



Pail EPS

Radio Remote Control

Remdevice
Radio Control Equipment

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MADE IN ITALY



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Radio remote control designed for the control of hydraulic distributors, composed of a PWM controlled proportional solenoid valve and up to 8 on-off solenoid valves (providing up to 4 bidirectional movements). The EPS radio control is particularly suitable for use on medium and small hydraulic truck-mounted cranes for which a high degree of safety is required at a very competitive price.

➤ USER FRIENDLY

Thanks to the comfortable waist belt and bidirectional single-axis joysticks, after selecting the required command it is possible to operate the lever in either direction using only one hand, leaving the other free to guide the load or for other operations.

➤ ROBUST AND RESILIENT

Radio control with professional joysticks and controls that can be safely operated even using work gloves. Shockproof and anti-abrasion nylon casing, resistant to acids, oils and chemicals, with protection grade IP65 against dust and water.

➤ DITHER

Innovative control system operates at high frequency for a better fluidity and proportionality of the movement, in combination with a low frequency modulation with zero mean value to prevent the effects of static friction of the solenoid.

➤ RECEIVER

Quick and easy to install, the external receiver is watertight, compact and is supplied with accessories and fixing screws. It comes with an integrated internal antenna and self-diagnostic software for detecting faults relating to the solenoid valves.

➤ BATTERY LIFE BEYOND ALL EXPECTATIONS

Transmitter powered by a high capacity long life non rechargeable internal battery with an operating life of over 2,000 continuous working hours, which is far beyond the life expectancy of a traditional battery. The battery is easy to change and is widely available at a reasonable price.

➤ SAFETY ASSURED

Conforms with EN ISO 13849-1:2006 which specifies the design principles for highly reliable equipment. Created specially for use on simple hydraulic machinery, it is possible to individually operate up to 4 bidirectional proportional commands via 8 ON/OFF outputs and one proportional output. Despite its simplicity, the EPS radio control has all the features of a user friendly, robust and reliable safety remote control ideal for controlling hydraulic machinery for materials lifting. As well as truck mounted cranes, it is perfect for many other applications.

➤ REMSYS CODE

If a transmitter is out of action, the patented "REMSYS CODE" system allows its immediate substitution and link up with the same receiver using a simple command sequence.

➤ QUICK AND EASY INSTALLATION

Transmitter
The following operations can easily be carried out on the transmitter:
• Frequency change with the set channel indicated by flashing LED
• Programming the automatic switch-off functions
• Link up substitute transmitter to receiver

Receiver

Compact in size, it allows:
• Easy connection to machinery using a 16-pole plug
• Licence free operation all over the world using the 2.4 GHz frequency bandwidth

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CONFORMS TO DIRECTIVES

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

TECHNICAL DATA

Frequency: 2.410 – 2.478 GHz, 35 channels, 2 MHz
Designed in accordance with EU Regulation EN 300440.
Hamming Distance code: > 4
Commands response time: 40 ms
Stop/Active emergency command response time: 40 ms
Passive emergency command response time: 1 sec.
Performance Level of Safety Functions (EN ISO 13849-1):
• Stop Protection: PL d
• Protection against unintended movements from the standstill position: PL c
Range of action: 30 m (~100 ft) with free path
Working/storage temperature: -20°C to +70°C (-4°F to +158°F)

RECEIVER UNIT

Radio frequency Receiver: Single Chip
Antenna: integrated
Maximum output current for proportional PWM solenoid valve: 1.8 A
Maximum output current for on/off solenoid valve: 1.8 A
Power of stop relay contacts: 4A (DC1/AC1) / 115V
Power supply: 12-24 Vdc - 1 A
EcoBox casing for external fixing:
• Degree of protection: IP65
• Material: PA6 GF V0
• Dimensions: 129 × 178 × 51 mm (L×W×H) 2.08 × 7.01 × 2.01 in

*connecting a diode in parallel with the load, the same current is allowed for category DC13 (inductive load). To comply with category AC15 is recommended to place in parallel connection with the load an appropriate overvoltage damping RC circuit. (Ref. IEC/EN60947)

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TRANSMITTING UNIT

Modulation: FM GFSK
Signal output: up to 0 dBm (1 mW)
Oscillator: Digital PLL
Antenna: Integrated
Power supply: 3.6 Vdc
Power consumption: up to 9 mA
Integrated battery: 3.6 Vdc
Battery life: up to 2000 hours
Low battery warning: ~ 30 hours
Diagnostics: LED Status
Watertight Casing Protection: IP 65, material: PA6 GF
Dimensions: 200 × 135 × 130 mm (L×W×H) 7.87 × 5.31 × 5.12 in
Weight: 600 g (1.32 lb)



Brevini Fluidpower model Aron

The Aron solenoid valve kit by Brevini Fluidpower is composed of 1 proportional lever section and 3 or 4 on-off sections; manual emergency lever control for proportional operation and manual emergency lever control for on-off operation. Aron is a trusted trademark for safety and flexibility. The safety modules are compatible and interchangeable between the different kinds of slide solenoid valves and the standard valve bodies CETOP 3/NG06 as well as stackable valves with thread connections G3/8" or 9/16 – 18UNF (SAE 6). As an "emergency control lever" installed on solenoid valves it can be used as a safety device in conformity with industry standards. Useful in the event of power cuts, the control can be used in agricultural and mobile sectors. The manual action allows periodic maintenance work to be carried out on the mobile components of the machinery in perfectly safe working conditions.



Max operating pressure	dynamic	180 bar
port 1	static	210 bar
Max operating pressure port P		180 bar
for series connection configuration		
Mixing type		C - F - H
Spool type		01 - 02
		04 - 16

