

Itowa ✪

Radio Remote Control Systems

WINNER

Remote control for cranes and machines



MODERN, ADVANCED, PROGRESSING IN RADIOCONTROL

The transmitter has 10 double pushbuttons and other optional actuators, such as: selectors/switches that can be fixed toggle switch up to 12 positions, returned toggle switch or potentiometers.

Its design contemplates the possibility of incorporating the latest technological advances such as:

- The infrared (IR) system: The remote can only be used when there is an infrared connection between the transmitter and the receiver.
- The DATAFEEDBACK option: Allows displaying information from the crane or machine on the transmitter through LEDs or an LCD screen.

The remote also incorporates the Intelligent Frequency Change Management (GCFI). With this, the device has the ability to detect interferences and position itself in another channel, preventing the general contactor from falling.



WINNER

Remote control for cranes and machines

The remote controls of the WINNER series can be configured in several ways:

TANDEM: One transmitter acts on two or more receivers.

CATCH & RELEASE: Two or more transmitters act on only one receiver.

MASTER/SLAVE: Two transmitters act on two receivers.

PRE-SELECTION OF TROLLEY: The operator can select either an individual trolley or both trolleys for simultaneous control.

The transmitter is equipped with LED indicators and, as an option, an LCD display can be added. Both options can be configured to include data feedback function.



TECHNICAL FEATURES Winner

- Hamming distance ≥ 6
- Order response time < 50 ms
- Active emergency responding time < 50 ms
- Passive emergency responding time 1600 ms
- Operating range distance 90 m / 295 ft

TRANSMITTER

Operating range frequency 433-434 MHz
868-870MHz.

Channel spacing 25kHz

Modulation FM

RF power output 10mW P.R.A

Coding key FFSK

Transmitting power consumption < 80 mA

Standby power consumption < 800 mA

Battery capacity and type Removable battery NiMH 3.6V

Operating working time 24 hours

Operating temperature -20°C a $+70^{\circ}\text{C}$ / -4°F to 158°F

Transmitter Weight (without battery) 0.6 kg / 1,33 lb

Battery weight 121g / 0.27 lb

Dimensions 236 x 66 x 66 mm / 9,29x2,60x2,60 in

BATTERY CHARGER

Charger power supply 230 Vac / 14 Vdc

Power requirements 12 Vdc / 24 Vdc

Battery charging time 7-8 hours

Protection rating IP 30

Dimensions 105 x 48 x 91 mm / 4,13x1,89x3,58 in



Compatible with receivers



IT3R10

- Number of commands 10 (9+Start-Horn) + 2 Stop
- Relays
- Power requirements Resistive load: 5A to 250Vac or 30Vdc
48Vac/115Vac/220Vac (-20% +15%)
24Vac / 24Vdc (-20% + 15%)
- Dimensions 190x83x165 mm
- Safe Level Category 4 - SIL3/PLe



IT3R16

- Number of commands 16 (15+Start-Horn) + 2 Stop
- Relays
- Power requirements Resistive load: 5A to 250Vac or 30Vdc
48Vac/115Vac/220Vac (-20% +15%)
24Vac / 24Vdc (-20% + 15%)
- Dimensions 290x200x80 mm
- Safe Level Category 4 - SIL3/PLe



IT3R22 (RXV06)

- Number of commands 22 (21+Start-Horn) + 2 Stop
- Relays
- Power requirements Resistive load: 5A to 250Vac or 30Vdc
48Vac/115Vac/220Vac (-20% +15%)
24Vac / 24Vdc (-20% + 15%)
- Dimensions 374x274x110 mm
- Safe Level Category 4 - SIL3/PLe

IT3RBUS

- Number of commands Via BUS + 2 Stop
- Same features as IT3R10

Compatible with the following protocols:



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Design and specifications are subject to modifications without previous notice

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