

Before using your new PS-01RS5.0, please read this manual thoroughly and use it properly and safely. After reading this manual, store it in a safe place.

Step Down Regulator

### **PS-01RS** 5.0

Instruction Manual

Thank you for purchasing a **PS-01RS5.0** Step Down Regulator.

When you want to use an ordinary 4.8V specifications servo (rudder servo, etc.) with a high-voltage (HV) specifications system that uses a LiFe or LiPo battery, you can step down the servo power to 5V by connecting the **PS-01RS5.0** to the servo.

- For 2.4GHz system only
- When used with other than a rudder servo, use 10.0kgf-cm torque as the standard.

# Usage Precautions

### **∆WARNING**

- Always use the PS-01RS5.0 between receiver (or gyro) and servo.
- Do not use the PS-01RS5.0 between battery and receiver. The receiver may operate erroneously due to insufficient capacity and is very dangerous.

Do not use a Y-harness, etc. at the PS-01RS5.0 to supply power to multiple servos.

- The PS-01RS5.0 can connect to only one servo at a time. However, the rated output current is 1A (momentary maximum 5A).
- Always fix the PS-01RS5.0 securely to the fuselage of the airplane or helicopter.
- If the connector works loose due to vibration and shock, operation will be impossible and there is the danger of a crash.

Do not continue to operate when the servo is locked or the rated output of the PS-01RS5.0 is exceeded.

• A protection circuit will operate and stop the supply of power to the servo. When the protection circuit has operated, remove the cause of the overload and wait about 1 hour before resuming use.

#### **∆CAUTION**

- Do not drop the PS-01RS5.0 or apply shock to the body.
- •The body may be damaged because of its construction.

Futaba Corp. will not be responsible for damages, etc. caused by combination with other than Futaba Corp. products.

## Connection

 Connection to HV compatible receiver or gyro

 Connection to 4.8V specifications servo

Output: 5.0V



Futaba PS-01 RS 5.0

PS-01RS5.0

Input: 6.6V~7.4V (Battery rating)

- [PS-01RS5.0 Ratings]
- Main application:
- 4.8V specifications rudder servos
- Input voltage range: 6.0V~8.5V
- Output voltage: 5.0V
- Rated output current: 1.0A (momentary maximum 5.0A)
- Operating temperature range: -10~+45°C
- •Storage temperature range: -20~+60°C
- Dimensions: 24.2x7.8x8.3mm
- Weight: 5.2g

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