



Separately Excited Electronic Motor Speed Controller Model 1510

The Model 1510 Motor Speed Controller is a Customer Specific SepEx Controller designed for use in two-passenger golf cars.



The Model 1510 provides the proven reliability of SepEx Motor Speed control with a powerful 8-bit microprocessor which affords a flexible software-based control system.

The Model 1510 is fully programmable with the Curtis Handheld Programmer to match individual throttle and separately excited motor characteristics.

Vehicle top speed is programmable and regulated by a speed sensor, which can be variable reluctance or Hall-effect type. Hill climbing performance may be optimized within the motor's capability by changing field excitation function.

WalkAway™ braking function monitors vehicle motion at all times after vehicle is stopped and throttle is released, in neutral or when Key Switch is off. Plug Braking acts to slow any rolling to a very low speed.

Programmable to match individual throttle and separately excited motor characteristics using Curtis Handheld Programmers.

Fault detection circuitry continually monitors hardware and software operation to assure safe, reliable vehicle operation.

Overspeed braking limits vehicle downhill speed to near drive top speed. Regenerative braking reverts to plug braking in response to a high battery state of charge logic input to prevent runaway speeds.