

Itowa ✪

Radio Remote Control Systems

GOLD

Remote control for cranes



SMALL, ECONOMICAL, INNOVATIVE THE GREATEST

All the latest generation technology developed by Itowa has been incorporated in the smallest standard transmitter of the GOLD Series. With its reduced size, it can control all standard overhead cranes with safety and precision, as well as all electromechanical-driven machinery. Its ergonomics and easy-to-handle design frees the second hand of the operator so that he can help in controlling the suspended load.

The low cost of this innovative remote control together with its multiple features, offers users the most optimum cost effective product on the market.



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The GOLD remote control is able to control all overhead cranes and mechanisms easily and simply. It has been conceived and designed bearing in mind the start-up speed of all equipment. The identification code between the transmitter and the receiver is in the on/off key, so that by inserting the key in any transmitter, this is matched safely and reliably with the receiver. When the transmitter key is inserted in the controller board of the receiver, it picks up the identification code and then only controls this receiver. In this way, the user has a quick and efficient method to solve any incident affecting the system with a minimum number of spare parts.

The low consumption of the transmitter and battery charging system fitted in the button panel - the charger is connected in the same place as the key - provides sufficient autonomy for over 25 hours of uninterrupted use.

It incorporates a multi-frequency synthesised radio system in the 868 MHz band, enabling the user to change the working channel without tools.

The GOLD series accepts PITCH & CATCH configuration: Two transmitters act on a single receiver.

TECHNICAL SPECIFICATIONS Gold

Number of commands	10 / 13 + Start - Stop
Responding time	< 50 ms
Active emergency responding time	< 50 ms.
Passive emergency responding time	< 2.000 ms
Operating range distance	< 90 m

TRANSMITTER

Operating range frequency	UHF UN39 del CNAF (868.000 MHz - 870.000 MHz)
Channel spacing	25 kHz
Modulation	FM
RF power output	5 mW P.R.A.
Coding key	FFSK
Transmitting power consumption	35 mA
Standby power consumption	< 800 mA
Operating working time (20°C)	25 hours in continuous operation + 30 minutes after low-battery led flashes
Battery capacity and type	Battery Ni-MH 4'8V, 750 mAh
Battery weight	70 g
Operating temperature	- 10°C + 55°C
Casing material	ABS
Transmitter weight	200 g
Protection rating	IP 62
Operating commands	Double-speed push-buttons
Indicator leds	Transmisión indicator and low-battery on separate leds

RECEIVER

Sensitivity	0'3mV a 12 dB sinad
Outputs	Digitals by relays 5A, 30Vdc / 5A, 250Vac with resistive load (cos ϕ = 1) Comm.Port. RS-485
Display	Leds to visualize status
Power requirements	24 o 48 Vac, 24 Vdc available 115 Vac / 230 Vac / 12 Vdc
Consumption (16 relays)	0,7 A to 48 Vac
Casing material	Poliamide 6-6 reinforced with 30% fibreglass
Dimensions	255x200x95 mm
Weight	2'8 kg (16 relays)
Protection rating	IP 65
Options	Switches to select: <ul style="list-style-type: none">- Atagonic movements- Independent seconds speeds- Auxiliar y flip-flop relay (only activated during normal operation)- Auxiliar y relay as zero point position

BATTERY CHARGER

Power requirements	230 Vac
Dimensions	56x81x48 mm
Battery charging time	4 hours
Temperature charging range	0°C to 40°C
Weight	200 g

