



COMPLETE CONTROL IN YOUR HANDS

The COMBI range is ideal for the remote control of building and industrial cranes, bridge cranes and all electro-mechanical machinery. It provides greater safety, as it enables the operator to be optimally located in the hardest working conditions. Greater profitability is also achieved, saving in time and staff.

Its exclusive design combines strength, class and easy-handling incorporating the latest technology. One of its advantages is that several manoeuvres can be carried out simultaneously.



COMBI

Remote control for cranes and machines

Combi remote control has two versions of the operating commands: digital up to 4 or 6-step joysticks, or analogical and proportional step-less joysticks, so that it can control digital or analogical manoeuvres. Analogical manoeuvres can be adjusted by the operator from the transmitter, independently from each manoeuvre.

It incorporates a multi-frequency, synthesized radio system that enables the operator to automatically change the working channel.

These units accept several operation configurations depending on each application.

MASTER/SLAVE: Two transmitters control two receivers.

PITCH & CATCH: Two transmitters control one receiver.

TANDEM: One transmitter controls two receivers.



TECHNICAL DESCRIPTION Combi

Number of commands 13 / 21 / 25 / 30 + Start - Stop - Horn
 Responding time < 50 ms
 Active emergency responding time < 50 ms.
 Passive emergency responding time 1.900 ms
 Operating range distance 100 m / 328ft

TRANSMITTER

Operating frequency range 433 to 434 MHz/868 to 870 MHz
 Channel spacing 25 kHz
 Modulation FM
 RF power output 10 mW P.R.A.
 Coding key FFSK
 Transmitting power consumption 80 mA
 Standby power consumption < 800µA
 Operating working time (20°C/ 68°F) 16 hours
 Battery capacity and type Ni-MH battery 7,2V , 1.500mAh
 Operating temperature -20°C to +70°C / -4°F to +158°F
 Casing material Polyamide 6-6 reinforced with 15% fiberglass
 Transmitter weight 1,8 Kg / 3,9 lbs
 Protection rating IP 65
 Operating commands 2 double-axis manipulators
 Indicator leds Transmission indicator and low-battery on separate leds

BATTERY CHARGER

Power requirements 220 Vac (optional 110 Vac)
 Dimensions 90x110x65 mm
 Battery charging time 7-8 hours
 Temperature charging range 0°C a 40°C / 32°F to 104°F
 Weight 200g / 0,44 lbs

Compatible with receivers:



Rx32 MF2



IT3R22 - IT3R26 (RXV06)



IT3R16

	Rx32 MF2	IT3R22 - IT3R26 (RXV06)	IT3R16
N° of commands	30 (28+Start+Horn) + 2 Stop	22 (21+Start-Horn) + 2 Stop 26 (25+Start-Horn) + 2 Stop	16 (14+Start+Horn) + 2 Stop
Relay and Analog Output	30 (28+Start+Horn) + 2 Stop + 7 analog outputs for bipolar and unipolar voltages	18 (17+Start-Horn) + 2 Stop + 7 analog outputs for bipolar and unipolar voltages	---
Relays Power requirements	Resistive load: 5A to 250Vac or 30Vdc 48Vac/115Vac/220 Vac(-20% +15%) 24Vac/24Vdc(-20% +15%)	Resistive load: 5A to 250Vac or 30Vdc 48Vac/115Vac/220 Vac(-20% +15%) 24Vac/24Vdc(-20% +15%)	Resistive load: 5A to 250Vac or 30Vdc 48Vac/115Vac/220 Vac(-20% +15%) 24Vac/24Vdc (-20% +15%)
Dimensions	315x235x120 mm	374x274x110 mm	290x200x80 mm
Security Level	Category 4 - SIL3/PLe	Category 4 - SIL3/PLe	Category 4 - SIL3/PLe



Design and specifications subject to modification without previous notice. 10/2019

Itowa®

Radio Remote Control Systems

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