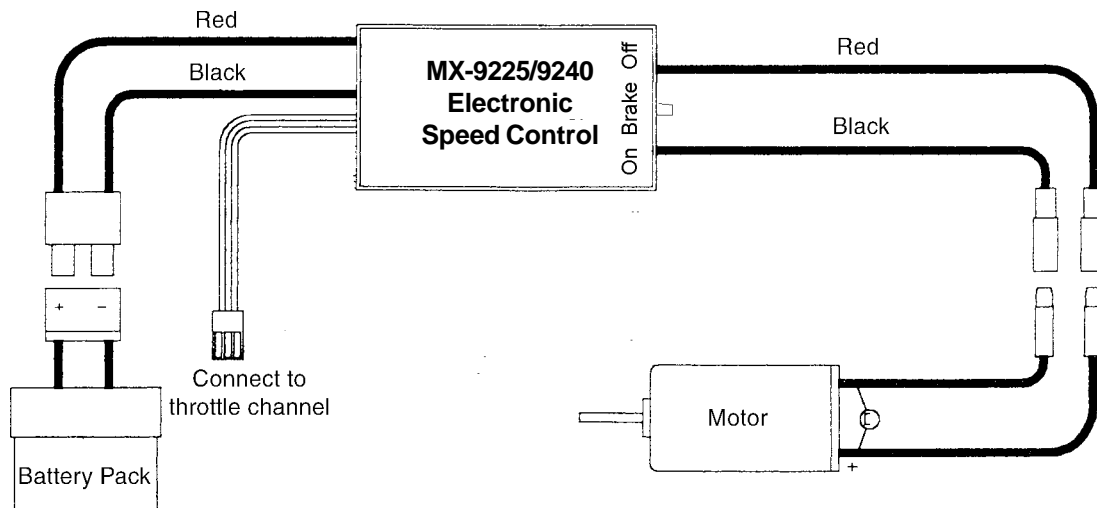


MPI MX-9225/9240 Electronic Speed Control



KEY FEATURES:

- Compact light weight design for high current operation with very low internal resistance,
- All digital design for best reliability
- BEC function to power receiver and servos,
- Auto motor cutoff to maintain radio power when voltage is low,
- Selectable brake to assist folding propeller to retract,
- Safety feature to prevent accidental motor start up,
- Over-temperature and over current shut down to prevent failure if overloaded,
- FET gate driver for high efficiency at any voltage,

SPECIFICATIONS:

- Voltage Range: 6 V to 15 V (6 to 12 cell NiCd/NiMH)
- Current: MX-9225 25A continuous, 50A max, MX-9240 40A continuous, 80A max
- Weight: 21g(0.75 oz.) wires included
- Dimensions: 36 mm x 17.5 mm x 9 mm

SAFETY:

- DO NOT install propeller during initial installation,
- The connector on the speed control will work with Futaba J, JR, Hitec, and Airtronics Z systems. For other systems, such as old Sanwa/Airtronics systems, please verify the polarity before connecting. Reverse polarity will damage the receiver and the unit.
- Do not submerge the unit in water or any other liquid such as fuel or detergent.
- When using BEC to power radio, once the motor is shut off by the speed control, start landing immediately. The battery pack will be virtually empty at this point and can't supply power to the radio for an extended period of time.

SET UP & INSTALLATION:

1. Plug the receiver connector into the throttle channel of the receiver. When using 6-8 cell packs, the BEC circuitry can provide power to receiver and maximum 4 servos. With 9-10 cell packs the BEC circuit can power up to 3 servos, and up to 2 servos with 11 or 12 cell packs. The BEC circuitry must be disabled when used out of this range. To disable the BEC remove the center (red) pin of the connector and use a separate RX pack.
2. Turn on your radio transmitter, set the throttle stick to "off" position. Connect the power pack to the speed control. Make sure the polarity is correct. Before the motor is allowed to start the speed control must be armed. Push the stick to full throttle and quickly return it to off. Wait three seconds. The speed control is now armed and advancing the throttle stick will start the motor. If there is no response, reverse the throttle channel and try again.
3. If the motor doesn't rotate in the desired direction, reverse the polarity to the motor.
4. If a folding propeller is being used the brake must be set to ON. The switch is located near the word "brake" on the label of the speed control. Set the switch position to the desired brake function.
5. Set up is complete. The controller will need to be armed every time a new battery is connected.
6. Make arrangements for cooling the speed control in the model. Keep the label side of the speed control exposed to the airflow.

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