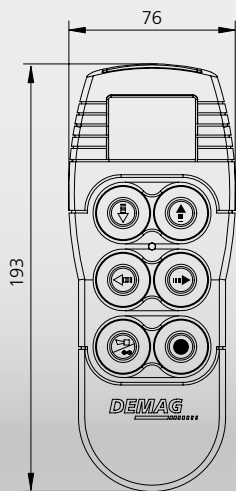
- Rechargeable battery
- Plug-in charger
- Silicone protective sleeve
- Operating manual/assembly instructions
- Button symbols for the hand-held transmitter
- Optional:
 - Inductive charging station
 - Bag with shoulder strap and belt clip

Transmitter	Ident. no.	Suitable IR receivers				
		17 - 51 V AV	94 - 240 V AC	115 V / 230 V AC	42 / 48 V AC	24 V DC
		Ident. no.	Ident. no.	Ident. no.	Ident. no.	Ident. no.
DIR H 6	773 890 44	792 600 44	792 601 44	-	-	-
DIR H 10	773 895 44	-	-	895 711 44	895 713 44	895 706 44

TECHNICAL DATA

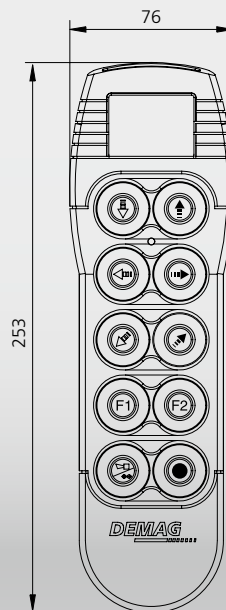
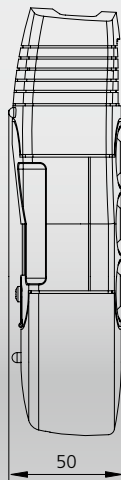
- DIR H6 4 x 2-step or DIR H10 6 x 2-step buttons
- Stop button (emergency stop)
- Horn button
- Bicolour illuminated LC graphic display
- Infrared signal transmission
- Range approx. 40 m (indoors)
- IP 55 enclosure
- Weight with battery 450 g (DIR H6) or 545 g (DIR H10)
- Battery charging time approx. 2 hours
- Charger supply voltage 110 - 230 V, 50/60 Hz
- Approx. 30 hours of operation with one battery charge

DIMENSIONS



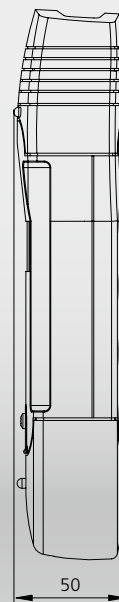
DIR H6 hand-held transmitter
Ident. no. 773 890 44

42661344



DIR H10 hand-held transmitter
Ident. no. 773 895 44

42661345



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