

Itowa

Radio Remote Control Systems

TUNNER

Remote control for cranes



THE ESSENCE OF RADIOCONTROL

The TUNNER range of Radio Remote Controls incorporates within its compact size all the functions of a basic radio remote control. The compact yet rugged transmitter has 7 double depression pushbuttons and an emergency stop, It has been designed to suite most industrial applications.

As a standard, its design incorporates the advanced feature of Intelligent Changing Frequency Management GCFI. The manufacturing, using new durable materials provides the equipment with a greater resistance to either harsh weather conditions or possible impacts.



TUNNER

Remote control for cranes

The TUNNER range has either 4 or 6 double depression pushbuttons, and another pushbutton for the start manoeuvre. There are 4 leds which supply the operator with visual indications of the systems status.

The complete system has been designed so that it can be manipulated without tools, the transmitter. This reduces the costs of technical assistance to facilitate in the programming and configuration of the system.

The equipment incorporates the advanced feature of Intelligent Changing Frequency Management GCFI. This technology enables the equipment to detect and select the most adequate channel within the frequency band, avoiding possible interferences.



TECHNICAL SPECIFICATIONS Tunner

Hamming distance	≥ 6
Responding time	< 50 ms
Active emergency responding time	< 50 ms
Passive emergency responding time	1600 ms
Operating range distance	90 m

TRANSMITTER

Operating range frequency	433-434 MHz 868-870MHz.
Channel spacing	25kHz
Modulation	FM
RF power output	10mW A.R.P
Coding key	FFSK
Transmitting power consumption	< 80 mA
Standby power consumption	< 800 μA
Battery capacity and type	Removable battery NiMH 3.6V
Operating working time	10 hours
Operating temperature	-20°C to +70°C
Transmitter Approx. Weight	(Without battery) 0,325 kgs
Dimensions	170 x 70 x 55 mm / 6,69 x 2,75x2,17 in
Protection rating	IP 65
Actuators	4-6 double pushbuttons, Start pushbutton and Emergency Stop

BATTERY CHARGER

Charger power supply	100-240 Vac (max 3VA)
Battery charging time	2,5 hours
Protection rating	IP30
Dimensions	105 x 75 x 45 mm / 4,13 x 2,95 x 1,77 in



Compatible with receivers



IT3R10

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



IT3R16

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



IT3R22 (RXV06)

Number of commands	22 (21+Start-Horn) + 2 Stop
Relays	Resistive load: 5A+5A at 250Vac or 30Vdc
Power requirements	48Vac/115Vac/220 Vac (-20% +15%) 24Vac / 24Vdc (-20% + 15%)
Dimensions	374x274x216 mm
Safe Level	Category n° 4 – SIL3/PL e



Itowa®
Radio Remote Control Systems

Faraday, 159 - 08224 TERRASSA (Barcelona) SPAIN
Tel. +34 93 733 98 50 - Fax +34 93 789 13 51
<http://www.itowa.com> - e-mail: info@itowa.com