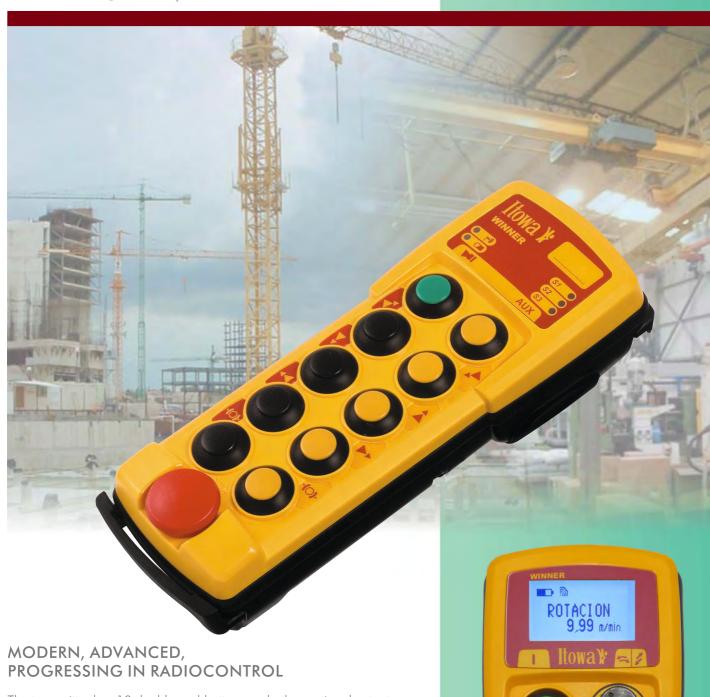


Radio Remote Control Systems

WINNER

Remote control for cranes and machines



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.





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 $105 \times 48 \times 91 \text{ mm} / 4,13 \times 1,89 \times 3,58 \text{ in}$

Compatible with receivers



Number of commands

10 (9+Start-Horn) + 2 Stop Resistive load: 5A to 250Vac or 30Vdc Relays 48Vac/115Vac/220Vac (-20% +15%) Power requeriments 24Vac / 24Vdc (-20% + 15%)

Dimensions 190x83x165 mm Safe Level Category 4 - SIL3/PLe

Number of commands Same features as IT3R10 Compatible with the following protocols: **IT3RBUS** Via BUS + 2 Stop







IT3R16

290x200x80 mm

Category 4 - SIL3/PLe

16(15+Start-Horn) + 2StopResistive load: 5A to 250Vac or 30Vdc 48Vac/115Vac/220Vac (-20% +15%)

24Vac / 24Vdc (-20% + 15%)











IT3R22 (RXV06)

22 (21+Start-Horn) + 2 Stop Resistive load: 5A to 250Vac or 30Vdc 48Vac/115Vac/220Vac (-20% +15%) 24Vac / 24Vdc (-20% + 15%) 374x274x110 mm

Category 4 - SIL3/PLe





Design and specifications are subject to modifications without previous notice