



COMPLETE CONTROL IN YOUR HANDS

The COMBI range is ideal for the remote control of building and industrial cranes, overhead cranes and all electro-mechanical machinery.

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.



COMBI

Remote control for cranes and machines

TECHNICAL FEATURES 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 1.600 ms
 Operating range distance 100 m / 328ft

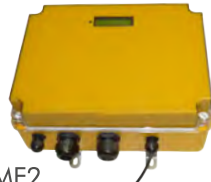
TRANSMITTER

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) 18 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 90x105x65 mm
 Battery charging time 2,5 hours
 Temperature charging range 0°C a 40°C / 32°F to 104°F
 Weight 200g / 0,44 lbs

Compatible with receivers:



Rx32 MF2

Nº of commands 30 (28+Start+Horn) + 2 Stop

Relay and Analog Output 30 (28+Start+Horn) + 2 Stop
 + 7 analog outputs for bipolar and unipolar voltages

Relays Resistive load: 5A to 250Vac or 30Vdc
 Power requirements 48Vac/115Vac/220 Vac(-20% +15%)
 24Vac/24Vdc(-20% +15%)

Dimensions 315x235x120 mm
 Security Level Category 4 - SIL3/PLe
 Protection rating IP65



IT3R22 - IT3R26 (RXV06)

22 (21+Start-Horn) + 2 Stop
 26 (25+Start-Horn) + 2 Stop
 30 (29+Start-Horn) + 2 Stop

18 (17+Start-Horn) + 2 Stop
 + 7 analog outputs for bipolar and unipolar voltages

Relays Resistive load: 8A to 250Vac or 30Vdc
 Power requirements 48Vac/115Vac/220 Vac(-20% +15%)
 24Vac/24Vdc(-20% +15%)

Dimensions 374x274x110 mm
 Category 4 - SIL3/PLe
 Protection rating IP65



IT3R10

Nº of commands 10 (9+Start-Horn) + 2 Stop
 Relays Resistive load: 5A at 250Vac or 30Vdc
 Power requirements 48Vac/230Vac (-20% +15%) (*)
 24Vac / 24Vdc (-20% + 15%)

Dimensions 190x83x165 mm
 Safety level Category 4 - SIL3/PLe
 Protection rating IP65



IT3R16

16 (14+Start+Horn) + 2 Stop
 Resistive load: 5A to 250Vac or 30Vdc
 Power requirements 48Vac/115Vac/220 Vac(-20% +15%)
 24Vac/24Vdc (-20% +15%)

Dimensions 290x200x80 mm
 Category 4 - SIL3/PLe
 Protection rating IP65

IT3RBUS

Nº of commands BUS + 2 Stop
 Same features as IT3R10

Compatible with the following protocols:



Itowa®
 Radio Remote Control Systems

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