

# Itowa

35  
1986 / 2021  
Years

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  $\geq 6$

Order response time  $< 50$  ms

Active emergency responding time  $< 50$  ms

Passive emergency responding time 1600 ms

Operating range distance 100 m / 328 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  $-20^{\circ}\text{C}$  a  $+70^{\circ}\text{C}$  /  $-4^{\circ}\text{F}$  to  $158^{\circ}\text{F}$

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 5 hours (with fast charging)

Protection rating IP 30

Dimensions 75x95x50 mm / 2,95x3,74x1,96 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  
Protection rating IP65



### IT3R16

16 (15+Start-Horn) + 2 Stop  
Resistive load: 5A to 250Vac or 30Vdc  
48Vac/115Vac/220Vac (-20% +15%)  
24Vac / 24Vdc (-20% + 15%)  
290x200x80 mm  
Category 4 - SIL3/PLe  
IP65



### IT3R22 (RXV06)

22 (21+Start-Horn) + 2 Stop  
Resistive load: 8A to 250Vac or 30Vdc  
48Vac/115Vac/220Vac (-20% +15%)  
24Vac / 24Vdc (-20% + 15%)  
374x274x110 mm  
Category 4 - SIL3/PLe  
IP65

### IT3RBUS

Number of commands Via BUS + 2 Stop

Same features as IT3R10

Compatible with the following protocols:



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