

Radio Proportional Remote Control Set

Radio proportional remote control set is independently developed by Baicai Intelligent Technology applied in **truck cranes, lifts,skid steer loaders and other construction machinery with joysticks**.The remote distance around 50~500m(without any shield).All the main parts imported and equipped with high power module.Compared with other brand the signal is more stable and operation more sensitive.Also set with safety protection system.Simple installation with high safety.



1. Technical data sheet

Universal hydraulic valve proportional remote control	
Working voltage:	DC24V
Power:	60 w
No-load current:	2.0A
Load current:	4.5A
Load speed:	35r/min
Noise:	≤60db
Control mode:	electromagnetic induction Angle sensor
Waterproof grade:	IP67
Working environment temperature:	-40°-- 80°
Maximum static torque of clutch:	26N·M

2. Main Components

Consist of remote control, motor unit, receiving main control box,electric putter and dust cover etc.

1) Remote control



Category: Remote control

Operating voltage: 24V

Battery type: polymer lithium battery

Battery installation: Built-in

Remote control distance: ≤500M

Remote control: potential Angle sensing

Battery capacity:2600 m.A

2) Receiving main control box



Imported chips and electronic components

Equipped with programs developed by Baicai Intelligent Technology.

The control distance is 500 meters.

3)Motor unit



Voltage:DC24v

Stroke ratio:2-4.5cm

Motor speed : 100/s

Max.Torque : 26N.M

4.Electric putter



Journey:50mm

Voltage:DC 24V

Speed:10mm/s

Thrust:750N

3. Advantages

- 1) Simple installation.The motor can be installed in any place within the control area.Non-destructively install, no need to change the structure of the console and the hydraulic valves.Fixed by bolts, and can work smoothly once connected with power.
- 2) All connection wire between the motor and main line are original.Every part is connected by water proof plug. This kind of integrated molding plug, after testing, even bubble into the water for one or two weeks will not enter water, each part can be replaced independently.Very convenient.
- 3) Imported sensor installed in motor and joystick with good stability and high precision and long lifetime.
- 4) Prompt reaction and easy to adjust
- 5) Manual and automatic operation can works at the same time.It can work without affecting manual control.Proportional precision remote control operation, no delay in feedback, and synchronous action same as manual control.
- 6) Multiple security protection.
 - a. Remote control emergency stop.In urgent case just press emergency stop the motor and hydraulic locker will be locked automatically.All operation will be stopped
 - b. Remote control power off and signal cut off protection.During working,if remote control power off or no signal the motor and hydraulic locker will be locked automatically.All operation will be stopped
 - c. If the system test the motor was blocked or over current short cut.The operation will be stopped automatically
- 7) Customize design
- 8) Grantee period:standard one year.Agent can extend for half year



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4.Packing list

- 1)Control remote*1
- 2)Motor unit*1 set
- 3)Receiving main control box *1
- 4)Electric putter *1
- 5)Turn drive lever*1 set
- 6)Operation lever*1 set
- 7)Power charger*1
- 8)On board charger*1
- 9)Dust cover*1
- 10)Wire *1
- 11)Tool bag*1
- 12)Nuts and bolts*1 set

Yantai Baicai reserves the right to change to the product design