

Dong Yang Servo Power Mode Co.,Ltd

A Manual for DYS-30A,50A Car Modeling Governor

A.Functions & Features

- Power voltage scope:Input voltage 6V~16.8V(2~4Lithium batteries; or 6~12 NiCd / NiHM Cells).
- Working current(30A):Max continuous 30A, instant working current:40A

Working current(50A):Max continuous 40A,working current at 50A can last over 1 minite; instant working current:60A

- Controller, receiver and motor can share the battery (BEC);

Supply 1A current 6V for receiver and SERVO under standard condition.

- **Secure galvanization**

Once galvanization, Startup Not grated if the rocker is not in the threshold position, when the rocker is put in the threshold position, there will be a long beep indicating startup is available.

- **Voltage protection**

If the voltage exceeds the scope once galvanized, the startup will not be granted. And 1 beep alert every 2 seconds comes.

- **Lost remote controlled signal protection**

Motor drive immediately cut off when the signal transmitted between emitter and receiver is bad or instable; alert beep goes and strikes once a second. Normal run continuous when the signal gets recovered.

- **Two-stage temperature protection**

Cool down through limiting power when the temperature reaches the set limit 105°C, if the cooling failed, the main power supply will be cut off immediately and the alert goes with 3 strikes per second. Now, you have to wait the temperature dropping back to normal and galvanize again to resume normal service.

- **High-current protection**

Power supply of motor will be immediately cut off and the alert beeps go with 2 strikes per second when an instant high-current appears. You have to galvanize again to resume the normal service.

- **Halted run protection**

If wheel is locked, the max power output is limited at 30%.

- Auto detective midpoint when power on.When midpoint departure 1.5ms exceed limite 10% will be alerted.

B.Throttle settings

Follow the next guide to deploy threshold point and the max and min settings of throttle.

- a.Pull the rocker at the max pulse width to record the max forward position.
- b.Galvanize the governor or turn on the controller switch.
- c.Wait 6 seconds, there will be a beep to record the max forward Throttle.
- d.Pull the rocker at the min pulse width to record the max backward position.
- e.Wait 1.5 seconds, there will be a beep to record the max backward Throttle.

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f.Pull the rocker to the threshold point.

g.Wait 1.5 seconds, there will be 3 beeps to record the threshold position and enter READY state.

Re-galvanize to have normal startup.

Control

You have to pull the rocker to the threshold position to exit the braking when going forward, and to exit the braking when going forward

Error messag

Normal startup failure by pulling rocker after galvanization with one beep warning per second indicates the controlled signal is lost. If the beep warning comes once every 2 seconds, it means the voltage exceeds rated value.

A sudden low output power limit in the run indicates the temperature protection or battery protection is on.

A sudden cease of the output power in the run indicates the instant High-current protection or battery protection, or temperature protection is

4、 Install

Receiver connect to 3 pins plated lead, eg:

Ground.....Brown

5V Power.....Red

Signal.....Orange

Power connection Ground(-).....black

Power connection Positive(+).red

Motor connection ablack

Motor connection b blue

Motor connection c red

