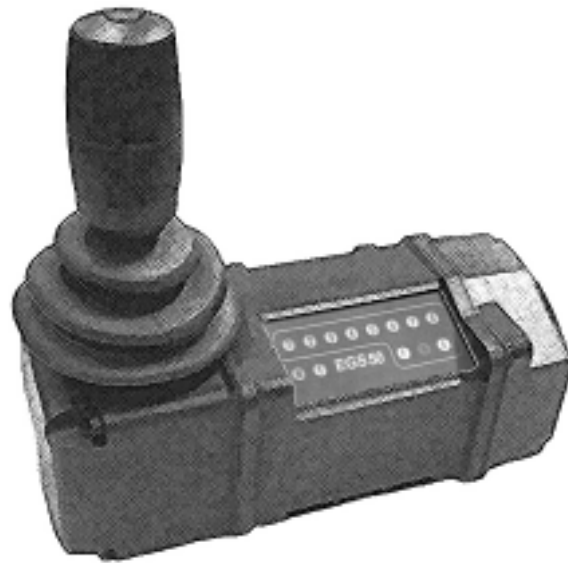


# Transmission Controller Systems Model APC50/EGS50



***SPICER OFF-HIGHWAY PRODUCTS***



# APC50 / EGS50 TRANSMISSION CONTROLLER SYSTEMS

The **APC50** and **EGS50** are the workhorses of the Spicer® transmission controllers. Serving primarily as a drivetrain protection system, either of these systems can effectively increase the life of all drivetrain components

The **EGS50** is a stand-alone intelligent shift lever with built-in diagnostic display. It is available in two models:

- \*Bump type (side mounted)
- \*Grip type (steering column mounted).

The **APC50** transmission controller is capable of receiving signals from most standard industrial shift levers. It has a built-in display showing either the vehicle speed or the selected direction and range. In case of shift control circuit problems, a diagnostics mode can be used for trouble-shooting.

When a vehicle speed signal is provided, the **EGS50** or **APC50** controllers can provide effective downshift and direction reversal protection. The appropriate control logic to be used in any case is dependent upon the specific needs of the application.

As an option, this family of controllers can support automatic shifting of the transmission. Shift points can be optimised using a user-friendly, PC-based parameter editor, and can be permanently saved in the controller's memory. The optimised vehicle specific parameter-sets can be established and maintained on a remote PC for later use and/or end of production line customisation of the control system.

The **APC50 / EGS50** controllers can be used to provide drivetrain system protection for all non-ECM Spicer® powershift transmissions.

## Controller Systems Capabilities Matrix

Function / Feature	EGS50	APC50	EGS70	APC70	APC160	APC200
Drive Train Protection	✓	✓	✓	✓	✓	✓
Speed Sensed Automatic Shift	✓	✓	✓	✓	✓	✓
Load Sensed Automatic Shift			✓	✓	✓	✓
Electronically Controlled Clutches			✓	✓		✓
Electronic Inching						✓
Hydrostatic Pump & Motor Control				✓	✓	✓
Electronically Controlled Braking					✓	✓
Engine Servo Control					✓	✓
Seering Axle Control		✓			✓	✓
Diagnostics	✓	✓	✓	✓	✓	✓
End-User Parameter Tuning	✓	✓	✓	✓	✓	✓
Integrated Shift Lever	✓		✓			
Display	8 LED	2 Digit	8 LED	2 Digit	4 Digit	4 Digit
Analog Control			✓	✓	✓	✓
CAN Network Integration			2.0A	2.0A	2.0B	2.0B
ASAE J/1939 Compliant					✓	✓
Sealing	IP66	IP65	IP66	IP65/66	IP66	IP66

### APPLICATION POLICY

Capability ratings, features and specifications vary depending upon the model type of service. Application approvals must be obtained from Spicer Off-Highway Products Division. We reserve the right to change or modify our product specifications, configurations, or dimensions at any time without notice.



**SPICER OFF-HIGHWAY PRODUCTS DIVISION**

**1293 Glenway Drive**

**Statesville, NC 28625**

**Tel: 704-878-2811 Fax: 704-878-5616**