# State of the Art Race Car Wiring Products





# AutoRod Corporation Master Catalog

The Leader in Racing Electrical Sysytems

732.851.5095

www.autorod.net

2 I Le Valley Dr., Englishtown, NJ 07726







John Zizza and his son Jason 1988 street rod nationals Louisville Kentucky in 1988

On December 31, 2021, Racing lost one of its true innovators. John Zizza started Auto Rod Controls in 1978 and since that day Auto Rod Controls has been continually designing and manufacturing the finest race car electrical systems on the market. John followed a simple principle for Auto Rod Controls. **Build a quality system that has what racers need and stand behind it for life**. This is what ARC has been doing since 1979.

On May 1st 2022 Auto Rod Controls was taken over by Rich Concato. Auto Rod Controls became the AutoRod Corporation. We will follow the same principals that have guided ARC since 1979 and continue to bring the highest quality products to market that fit the needs of racers and stand behind them.

Rich Concato has been a racer for nearly 30 years, as well as owning a very successful Race Car Wiring business, Concato Racing Custom Wiring for nearly 20 years. Rich has wired nearly 250 race cars since starting Concato Racing. He has been wiring race cars using ARC products almost exclusively.

It is this relationship with John Zizza and ARC that brought about taking it over after John's passing.

While John is no longer with us, not a day goes by in which his name is not mentioned in the shop. AutoRod Corporation will work tirelessly to maintain the vision that John Zizza had for ARC. We would like to thank the 25,000 plus customers who have been using ARC products and we look forward to serving you for years to come!

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Robbie Gregory's - Pro Street 55 Chevy Belair Featuring - 6001ZR-WH-ECU, SIM-8, TSM-1

In 1978 ARC saw a need and developed the first race car electrical control. The result was such an advancement in car electrics it was granted the first US Patent for its utilization of high current printed circuitry in automotive power distribution. Later it received a

"Best New Performance Product Award" at SEMA 1982.

### **ARC Developed the First:**

- Modular Race Car Electrical System
- The First Nitrous Time Delay
- Digital Display Transbrake Time Display
- Flat Touch Control Panels

- Credit Card Ignition Control
- Nitrous Electrical Control Panel
- High Current Printed Circuit Fusing and Relay **Switching Modules**

**Sales:** 732.851.5095 **Tech:** 774.417.6542

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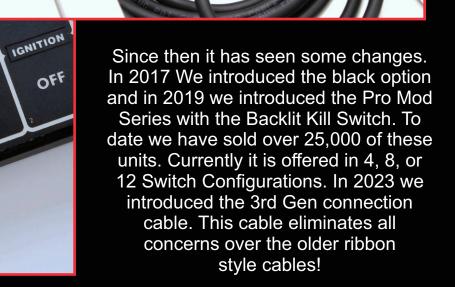


ON

STARTER

OFF

The Flat Touch
Series was
introduced in 2005
as the
Forever Electrics



ON

ON

ON

OFF



## The ARC - 6001Z Series



The ARC-6001Z is our latest Control Module. This system is the last system designed by John Zizza before his passing. This system is packed with new features that make it stand head and shoulders above any other system on the market!

This system is designed for both Open Cockpit and Door Cars. This unit is no larger that our 8000 systems but incorporates the Kill switch. This is accomplished through ARC's exclusive dual function Flat Touch switches. One switch controls the Water Pump and Fan. Hit the switch once it turns on the Water Pump, hit it again to turn the Fan on as well. Both are on individual relays and fuses for protection.

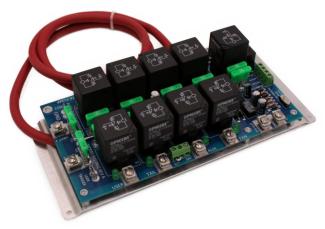
The dual function switch is also used for the Tail Light Circuit. One hit turns on Tail Light, a second hit shuts off Tail Lights and turns on Interior Lighst built into the case. See below for a complete list of 6001Z features.

## **Features Include:**

- 40 AMP Replaceable Relays
- Separate Fuses for Each Circuit
- Super Bright LED for Open Cockpit Cars
- 6 Second Computer Shutoff Delay
- Dedicated Computer Circuit
- Automatic Low Oil Pressure Shutdown
- Built in Neutral Safety Circuit
- Built in Bump Start Button Circuit
- Built in LED Interior Lights
- Output LED's for Every Circuit on the Relay Board
- Extra Ground Activated Relay for Any Use
- Printed & Colored Wire for Every Circuit
- 1-5/8" Diameter Backlit Kill Button for Ultimate Safety
- 2 Auxiliary Fused Power Takeoffs
- · Most Compact Requiring Less Space Than any Other System
- Available in Panel Mount or Roll bar Mount
- ARC Reliability & LIFETIME WARRANTY
- Switch Panel Measures 8-3/4" L x 3-1/4" W x 1" H
- Relay Board Measures 7-3/4" L x 4-1/8" W x 2-1/4" H

#### Part Numbers:

6001ZD - Dash Mount 6001ZR - Roll Bar Mount



The All New ARC 6001RGZ Relay Board

### Flat Touch Control Modules



Forever Electrics/Flat Touch; simply put, any of the products listed in this section come with a complete 100% warranty – **Forever!** That's it – as long as you own this product we will support, replace or repair any problems. You might ask how we can make this lifetime offer? Again, simple answer, our products are manufactured utilizing a strict quality control protocol that requires every unit we produce be thoroughly bench tested for quality prior to shipping. Also, every unit we manufacture is constructed utilizing the highest quality components available.

Some components having an actual tested life cycle of one billion operations.

**4000D** - In Dash 4000R - Overhead

#### Part Numbers **8000D** - In Dash 8000R - Overhead

**12000D** - In Dash 12000R - Overhead

#### Model 12000



13" L x 2-3/8" H x 3/4" D

#### **Universal Flat Touch Features**

- 11/16" Thick front to back
- LED light bars Red off Green on
- Library of 58 race & street labels to back light over light bars
- Duplicate words in white to place on relays
- Ability to make any switch location be on/off or push action momentary
- Master kill switch turning off any none or all of the switches at the same time for ultimate safety
- No dash cutting, units Velcro mount to dash. For new flush mount brackets go to accessories
- No bundle of wires coming down the roll bar
- Accepts a firewall keypad which allows you to run the first 4 switches from under the hood
- Cable connector retaining brackets
- The only systems to carry a lifetime warranty
- New-Weatherproof switch panels and relay boards are completely sealed (they'll float) for open cockpit cars. For new weather tight units add -w to the part number
- Each unit ships with a wiring harness, label kit, and connector kit





8-5/8" L x 2/3/8" H x 3/4" D

#### Model 4000



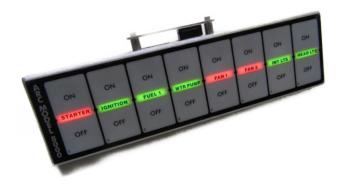
4-7/8" L x 2-3/8" H x 3/4" D



#### Flat Touch Control Modules



#### Model 8000 Illuminated



Frosted LED lighting does not have the nightime glare of pilot lights and lighted rockers. All Flat Touch Units use a Custom 10 Pin Cable to connect the Relay Board to the Switch Panel. This eliminates having to run 8-10 wires all the way to the switch panel.

#### Firewall Keypad Model 4000F4 & F8 & F12



Firewall Keypad Velcros to the firewall plugging into the blue connector on your switch panel and operates the first 4 switches from under the hood Sealed to be weatherproof.

Part # 4000F4 - mates with Model 4000
Part # 4000F8 - mates with Model 8000
Part # 4000F12 - mates with Model 12000
Part # 4003F4 - mates with Model 4000 (Carbon Finish)
Part # 4003F8 - mates with Model 8000 (Carbon Finish)
Part # 4003F12 - mates with Model 12000 (Carbon Finish)





Visit YouTube.com to watch video Search "ARC Flat Touch" or visit autorod.net/videos



Programming switches for on/off or momentary and master kill operation. These programming switches can be found on all Flat Touch Models with the exception of the new 6001Z.



Wendy Caliendo's NHRA Stock Eliminator Firebird Featuring an ARC 8001RPM



## **Black Flat Touch Systems**

#### **Available Models**

**4001D** - In Dash **4001R** - Overhead

**8001D** - In Dash **8001R** - Overhead

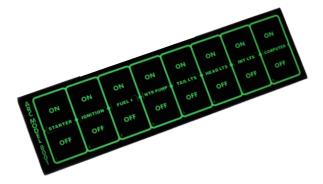
**12001D** - In Dash **12001R** - Overhead

These units function exactly as previously described in flat touch unit operations. The differences being, only the switch lettering is illuminated and the front is now equipped with night glow, automatically increasing brightness at night to maintain readability even in total darkness.

By reducing light in the car, night vision at the track improves.



Appearence in Daytime



Appearence in Darkness Self-Activating Night Glow

#### Actual in Console Installation of Model 8001 and Model 4001

8001 and 4001 Flat Touch units in a console installation using ARC's flush mount brackets (day time and night time photo).



These units are installed using ARC's flush mount dash brackets. They allow for the units to be mounted extending only 1/16th of an inch forward of the dash panel. This photo was taken in the day time.



This is the same installation shown with battery power turned on and the unit's night glow feature activated. The front of the panel legend stores light and gives off the energy in the dark. The same way a battery charges and discharges.



#### **4001D** - In Dash **4001R** - Overhead

#### Part Numbers

**8001D** - In Dash **8001R** - Overhead

**12001D** - In Dash **12001R** - Overhead

#### Model 12001

13" L x 2-3/8" H x 3/4" D

#### **Universal Flat Touch Features**

- 11/16" Thick front to back
- LED light bars Red off Green on
- Library of 58 race & street labels to back light over light bars
- Duplicate words in white to place on relays
- Ability to make any switch location be on/off or push action momentary
- Master kill switch turning off any, none or all of the switches at the same time for ultimate safety
- No dash cutting, units Velcro mount to dash. For new flush mount brackets go to accessories
- No bundle of wires coming down the roll bar
- Accepts a firewall keypad which allows you to run the first 4 switches from under the hood
- Cable connector retaining brackets
- The only systems to carry a lifetime warranty
- New-Weatherproof switch panels and relay boards are completely sealed (they'll float) for open cockpit cars.

For new weather tight units add -w to the part number

Each unit ships with a wiring harness, label kit, and connector kit

#### Model 8001



8-5/8" L x 2/3/8" H x 3/4" D

#### Model 4001



4-7/8" L x 2-3/8" H x 3/4" D









## Flat Touch - Carbon

#### **Available Models**

**4003D** - In Dash **4003R** - Overhead **4004D** - In Dash **4004R** - Overhead

8003D - In Dash 8003R - Overhead 8004D - In Dash 8004R - Overhead 12003D - In Dash 12003R - Overhead 12004D - In Dash 12004R - Overhead

These units function exactly as previously described in flat touch unit operations. The differences being, these switch panels are Hydrodipped to simulate a Carbon Fiber Finish. The "xxx3" series is a Carbon Fiber Case with a White Faceplate. The "xxx4" series is a Carbon Fiber Case with a Black Faceplate. The Black units also have our exclusive "NightGlow" feature.



4003, 8003, and 12003 Flat Touch Units



4004, 8004, and 12004 Flat Touch Units

**Tech Tip:** If you upgrade to a 16V Battery don't forget to move the 12/16 Volt Jumper on our relay board. Also, keep in mind that an accessory on 16 Volts will draw roughly 30-40% more Amperage than it would running on 12 Volts. This can be important information when you convert as you may need to address your alternator if you run one. Check out our Web Site for a comparison sheet! **www.autorod.net** 





Todd Logan's NHRA Competition Eliminator A/EA Bantam Featuring 2 - ARC 4001D's



#### Switch Panels Available Seperately

Updating your Race car? Just want a new look? We offer replacement switch panels for all of our units. These are "Plug and Play" with any of our Relay Boards. If you want a Carbon Panel all you need to purchase is a Carbon parts number that matches the number of switches you have (4, 8, or 12) and you are ready to go!



4000SD - In Dash - Grey Case, White Face Plate

4000SR - Overhead - Grey Case, White Face Plate

4001SD - In Dash - Black Case, Black Face Plate

4001SR - Overhead - Black Case, Black Face Plate

4003SD - In Dash - Carbon Case, White Face Plate

4003SR - Overhead - Carbon Case, White Face Plate

4004SD - In Dash - Carbon Case, Black Face Plate

4004SR - Overhead - Carbon Case, Black Face Plate



8000SD - In Dash - Grey Case, White Face Plate

8000SR - Overhead - Grey Case, White Face Plate

8001SD - In Dash - Black Case, Black Face Plate

8001SR - Overhead - Black Case, Black Face Plate

8003SD - In Dash - Carbon Case, White Face Plate

8003SR - Overhead - Carbon Case, White Face Plate

8004SD - In Dash - Carbon Case, Black Face Plate

8004SR - Overhead - Carbon Case, Black Face Plate

You can also replace your 4000, 4001, 4003, or 4004 with a Pro Mod Panel with a backlit "Kill" Switch. The same applies to the 8000 and 12000 Units. These too are Plug and Play with no rewiring to do!



12000SD - In Dash - Gray Case, White Face Plate

12000SR - Overhead - Gray Case, White Face Plate

12001SD - In Dash - Black Case, Black Face Plate

12001SR - Overhead - Black Case, Black Face Plate

12003SD - In Dash - Carbon Case, White Face Plate

12003SR - Overhead - Carbon Case, White Face Plate

12004SD - In Dash - Carbon Case, Black Face Plate

12004SR - Overhead - Carbon Case, Black Face Plate

#### Pro Mod Style Switch Panels Only



4001SD-PM - In Dash - Black Case, Black Face Plate

4001SR-PM - Overhead - Black Case, Black Face Plate

4004SD-PM - In Dash - Carbon Case, Black Face Plate

4004SR-PM - Overhead - Carbon Case, Black Face Plate

8001SD-PM - In Dash - Black Case, Black Face Plate

8001SR-PM - Overhead - Black Case, Black Face Plate

8004SD-PM - In Dash - Carbon Case, Black Face Plate

8004SR-PM - Overhead - Carbon Case, Black Face Plate

12001SD-PM - In Dash - Black Case, Black Face Plate

12001SR-PM - Overhead - Black Case, Black Face Plate

12004SD-PM - In Dash - Carbon Case, Black Face Plate

12004SR-PM - Overhead - Carbon Case, Black Face Plate



## Flat Touch Systems with Low Oil Pressure Shutdown



8001RP Relay Board



8000DP - White front in dash unit

8000RP - White front roll bar unit

8001DP - Black front in dash unit

8001RP - White front in dash unit

WWW.AUTOROD.NET

**8003DP** - White front in dash unit (Carbon Case)

**8003RP** - White front roll bar unit (Carbon Case)

**8004DP** - Black front in dash unit (Carbon Case)

**8004RP** - Black front roll bar unit (Carbon Case)



12001RP Flat Touch with Oil Pressure Control

#### **Available Models**

12000DP - White front in dash unit

12000RP - White front roll bar unit

12001DP - Black front in dash unit

12001RP - Black front roll bar unit

12003DP - White front in dash unit (Carbon Case)

12003RP - White front roll bar unit (Carbon Case)

**12004DP** - Black front in dash unit (Carbon Case)

**12004RP** - Black front roll bar unit (Carbon Case)

**Sales:** 732.851.5095 **Tech:** 774.417.6542

This new system allows starting the engine by temporarily bypassing the oil pressure shutdown feature. When the engine starts it monitors the required low oil pressure. It waits and if minimum oil pressure is not reached safely it will shut engine off. If the pressure is correct the engine will continue to run through the oil pressure switch closure. This overrides the ignition switch on power enabling it to shut the engine off with the ignition switch still on. The ignition switch simultaneously also retains the ability to shut the engine off. With this control the oil pressure switch never switches any high currents which assures its longevity while still maintaining a 40 amp capacity ignition circuit.

Our units manual override switch is provided to bypass and/or test the engine oil pressure switch. By automatically monitoring the startup oil pressure rise it is unnecessary to crank the motor excessively with the ignition off in an attempt to obtain enough oil pressure to close the switch and allow the car to start. This procedure only drains the battery, overheats the starter and tends to flood the motor and wash the rings.

The unit works with any two pin normally open contact oil pressure switch.





#### Pro Mod Flat Touch Systems with Backlit Kill Switch



Pro Mod Flat Touch Controls Available in 4, 8, or 12 Switch Configurations

4001RPM - Roll bar unit 4001DPM - In dash unit 4004RPM - Roll bar unit 4004DPM - In dash unit 8001RPM - Roll bar unit 8001DPM - In dash unit 8004RPM - Roll bar unit 8004DPM - In dash unit

12001RPM - Roll bar unit 12004RPM - Roll bar unit







#### Only available in Black & Black Carbon

This new Pro Mod style system can also be used in other types of cars. This system addresses specific needs of pro mod racers! The two major innovations in this unit are the Translucent Red Lighted system kill switch and the ability to maintain separation between the car's 12 or 16 volt battery and the 24 volt start battery. The kill switch is 1-5/8" in diameter and only requires 1/32" travel to activate and automatically resets.

This is the first system that allows the car to use a 24-volt external starter battery with NO wiring alterations. Other systems require an external relay be added to separate the 24-volt battery from the 12 or 16 volt side of the car. Without this the 24-volt battery source will back feed through the car potentially damaging components or at the very least blow fuses or burn up relays. Our design separates the 12 and 24 volt side permanently, so they can never couple together.

## Rocker Switch Systems



#### **Model PS8**



7-3/8" L x 1-7/8" H x 1-5/8" D

#### **Model PS8**

Showing back lit switch labels



Power Sticks got their name from the fact that their cross section area is so small that your thumb and for finger will touch when your hand wraps around the unit.



## Power Sticks Switch Orientation from left to right

- Starter Switch
- Ignition Switch
- Fuel Pump Switch
- Second fuel pump or accessory switch. By selecting one of two different fuse insertion locations this switch will either draw its power directly from 12V or through the ignition switch
- An accessory switch for any function
- An accessory switch which also activates the "night glow" feature in the unit. Although intended for the operation of dash and taillights it may be used for any function. Te PS8 has two additional accessory switches
- Units are furnished with wiring
- Mounts to dash or roll bar
- Comes with spare switch. Unique split case design makes switch replacement possible in 2-3 minute
- Easiest to install



Rich Nye's NMCA NA/10.5 Mustang Featuring an ARC 8001RPM-P

## Rocker Switch Systems



#### PRO STOCK CONTROLS

Overhead and Dash units have the same functions

#### **Starter Switch**

Recessed to prevent accidental striking. It is mounted nearest the driver and next to the ignition switch for ease of operation.

#### **Ignition Switch**

This switch interlocks to the fuel pump controls shutting the pumps off when ignition is killed. The switch is lighted red when on to aid in night racing.

#### **Fuel Pump Switches**

Off in the center position, on in the up position. They are safety interlocked with the ignition switch. The down position is a spring return marked "test" which bypasses the ignition interlock for the purposes of filling the carburetors, setting pressure regulators, and float levels or individually checking pump outputs. Dual switching also allows the use of only one pump in the non-race running conditions saving the batteries. The 2nd switch can also be used for any other function.

#### **Cooling Switch**

Designed to operate an electric water pump in the "low cool" position and both an electric water pump and electric radiator fan in the "high cool" position.

#### Lamps

To allow the gauges and/or headlights to be lighted only when needed extending the bulb life. Units have a three-position lamp switch: off-down, middle-gauges only, and up for gauges and headlights.

Units have a #6 main power cable

Mates to harness part number 3120



Rich Concato's 2002 Camaro Featuring an ARC 12001RPM

#### Model 3700 & Model 3710



8" L x 2-5/8" H x 3-1/2" D

#### Model 3100 & Model 3110



8" L x 2-1/4" H x 2" D

#### **Internal Fuse and Connector Layout**



\* Both in dash and overhead units hinge out for easy access to fuses. It also contains two spare fuses.

#### Nitrous Controls

#### **Rocker and Flat Touch Models**



#### Model 12004R Complete System



Model 3701 - Overhead Pro Stock Control with Nitrous Control System



11-3/8" L x 2-5/8" H x 3-1/2" D

Model 12001-12004 appear here as well as in the section on Flat Touch Controls to demonstrate its unique ability to operate in a nitrous car. It can be configured with a standalone nitrous section. Switches 9, 10, 11 and 12 can either be simple on/off switching same as switches 1-8 or using the programming switches at the right side of the unit can be configured to have a second master arm kill switch for your nitrous system. To accommodate the variety of different systems you can have as many purge switches as needed.

#### **Model 3101**



5-1/4" L x 2-1/8" H x 2" D

In dash panel nitrous switches. Functions the same as nitrous section in Model 3701

In addition to our standard PRO STOCK CONTROL, this unit includes: LIGHTED ARM, PUMP, and PURGE switching for the control of your nitrous system. The Standard ignition switch activates the nitrous controls. The nitrous section is intended to be used in conjunction with the pump and stage relays part number 1401 listed in this section. Unit works with our harness part number 3120.



Dirk Stratton's Formula Drift Corvette Featuring an ARC 4001DPM-ECU



#### Relay Model 1402 Time Delay Relay



3" L x 2" W x 2-3/16" D

MODEL 1402 - This unit features a plug-in fuse and 40 AMP relay along with an adjustable .1 sec to 1.0 sec time delay in .1 sec increments. It enables you to minimize engine and drive line damage while improving driveability.

#### **EXAMPLES:**

Time delay a stage activated by a shifter switch until after driveline loading peaks, the clutch locks up and or the tires hook up.

Activate 2 stages by the same switch, delaying the 2nd stage to lessen motor and driveline stresses and improve traction.

#### Relay Models 1401-1 through 5



These relays are typically used for pump, purge or stage solenoid operations. These modules feature plug in replaceable fuses and 40 AMP relays and can be operated by switching 12V or ground. Available in one through 5 position units (1401-4 Four position module pictured). Each relay position occupies a 2 x 2 inch space and are 2-3/16 H.

#### Model 1440 Relay Module



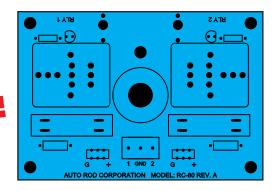
5-1/4" L x 2-3/16" W x 2-1/4" H

This unit contains four 40 AMP plug in relays and input fuse connectors for ATO fuses. This unit also features replaceable lugless connectors. *Relays on this unit are Ground Activated*. Simply connect one terminal of your switch to ground and the other to this relay board or connect your ECU or EFI grounded outputs to operate this module.

This dual position relay board will handle your most demanding loads. Each relay is rated at 80 Amps and can be activated with a Ground or Voltage trigger. Features include:

- Ultra High Current 80 Amp Sealed Relays
- User Selectable Ground or Voltage trigger for each relay
- 70 Amp Maxi-Fuse for each relay
- · Led Indicator lamp on each relay output
- 6 gauge power cable
- Flyback protection for ECUs

#### **Model RC-80 High Current Relay Module**





## **ARC - Universal Relay Boards**

The most versatile, feature packed relay boards available

#### 8000U - Universal 8 Relay Controller



**8000U** - Universal Relay Controller 6" L x 4-1/8" W x 2-1/4" H

- Selector switches allow any relay to be activated by positive voltage or ground switching.
- 4 Relays have the option of switching high current grounds or high current power.
- All circuits are independently fused.
- All relays have access to the normally open contact.
- 4 Relays have access to the normally closed contact.
- 4 Additional fused power outputs.
- Custom labeling for all positions.
- All Relays have surge protection for EFI or ECU controls.

#### 4000U - Universal 4 Relay Controller

- Available with solid state relays
- 40 Amp sealed mechanical relays standard, up to four ground activated solid state relays optional
- Selector switches allow each relay to be activated by positive voltage or ground (mechanical relay positions only).
- · All circuits are independently fused.
- 2 fused constant power outputs.
- Relays have flyback protection to protect EFI/ECU controls
- Includes label set for each relay
- Each Relay output has an LED for ease of troubleshooting



**4000U** - Universal Relay Controller 6" L x 4-1/8" W x 2-1/4" H



## Solid State Part Numbers

4000U-SS1 - 1 Solid State Relay 4000U-SS2 - 2 Solid State Relays 4000U-SS3 - 3 Solid State Relays 4000U-SS4 - 4 Solid State Relays

> 4000U-SS1 will ship with 1 Solid State Relay and 3 Mechanical Relays



Gene Brown's NHRA Super Gas Nova Featuring an ARC 6001Z - Pre-Wired



## Stand Alone Relay Boards

These relay boards have a #6 main power cable and plug in replaceable 40 AMP relays and fuses. All units include custom labeling sheet.

#### **Model RC8-ECU**



6" L x 4-1/8" W x 2-1/4" H

RC8 - All relays voltage activated RC8-ECU-1 - All relay ground triggered RC8-ECU 12V-2 - 4 Ground Activated and 4 Voltage Activated Relays for 12V Battery Cars RC8-ECU 16V-2 - 4 Ground Activated and 4 Voltage Activated Relays for 16V Battery Cars

RC4 - All relays voltage activated RC4-ECU - All relay ground triggered RC4-ECU-1 - 2 Relays are Voltage Triggered and 2 Relays are Ground Triggered

#### Model RC-12 ECU



9" L x 4-7/8" W x 2-1//4" H

#### Model RC4-ECU



4" L x 4-1/8" W x 2-1/4" H

RC12 - All Relays are Voltage Activated RC12ECU-1 - All Relays are Ground Activated RC12ECU-2 - 8 Relays are Ground Activated and 4 Relays are Voltage Activated RC12ECU-3 - 8 Relays are Voltage Activated and 4 Relays are Ground Activated



Roy Finley's N/T Mustang Featuring an ARC 12001R

## EFI-ECU Switching & Relay Controls



#### Flat Touch ECU Systems With ECU Relays

All Flat Touch Ecu Models Feature **Auxiliary Ground Controlled Relays** 

#### Model 4000D-ECU



#### These are available as:

4000R - ECU - Rollbar mount - White Face 4000D - ECU - Dash mount - White Face 4001R - ECU - Rollbar mount - Black Face 4001D - ECU - Dash mount - Black Face 4003R - ECU - Rollbar mount - White Face, Carbon Case 4003D - ECU - Dash mount - White Face, Carbon Case 4004R - ECU - Rollbar mount - Black Face, Carbon Case

4004D - ECU - Dash mount - Black Face, Carbon Case

#### These are available as:

8000R - ECU - Rollbar mount - White Face 8000D - ECU - Dash mount - White Face

8001R - ECU - Rollbar mount - Black Face

8001D - ECU - Dash mount - Black Face

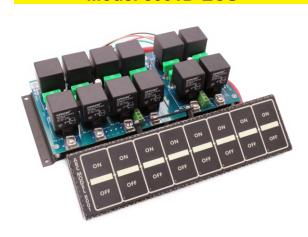
8003R - ECU - Rollbar mount - White Face, Carbon Case

8003D - ECU - Dash mount - White Face, Carbon Case

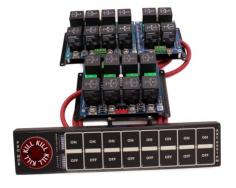
8004R - ECU - Rollbar mount - Black Face, Carbon Case

8004D - ECU - Dash mount - Black Face, Carbon Case

#### Model 8001D-ECU



#### Model 8001R-PM-12



8004R-PM Flat Touch with an RC12-ECU for Nitrous control

## 4001 or 8001 Pro Mod with Nitrous Banking Relays

This system is designed specifically for Nitrous Pro Mods using EFI. The kit provides the 8001 Pro Mod Flat Touch System and an additional RC-12 ECU which provides you with 12 Ground Triggered 40 Amp Relays.

These relays can be triggered by the timer functions in almost any ECU. This will allow you to use the ECU to time all of your Nitrous Stages. You can run 1-6 Straight Kits or bank all 6. If you do not bank you can use the remaining relays for any function you choose.

This system is also available with an RC8-ECU (8 Relays)

#### Part Numbers

4001RPM-8 - 4 Switch Unit Plus 4 **ECU Relays** 

4001RPM-12 - 4 Switch Unit Plus 8 **ECU Relavs** 

4004RPM-8 - 4 Switch Unit Plus 4 ECU Relays (Carbon)

4004RPM-12 - 4 Switch Unit Plus 8 ECU Relays (Carbon) 8001RPM-8 - 8 Switch Unit Plus 8

**ECU Relays** 

8001RPM-12 - 8 Switch Unit Plus 12

**ECU Relavs** 

8004RPM-8 - 4 Switch Unit Plus 4

ECU Relays (Carbon)

8004RPM-12 - 4 Switch Unit Plus 8 ECU Relays (Carbon)

## EFI-ECU Switching & Relay Controls



#### Flat Touch ECU Systems With ECU Relays & Oil Pressure Control

4 & 8 Switches - Available in Black or White

#### Model 4000DP-ECU



#### **Available Models**

4000DP-ECU - White front in dash unit 4000RP-ECU - White front roll bar unit 4001DP-ECU - Black front in dash unit 4001RP-ECU - Black Front roll bar unit **4003DP-ECU** - White front in dash unit (Carbon Case) **4003RP-ECU** - White front roll bar unit (Carbon Case)

**4004DP-ECU** - Black front in dash unit (Carbon Case) **4004RP-ECU** - Black Front roll bar unit (Carbon Case)

#### **Available Models**

8000DP-ECU - White front in dash unit 8000RP-ECU - White front roll bar unit 8001DP-ECU - Black front in dash unit 8001RP-ECU - Black Front roll bar unit

**8003DP-ECU** - White front in dash unit (Carbon Case)

**8003RP-ECU** - White front roll bar unit (Carbon Case) **8004DP-ECU** - Black front in dash unit (Carbon Case)

**8004RP-ECU** - Black Front roll bar unit (Carbon Case)

#### Model 8004DP-ECU



This system allows starting the engine by temporarily bypassing the oil pressure shutdown feature. When the engine starts it monitors the required low oil pressure. It waits and if minimum oil pressure is not reached safely it will shut engine off. If the pressure is correct the engine will continue to run through the oil pressure switch closure. This overrides the ignition switch on power enabling it to shut the engine off with the ignition switch still on. The ignition switch simultaneously also retains the ability to shut the engine off. With this control the oil pressure switch never switches any high currents which assures its longevity while still maintaining a 40 amp capacity ignition circuit.

Our units manual override switch is provided to bypass and/or test the engine oil pressure switch. By automatically monitoring the startup oil pressure rise it is unnecessary to crank the motor excessively with the ignition off in an attempt to obtain enough oil pressure to close the switch and allow the car to start. This procedure only drains the battery, overheats the starter and tends to flood the motor and wash the rings



## EFI-ECU Switching & Relay Controls



## Pro Mod Flat Touch Systems with Backlit Kill Switch & ECU Controlled Relays

#### Model 8001RPM-ECU



8 Switch Flat Touch with Kill Switch

### **Part Numbers**

4001RPM-ECU - Roll bar unit 4001DPM-ECU - In dash unit 4004RPM-ECU - Roll bar unit 4004DPM-ECU - In dash unit 8001RPM-ECU - Roll bar unit 8001DPM-ECU - In dash unit 8004RPM-ECU - Roll bar unit 8004DPM-ECU - In dash unit

#### Part Numbers

4001RPMP-ECU - Roll bar unit 4001DPMP-ECU - In dash unit 4004RPMP-ECU - Roll bar unit 4004DPMP-ECU - In dash unit 8001RPMP-ECU - Roll bar unit 8001DPMP-ECU - In dash unit 8004RPMP-ECU - Roll bar unit 8004DPMP-ECU - In dash unit

> These units include 4 ECU Triggered Relays

#### Model 8004RPM-P



8 Switch Flat Touch with Kill Switch with Oil Pressure Control

#### Part Numbers

4001RPMP - Roll bar unit 4001DPMP - In dash unit 4004RPMP - Roll bar unit 4004DPMP - In dash unit 8001RPMP - Roll bar unit 8001DPMP - In dash unit 8004RPMP - Roll bar unit 8004DPMP - In dash unit 12001RPMP - Roll bar unit 12004RPMP - Roll bar unit

> These units include Oil Pressure Control



Sal Bellomo's 8.50 Index Camaro Featuring ARC-8004RPM-P



Visit YouTube.com to watch video Search "ARC Flat Touch" or visit www.autorod.net/videos









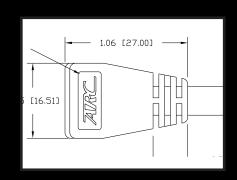
# The ALL NEW 10 Pin Connector Cable

This cable is compatible with ALL Flat Touch Controls



## Features Include:

- Overmolded 10 pin connector
- Round Ultra Flexible PVC jacketed cable
- Compatible with ALL existing Flat Touch Controls
- Upgraded design for increased durability
- Includes new cable clamp hardware
- · Systems ship with 8' Cable
- 1.5', 2', 3', 4', 6', 10', and 12' Lengths are available





#### Model 3000



#### Low Oil Pressure Control

This is a standalone system that will work in any car

This new system allows starting the engine by temporarily bypassing the low oil pressure shutdown feature. When the engine starts it monitors the required low oil pressure. It waits and if minimum oil pressure is not reached safely it will shut the engine off. If the pressure is correct the engine will continue to run through the oil pressure switch closure. This overrides the ignition switch on power, enabling it to shut the engine off with the ignition switch still on. The ignition switch simultaneously also retains the ability to shut the engine off. With this control the oil pressure switch never switches any high currents which assures its longevity while still maintaining a 40 amp capacity ignition circuit.

Our units manual override switch is provided to bypass and/or test the engine oil pressure switch. By automatically

monitoring the startup oil pressure rise, it makes it unnecessary to crank the motor excessively with the ignition off in an attempt to obtain enough oil pressure to close the switch and allow the car to start. This procedure only drains the battery, overheats the starter and tends to flood the motor and wash the rings.

This unit works with any two pin normally open contact oil pressure switch.

#### Oil Pressure Switch Isolator Hose

It is not recommended to thread the Oil Pressure Switch directly into the engine block as the vibration can cause premature failure of the switch.

Our Isolator hose threads into the block with a -03 AN Adapter and the uses a short Stainless Steel Braided Hose to connect the switch.

These hoses are available in the following lengths

#### Part Numbers

3" - **OPH-3** 

4" - **OPH-4** 

5" - **OPH-5** 

6" - **OPH-6** 

7" - **OPH-7** 

8" - **OPH-8** 

-03 AN Oil Pressure Tee Fitting - OPT-03B -03 AN Oil Pressure Tee Fitting - OPT-03S -03 to 1/8" NPT Adapter Fitting - **OPA-03** 

#### Oil Pressure Control **Fittings**



#### Custom Length Hoses are available by Special Order. Please call us to order.



Jeff & Sean Lanigan's NHRA Super Street/Super Gas Camaro Featuring an ARC 8001R

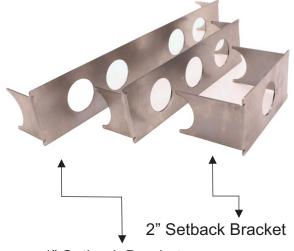




Each reducer model has an internal remote reset circuit breaker. Unit only rises 45 degrees maximum above ambient temperature.

#### **Roll Bar Set Back Brackets**

When laying out the driver's cockpit if you decide the roll bar mounting needs to be closer to the driver, purchase the flat touch dash mount unit and install with the appropriate rollbar Setback Brackets. They are made from .050 CRS. Tack to roll bar and paint to suit.



1" Setback Bracket

RS4-1 - for a 4 Switch unit with 1" setback

RS4-2 – for a 4 Switch unit with 2" setback

RS8-1 – 8 switch unit with a 1" setback



In dash unit shown mounted to Roll bar Setback Bracket

RS8-2 - for a 8 Switch unit with a 2"setback

RS12-1 – for a 12 Switch unit with a 1" setback

RS12-2 - for a 12 Switch unit with a 2" setback

RS8-2 - for a 8 Switch unit with a 2" setback

RS12-1 - for a 12 Switch unit with a 1" setback

RS12-2 - for a 12 Switch unit with a 2" setback



#### **Flush Mount Dash Brackets**



4 Switch unit shown mounted in bracket



#### TECH TIP:

When wiring your car make sure you use quality Wire and Cable. Saving a few dollars on wire can be a big mistake. It is also important to use the right size wire for the accessory you are wiring in, Wiring can add as little as 20 lbs to your car or a lot more than 20lbs if you do not have the right size wire to work with both big and small!

#### Switch - Pro Stock Control Module



2120 - SPST - (Off) (Momentary On) 20 Amp Starter

2130 - SPST - (On) & SPST (Off) (On) Red Lighted 20 Amp - Ignition & Fuel

2140 - SPST - (On) (Off) (Momentary On 20 Amp -Fuel Pump

2150 - SPST - (Off) (On) & SPDT (On) (Off) (On) -Fan & Water Pump

2160 - DPDT - (On) (Circuit 1 & 2 On) 20 Amp

Progressive Action - Lighting

These brackets allow you to flush mount your ARC Flat Touch Units from the rear of the dash. They will require a cutout the size of the face of the unit. The unit will mount the switch panel 1/16 of an inch forward of the dash and is Laser cut in .060" Aluminum.

> 12FM - For a 12 Switch Unit **8FM** - For a 8 Switch Unit 4FM - For a 4 Switch Unit



#### Replacement Power Cables



PC1 - 8' Cable with Threaded Flag Terminal for Rocker Switch Pro Stock Controls PC2 - 6' Cable with 5/16" Ring Terminal for Flat Touch Controls Relay Boards



Anthony D'Agostino's Nova Super Pro/8.50 Index Featuring an 8001RPM



#### Pro Stock Harness Part #3120



This harness consists of an 18 ft eleven cable assembly. All wiring is 14 Gauge color coded and oil and gas resistant. Connectors included

#### **Replacement Switches for Powerstick**



**PSST** - Starter Switch **PSSW** - All On/Off Switches

#### Printed Wire Harness Part #3122



This printed harness consists of 14 and 18 gauge colored wires. All wires are printed every 6 inches for ease of installation and diagnosis.

**RB-1** - For 8 and 12 Switch Units **RB2** - For 4 Switch Units

#### Firewall Keypad Cable



**RIBBON F** - For Firewall Keypad to Switch Panel Connection

## Replacement Switch Assembly for Pro Stock Controls



GUTS - Complete internal circuit board, fuse, and switch assembly N2OGUTS - 3 Nitrous Switch assembly for 3701 Panel

#### Plug in Circuit Breaker



Fits into ATO fuse holders
Pop up push button manual reset

1520-5 - 5 Amp
1520-20 - 20 Amp

1520-10 - 10 Amp
1520-25 - 25 Amp

**1520-15** - 15 Amp **1520-30** - 30 Amp

#### **Rollbar Conversion Kits for Flat Touch Controls**



WWW.AUTOROD.NET 21 Le Valley Dr., Englishtown, NJ 07726 Sales: 732.851.5095 Tech: 774.417.6542 Page 26



#### RacePak V-Net Module Mounts

#### V-Net Module Mount



ARC-VM-01 with 1 Module

RacePak is a Registered Trademark of RacePak Data Systems. In todays race cars, it is possible for cars to have upwards of 15 *RacePak* Modules in the car. This new product allows racers to neatly and securely mount their V-Net Module in the car.

These V-Net Mounts are available in Black Powder Coat. They are designed to mount up to 5 modules. If you have more than 5 we recommend you use 2.

They are .125" Aluminum so they are very light weight!

#### Part Numbers

Panel Mount VM-01

**Tube Mount** VM-125 VM-150 VM-162

V-Net Module Tube Mounts



ARC-VM-162 with 2 Modules



ARC-VM-162 with 2 Modules from the Tube Side

#### V300SD Bulkhead Tube Mount



ARC-RPBM-150 -RacePak V300SD Bulkhead Mount for 1.50" and 1.625" Tubing



Henry Borgers NHRA Super Gas Nova Featuring an ARC 6001ZR-BL

**Tech Tip** - Grounds in your car are just as important as power! Never assume that the chassis is an adequate ground. When possible, the best practice is to run all ground wires so that they have a direct path to Battery Ground. You can still use the chassis but referencing that chassis ground to the battery ground is the best way.





#### Replacement Relay Boards

#### RG4 Replacement Relay Board



Replacement relay board for 4000 Series Control Modules

#### We now offer Replacement Relay Boards sold with Relays and Fuses but no power cable

#### **RG12 Replacement Relay Board**



Replacement relay board for 12000 Series Control Modules

#### RG8 Replacement Relay Board



Replacement relay board for 8000 Series Control Modules

#### 8000P Series Replacement Relay Board



Replacement relay board for 8000 Oil Pressure Control Modules

#### 6001Z Replacement Relay Board



Replacement relay board for 6001Z Series Control Modules

#### Flat Touch Replacement Relays



Replacement relays for ALL Flat Touch Control Modules Sold individually.

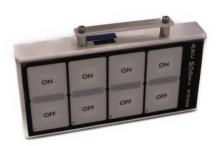
# A ROD CORPORATION

#### Continous Duty Solenoid



High current Continous Duty Solenoid

#### Firewall Keypad Model 4000F4 & F8 & F12



Firewall Keypad Velcros to the firewall plugging into the blue connector on your switch panel and operates the first 4 switches from under the hood Sealed to be weatherproof.

Part # 4000F4 - mates with Model 4000

Part # 4000F8 - mates with Model 8000

Part # 4000F12 - mates with Model 12000

Part # 4003F4 - mates with Model 4000 (Carbon Finish)

Part # 4003F8 - mates with Model 8000 (Carbon Finish)

Part # 4003F12 - mates with Model 12000 (Carbon Finish)



#### **Custom Label Set**



LB1 - for Labeling Switches and Relays

#### **Custom Label Set**



LB2 - for Labeling Black Flat Touch Panel



**NEW!! - Ribbon Cable Straps** 

RIBBONST - 10 Straps per Package



Mike Grafas' NHRA Top Sportsman Corvette Featuring an ARC 8004RPM-P

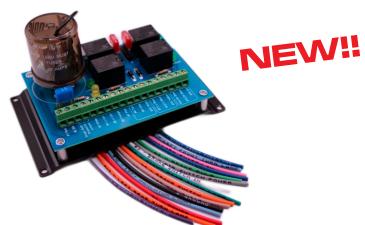
#### NEW!! - Cable Tie Bases



CTB-20 - 20 Bases per Package



#### Model TSM-1



#### **Turn Signal Control Module**

This is a standalone system that will work in any car

The new ARC-TSM-1 is your complete solution for Brake Lights, Turn Signals, and Hazard Lights. This completely stand alone unit can be used with Toggle Switches, or some aftermarket Turn Signal Switches. It uses any standard Brake Light switch, and any toggle switch can control the Hazard Lights as well.

The **TSM-1** is Fuse protected and ships with Printed wire for easy installation. It also ships with an LED compatible Flasher.

## NEW!!

## Sensor Integration Module Sensor Integration Moudule-ECU

The ARC **SIM-8** and the **SIM-8-ECU**. Are specifically designed for EFI applications, in which the user wants to wire multiple sensors back to the ECU. Until now this has been a cumbersome process as every sensor would require a Sensor Power, and Sensor Ground, and a Sensor Signal from the ECU.

This product allows you to clean this up by bringing a single Sensor Power and Ground to our board and it is distributed through the circuit board to handle up to 8 individual sensors. Included with the **SIM-8** is a 10-conductor shielded wire which carries Power and Ground as well as 8 individual inputs to the ECU. The **SIM-8** also has a diagnostic LED which will light when sensor power is present at the board.

The **SIM-8** can also be helpful in troubleshooting connectivity issues. For example, if you are not sure if a particular input you have assigned is working correctly you can simply move the sensor to a different terminal on the **SIM-8** and just assign a new input for diagnostic purposes.

The **SIM-8-ECU** is the same part but it has 4 Ground triggered relays on the same board as well. Simply bring a ground output from the ECU to the **SIM-8-ECU** and you will have a 40 Amp relay at your disposal for any accessory you choose, up to 4.

#### **Model SIM-8**



#### **Model SIM-8-ECU**





Kenny Capraun's Front Engine Dragster Featuring An ARC 4001D

## Model - Crimp Kit Terminal Crimping Kit

**Sales:** 732.851.5095 **Tech:** 774.417.6542

This kit includes ALL the crimp tools you will need to wire your car. This kit includes the removal tools as well.





## Model - Mounting Panel Electronics Mounting Panel



ARC can custom design a panel to mount all of your electronics. These can be designed using your measurements or you can choose from a library of designs for specific cars. They are laser cut in .125" Aluminum and Powder coated Black.

# Model - Deutsch Connectors DT and DTP Series



ARC carries a full line of Authentic Deutsch Connectors. DTP Series are rated at 25 Amps and the DT Series is rated at 13 Amps.

DTP available in 2 or 4 Pin DT available in 2,3,4,6,8,12 Pin

**Insulated Battery Posts** 



# Model - Insulated Studs



These insulated Studs are perfect for bringing power and ground to the front of the race car.

Sold individually, Red or Black

# Model - Wiring Kit

New Install Wiring Kit



ARC Wiring Terminal Kit
ARC Heat Shrink Tube Kit
Remote Starter Solenoid
Insulated Power and Ground Studs
Firewall Bump Start Switches
14 Position Terminal Strip
25 Cable Tie Bases with Hardware

#### Model - 75 Amp Relay

#### **High Current Relay**



This high current relay can be used with any accessory with a high current draw up to 75 Amps continuous. Sold with or without a wiring harness.



## Model - Terminal Strips 2-18 Position Terminal Blocks

These Terminal Strips make connecting multiple wires to the same circuit a breeze.

Available in: 2-18 positions.



#### Model - Terminal Kit

#### Wiring Terminals & Shrink Tube



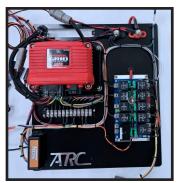
This kit supplies all the terminals you need to wire your car. These uninsulated, brazed seam terminals require the use of the included shrink tube kit.



Lee Zane's NHRA Bracket Apollo Featuring an ARC 6001Z



#### **Custom Electrical Panels**







S-10 Panel



70-81 Camaro Panel



Dragster Panel

#### **Material Options Include:**

Aluminum Carbon Fiber Lexan Titanium

#### **Finish Options Include:**

Paint Powdercoat Hydro Dipped This product takes all the guessing out of building an electronics panel for your Race Car. Through years of experience we offer C.A.D. designed panels built for your car and for all the electronics that you need mounted. These panels are designed to fit your car and allow you to have one panel with ALL of your electrical components mounted to it!

The panels are Designed in Solid Works and cut by Laser for a nice clean smooth finish. The panels can be cut from a wide variety of materials including Aluminum, Lexan, and Carbon Fiber. We have an extensive library of panels that fit in many different cars. If we do not have one for your car we can design one custom for your car. The panels are designed to be lightweight yet rigid enough to allow the mounting of all components. We

remove the material below the components to keep them as light as possible as well.

Due to the custom nature of this product, pricing is only available on a per job basis.

Panel pricing depends on the size, cut complexity, material, and finish. We offer a wide variety of finish options. If you do not have the components you need we can supply them as part of the job and you can recieve your panel cut, assembled, and ready to install. Finally, we can also pre-wire this panel as well which will save you significant time in the wiring of your car.



Guy Girgenti's Bracket Camaro Featuring an ARC 8001R



**Sales:** 732.851.5095 **Tech:** 774.417.6542

Please contact us for this service at 732-851-5095

## Performance Race Car Plumbing





AutoRod Corporation also offers performance RaceCar Plumbing with Hose and Fittings supplied by BMRS. This is the highest quality hose and the highest quality fittings available today! These hoses are Crimped using the BMRS Crimp machine as shown and crimped within .004" of the recommend final crimp measurement.

We have a full line of fittings and hose. All hose is PTFE and adequate for almost any fluid. The fittings are available in -02 thru -20 AN sizes in many different angles.

This service is custom. To order any hoses please contact ARC directly at 732-851-5095.



Aramid Fiber Hose & 180 Degree Swivel Fitting



SS Braid Hoses Swivel Fittings in Blue



**BMRS Crimp Machine** 



SS Braid Hose & 60 Degree Swivel Fitting





Marty Rinehart's NHRA Super Stock - SS/EA Camaro Featuring An ARC 12001RPM

# **Contact Information**

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**Kevin Sensi**'s - Drag and Drive Camaro Featuring an 8001RPM-P-ECU, SIM-8, 4000U-SS2, TSM-1