Automatic Transmission Controller

A revolution in automatic transmission control

Proudly Introduced by

PCS
Powertrain Control Solutions

www.TransmissionController.com
Engineered for the harsh automotive environment, the case employs gaskets for weather sealing. All components are rated for 125°C (257°F). Gold contacts provide excellent long term durability and the highest current capability available. Nylon 6/6 plastic case ends offer unmatched durability and simplicity. Even the PCS logo uses the toughest VHB adhesive and its sub-surface print will not be affected by surface scratches or damage. Every unit is manufactured at an ISO 9001 facility, rigorously tested and inspected to meet the highest quality standards. Quality and reliability are our first priority.

### Universal Automatic Transmission Controller

#### Electronic Control
- Shift points
- Shift firmness
- TCC lockup
- Shift Speed

#### Features
- Button Shifting
- Multiple Shift Modes
- Dual Calibrations (real time switchable)
- Auxiliary Inputs
- Auxiliary Outputs
- Powerful Datalogging
- Easy to use Software
- Real Time Tuning
- Real Time Dash
- Self Diagnostics
- Durable Sealed Case

#### Universal Architecture
Our customizable software allows the user to define input and output functions after wiring is complete. This simplifies installation and eliminates most wiring errors. In addition, complete wiring harnesses are available for many common applications. Custom wiring harnesses are available for any application.

The Powertrain Control Solutions Automatic Transmission Controller is a fully programmable transmission control system. Through a friendly PC Windows interface users are able to program transmission settings based on speed, engine load, engine speed and many other parameters. This powerful unit allows users to control every type of electronic automatic transmission from Ford, Nissan, GM, Toyota, Chrysler and most other manufacturers. If you are wondering whether our product will control your transmission, the answer is yes.

### Powertrain Control Solutions
Powertrain Control Solutions proudly announces the first universal automatic transmission controller. Our aftermarket electronic controller allows full control through PC programmability for any modern electronic automatic transmission.
An intuitive and familiar windows style interface provides a simple but powerful set of controls to program transmission functions. User preferences are also accommodated by a concurrent menu and explorer style of navigation, concurrent tabular and graphical tuning, a customizable toolbar, and a dockable explorer bar. Real time tuning gives the user immediate control and results over transmission parameters. A monitor screen and background datalogging assist in speeding the tuning process. Microsoft Excel® file exporting allows advanced data analysis. Base settings are provided for common transmissions and most transmissions require very little tuning. Programmable filtering, diagnostics and full programmability of inputs & outputs allow for complete flexibility in the automotive environment. Compatibility with Windows® 95/98/ME/NT/2000/XP ensures usability on almost any computer.
## Transmission Controller Specifications

### General
- **Microcontroller**: 25 MHz
- **Manufactured at ISO9001 Facility**: √
- **Warranty (parts and labor)**: 1 Year
- **Factory Tested and Burned In**: √
- **In-Field Flash Upgradeable**: √
- **Weather Sealed Case**: √
- **High EMI Immunity**: √
- **Weatherproof Connector**: √
- **Small Case (5.9x4.15x1.75in)**: √
- **Low Weight**: 1.2lbs
- **Gold Contacts**: √

### Operating Conditions
- **Temperature Range**: -40 to 105°C
- **Operating Voltage**: 8 to 27 Volts
- **Operating Current (Controller Only)**: 0.5amp MAX
- **Reverse Battery Protection**: √
- **Transient Voltage Protection**: √

### Communication
- **CAN 2.0b**: √
- **RS-232**: √

### Outputs
- **6 Digital**: √
- **6 PWM (also programmable as digital)**: √
- **User Selectable Output Type (+12v or Gnd)**: √
- **Maximum Current**: 3.5 amp
- **Short Circuit Protection on each Output**: √
- **Overcurrent Protection with Shutdown**: √
- **Thermal Protection**: √
- **Definable Output Type/Parameter**: √

### Inputs
- **16 Digital (active high or low)**: √
- **4 Frequency (rpm, wheel speed, vehicle speed, torque converter speed, etc)**: √
- **Programmable Trigger Levels and Filtering**: √
- **6 Programmable Analog**: √
- **2 Temperature**: √
- **Programmable Input Parameters (map, maf, throttle, coolant, oil temp, voltage trim, etc)**: √
- **10 bit Resolution**: √
- **Failure Diagnostics for each Input**: √
- **Overvoltage Protection for each Input**: √

### Website & Contact Information
Visit our website for online ordering, additional product information, product support, full product documentation, software, web forum, secure dealer forum and dynamic content.

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