

# Pro Electric News

## Smart Wiring System

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Issue #002

## How is the smart wiring system installed?

**Installation:** Less under dash wiring makes the install job more enjoyable. Because power is distributed close to the accessories being powered, the installer no longer needs to work with long runs of large gauge wires under the dash.

**Control Module:** The installer no longer has to route current through a switch to power an accessory. With the Pro Electric one side of the switch is grounded, most of the time common, and the normally open pole is connected to a controller sense wire. When the switch is closed the controller senses a ground and sends a data packet out on the two-wire bus which is then decoded by the output modules and the selected accessory is activated. For example, ground the control wire labeled "Brake Lights" and the brake lights illuminate.

**Output Modules:** Power is distributed from the output modules to accessories from locally mounted output modules. Fuses are not used at all because the solid state design monitors the current. Simply connect the accessory, and the job is finished. If a short occurs the circuit opens immediately.

## Mechanical

**Custom extruded enclosure is made to fit, not an off-the-shelf piece.** The metal extrusion is made of 6063 series aluminum and is CNC machined for precision. The enclosure is then nickel dipped and chrome plated for protection from the elements, and the electronics are sealed with a high grade thermal epoxy that protects them from vibration and the elements.

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## News & Updates

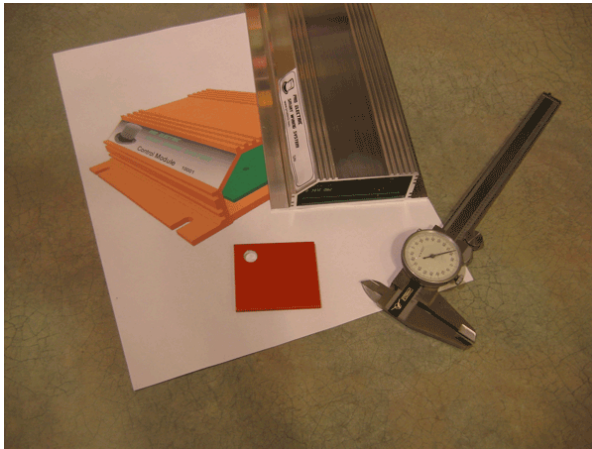
### May 30, 2009

Pro Electric has a signature enclosure with two areas for logos and branding: one on the side corner for Pro Electric information and one directly on top for co-branding.

### June 15, 2009

The enclosures for the initial production units (IPUs) arrived for inspection.

These units are the production units and will be focused on two types of cars: the "T"-Bucket/Cobra and the Pony car series.



## The Install

### Ease of install

There are no huge cable bundles to pull through a firewall. The Pro Electric 2 wire data bus is simple to install. No relays or flasher cans- install and play means no code to install or configure.

Visit our web site for more details

## Co-Branding

**What is Co-Branding?** Co-Branding is an opportunity for the installer to get his name and message out there. The Pro Electric units can be tailored to a particular model vehicle. A builder can have units coded specifically for him and has the opportunity to have his own label on those units. There is a blank area on top of each enclosure for a customer's label.

<http://www.electronicprototypes.com/ProElecII.html>



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