

FR-3G

FE-3B

The only new mechanism
in the world
Single-channel Servo

Engine Control Servo

MANUAL

Features for Model FR-3G

- (1) For control of the engine, the third operation is stably worked by pushing the push-button of the transmitter with the palm of the hand. The control does not give any effect to the attitude of flight except that the rudder moves slightly. The rudder, however, returns quickly to neutral.
- (2) Providing both a subminiature motor with low current and precision gear, the servo is designed to be produced in miniature and lightweight and high precision standards. The reliable operation during long time has been proven due to the rigid mechanical control.
- (3) Possible to be placed in an optional position or/and direction for easy mounting. Also available for the rudder and engine control.
- (4) Torque is powerful and the operation time is quick.

- A. Don't confuse the positive with the negative of batteries.
- B. Wipe the printed board with alcohol. In this case, take care not to touch the brush.
- C. Take care to avoid staining the printed board with oil especially by limiting oil in the necessary quantity.
- D. The mounting should be tightly pressed so that the rubber bush will be slightly crushed.
- E. Don't take the mechanism to pieces.

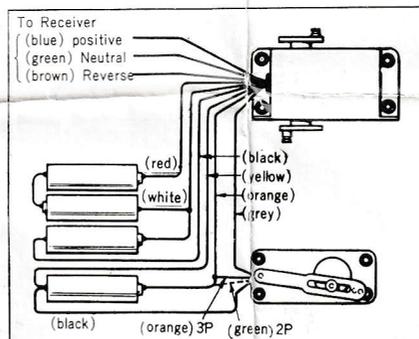
Power source UM-3×3
3 volts + 1.5 volts

Operating type 3PN

Operating current 120mA at average

Weight approx. 62 g

Dimensions 25×30×67mm



Power ampere 100-110 mA at average

Type Engine control servo for 2- and 3-speeds.

Weight approx. 45 g

Dimensions 23×40×40mm

Accessories Mounting board, Push-rod use, Plate Mounting screws and the like

Features for Model FE-3B

- (1) Reliable operation has been proven due to the proper mechanism and strictly selected parts. And the cost is also reduced.
- (2) The unique design to be mounted in any condition horizontal or vertical makes possible to widen its applications.
- (3) The rod perfectly moves back and forth by using accessories parts, thus ensuring that the mounting is simplified.
- (4) By changing the connection of both orange and green leads, the speed is possible to be changed into 2- or 3-speeds.
- (5) The servo is also available for the large type R/C device, because its torque is very powerful even it is miniature and lightweight.
- (6) The servo is also used in combined with any single channel servo for rudder.
- (7) The servo is also capable of combining with multi-channel device. In this case, it can operate for one channel.

- A. Don't confuse the positive with the negative of batteries.
- B. Without any cause, don't take the mechanism to pieces. Especially take care not to touch the brush.
- C. Slightly wipe the printed board with alcohol once half a year.
- D. The mounting should be done so that the rubber bush will be slightly crushed.

FUTABA DENSHI KOGYO CO., LTD

FACTORY FOR RADIO CONTROL
59 Hayano Shinden Mohara-shi, Chiba

Tokyo Branch Radio control department
1 Soto Kanda 5-chome, Chiyoda-ku, Tokyo