



## ➤ PAIL - COMPACT AND PRACTICAL

Radio remote control with professional joysticks, safe and easy to manipulate even with work gloves. Available in standard layouts for construction or bridge cranes as well as customised configurations with made to measure panels for all types of control layout. Optional graphic display with up to 15 screens of data and programmable alarms. Extensive range of analogue and serial connections.

## ➤ BRICK - TRUSTWORTHY IN ALL SITUATIONS

Radio remote control with pushbutton transmitter supplied with comfortable shoulder strap. Available in different models with 9 to 12 functions plus Start and Stop. Ergonomic, compact (210x80x40 mm) and lightweight (400 g). Buttons are covered with resistant elastomer of high elasticity. Specially moulded base and anti-slip bars for guaranteed grip. Automatic switch off after 4 minutes of inactivity. Sequential frequency change with flashing led to indicate channel. Standard version includes digital key for maximum reliability.

## ➤ TECHNICAL SPECIFICATIONS

Frequency: 869.700 – 870.000 MHz, 11 channels, 25 KHz  
Frequency: 433.050 – 434.790 MHz, 59 channels, 25 KHz  
Hamming distance code: > 4  
Maximum no. simultaneous on/off command activation: 10  
Commands response time: 45 ms  
Active emergency stop command response time: 45 ms  
Passive emergency command response time: 1 s  
Range of action: 100 m  
Working/storage temperature: -20°C/+70°C  
Emergency Stop: Category 3 PL-D

## ➤ TRANSMITTER UNIT

Modulation: FM Manchester coding  
Radio frequency output power: from 1 to 10 mW  
Oscillator: digital synthesising PLL  
Antenna: integrated  
Power supply: 3.6 Vdc  
Electricity Consumption: 45 mA  
Accumulators: integrated 3x1,2 V - 1800mA  
Operating life: ≈ 35 hours (20°C )  
Operating life after low battery warning: 60 minutes  
Casing made from Nylon IP65

## ➤ RECEIVER UNIT

Radio frequency receiver unit: Single Chip  
Antenna: integrated or external  
Commands relay contacts capacity: 4A 115 Vac.  
Stop relay contacts capacity: 4A 115 Vac.  
Power supply: 12-24 V<sub>DC</sub> 1,0A / 24-48 V<sub>AC</sub>/V<sub>DC</sub> 0,4A  
48-115 V<sub>AC</sub>/V<sub>DC</sub> 0,4A / 230 V<sub>AC</sub> 0,2A  
Watertight Rubybox for external installation: Nylon IP65  
Dimensions: 266x169x89 mm (LxWxD)  
DINbox for inside panel: IP20 mounted on DIN rail  
Dimensions: 158x90x75 mm (LxWxD)



## ➤ RECEIVERS

Receivers are supplied complete with assembly kit and wiring connection strip for quick and easy installation. Models available for all applications: the DINBOX for fixing inside the electrical panel, the watertight RUBYBOX with a protection grade of IP65 for external installation and the EDILBOX specially designed for the construction sector. The receivers store all operational data: working hours, amount of start ups and shut downs, number of lifts and the kind of manoeuvre completed. This can be viewed using the monitor tester accessory.

## ➤ ANTENNAS

The Active2 antenna for external use has an attractive and innovative design. Robust and reliable, it is waterproof and compatible with all applications. Also available are high gain directional antennas: the LogP aerial and the Flat870 panel.



## ➤ UNIVERSAL CHARGING UNIT

The universal charging device has no metal contacts meaning guaranteed safety and reliability. Once switched on the unit rapidly recharges the batteries inside the transmitter. A full recharge only takes 5 hours and just 20 minutes is enough for an entire working day's operation. The system is Patented. Charging works by electromagnetic induction: simply place the transmitter on its base and the batteries inside are recharged automatically by inductive energy transfer. There are no electric contacts or parts that can oxidise or be damaged by moisture, oil or dust. Recharging is controlled by microchip intelligence that regulates the charging process. Once the batteries are completely charged, energy flow stops automatically to avoid overcharging; battery life is extended for up to 5 years. Ecological, economic and practical. No more battery replacement.

## ➤ CONFORMS TO DIRECTIVES

R&TTE (99/05/CE)  
LVD (2006/95/CE)  
Machinery Directive (2006/42/CE)

