

Itowa ✪

Radio Remote Control Systems

BOGGY

Remote control for cranes



A HIGH-TECH CLASSIC

The BOGGY range has the most advanced radio technology integrated in a classic remote control, ideal for construction and industrial cranes and for any type of electro-mechanical machinery.

The digital electronic application of the transmitter in a Telemecanique push-button casing, combines tradition with the latest technology, so that it maintains its main features such as resistance, strength, durability, original push-buttons, etc. and also meets with the most stringent safety standards.



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Boggy remote controls can be fully configured. Bearing in mind the various needs of each application, there are several models of push-button casing, with 6, 8 and 12 buttons that can be single, double or triple speed.

The receiver has an LCD display reporting system status, providing greater safety and agility if anomalies are detected. It also has an RS-485 serial port to connect to PLCs, robots, variators or any peripheral equipment that requires information through the serial port.

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 SPECIFICATIONS Boggy 8 / Boggy 12

Number of commands	12 / 20 + Start - Stop - Horn
Responding time	< 50 ms
Active emergency responding time	< 50 ms.
Passive emergency responding time	1.900 ms
Operating range distance	200 m / 656 ft

TRANSMITTER

Operating range frequency	Standard : UHF 433.050 MHz - 434.775 MHz, others available.
Channel spacing	25 kHz
Modulation	FM
RF power output	10 mW A.R.P.
Coding key	FFSK
Transmitting power consumption	80 mA
Standby power consumption	< 800 μ A
Operating working time (20 °C/68 °F)	11 hours + 30 minutes with low-battery led ON
Battery capacity and type	Ni-MH battery 7,2 V , 1.500 mAh
Battery weight	200 g / 0,44 lb
Operating temperature	-10 °C to 55 °C / 14 °F to 131 °F
Casing material	P.E.T.
Transmitter weight	1,1 kg (2,42 lb) (Boggy 8)/ 1,5 kg (3,30 lb) (Boggy 12)
Protection rating	IP 65
Operating commands	Single / double / triple - speed push-buttons type TELEMECANIQUE
Indicator leds	Transmission indicator and low-battery on separate leds

RECEIVER

RF Sensitivity	0'3 μ V at 12 dB S/N
Outputs	Digitals by relays 5 A, 30 Vdc / 5 A, 250 Vac with resistive load (cos ϕ =1) Comm. Port. RS-485
Power requirements	48 Vac / 115 Vac / 230 Vac (available 24 Vdc / 12 Vdc)
Display	LCD display matrix 2x16 reporting system status
Consumption 16 relays	0,14 A at 230 Vac / 0,29 A at 115 Vac / 0,7 A at 48 Vac
32 relays	0,18 A at 230 Vac / 0,35 A at 115 Vac / 0,9 A at 48 Vac
Casing material	Polyamide 6-6 reinforced with 30% fibreglass
Dimensions 16 relays	255x200x95 mm / 10,04x7,87x3,74 in
32 relays	315x235x120 mm / 12,40x9,25x4,72 in
Weight	2'8 kg (6,17 lb) (16 relays) / 4'2 kg (9,48 lb) (32 relays)
Protection rating	IP 65

BATTERY CHARGER

Power requirements	230 Vac (available 110 Vac)
Dimensions	163 x 140 x 81 mm / 6,42 x 5,51 x 3,19 in
Battery charging time	8 hours
Temperature charging range	0 °C to 40 °C / 32 °F to 104 °F
Weight	1,55 kg / 3,42 lb



AMPI

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