

# Itowa ✪

Radio Remote Control Systems

35  
1986 / 2021  
Years

## 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.



# BOGGY

## Remote control for cranes

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 speed.

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

Hamming distance  $\geq 6$   
 Responding time  $< 50\text{ms}$   
 Active emergency responding time  $< 50\text{ms}$   
 Passive emergency responding time 1600 ms  
 Operating range distance 100 m

### TRANSMITTER

Operating range frequency 433 to 434 MHz / 868 to 870 MHz  
 Channel spacing 25 kHz  
 Modulation FM  
 RF power output 10m W P.R.A.  
 Coding key FFSK  
 Transmitting power consumption  $< 80\text{ mA}$   
 Standby power consumption  $< 800\mu\text{A}$   
 Power requirements Ni-MH battery 7,2 V - 1.500 mAh  
 Operating working time (20 °C/68 °F) 18 hours  
 Operating temperature  $-20\text{ °C}$  to  $70\text{ °C}$  /  $-4\text{ °F}$  to  $158\text{ °F}$   
 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 speed push-buttons type  
 TELEMECANIQUE, and Stop

### BATTERY CHARGER

Power requirements 230Vac (available 110Vac)  
 Dimensions 90x105x65 mm  
 Battery charging time 2,5 hours  
 Temperature charging range  $0\text{ °C}$  to  $40\text{ °C}$   
 Weight 200 g



Compatible with receivers:



### IT3R16

Number of commands 16 (15+Start-Horn) + 2 Stop  
 Relays Resistive load: 5A at 250 Vac or 30 Vdc  
 Power requirements 48Vac / 115Vac / 220 Vac (-20% + 15%)  
 24Vac / 24Vdc (-20% + 15%)  
 Dimensions 290x200x80 mm  
 Security Level Category 4 -SIL3/PLe  
 Protection rating IP65



### IT3R22 (RXV06)

Number of commands 22 (21+Start-Horn) + 2 Stop  
 Relays Resistive load: 8A at 250Vac or 30Vdc  
 Power requirements 48Vac / 115Vac / 220 Vac (-20% + 15%)  
 24Vac / 24Vdc (-20% + 15%)  
 Dimensions 374x274x110 mm  
 Category 4 -SIL3/PLe  
 IP65



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