

Step Down Regulator
PS-01RS5.0

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



Input: 6.6V~7.4V (Battery rating)

PS-01RS5.0

Output: 5.0V

[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

