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Intellitronix DP6004

Intellitronix LED Digital Gauge Panel User Manual

Model: DP6004 (Blue) - Compatible for Chevy Truck 1973-87

Brand: Intellitronix

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Intellitronix LED Digital Gauge Panel. Designed for Chevy Trucks from 1973-87, this panel offers precise digital readouts for various vehicle parameters, enhancing your driving experience with modern accuracy and visibility.

2. SAFETY INFORMATION

Always prioritize safety during installation and operation. Disconnect the vehicle's battery before beginning any electrical work. Ensure all wiring connections are secure and properly insulated to prevent short circuits. If you are unsure about any step, consult a qualified automotive technician.

- Ensure the vehicle is turned off and the battery is disconnected before installation.
- Wear appropriate personal protective equipment, such as safety glasses.
- Do not modify the product in any way not described in this manual.
- Keep the product away from excessive moisture or extreme temperatures.

3. WHAT'S IN THE BOX

Your Intellitronix LED Digital Gauge Panel package includes the following components:

- LED Digital Gauge Panel (Bezel NOT included)
- All required sending and sensor units (Water Temperature Sender S8013, Oil Pressure Sender)

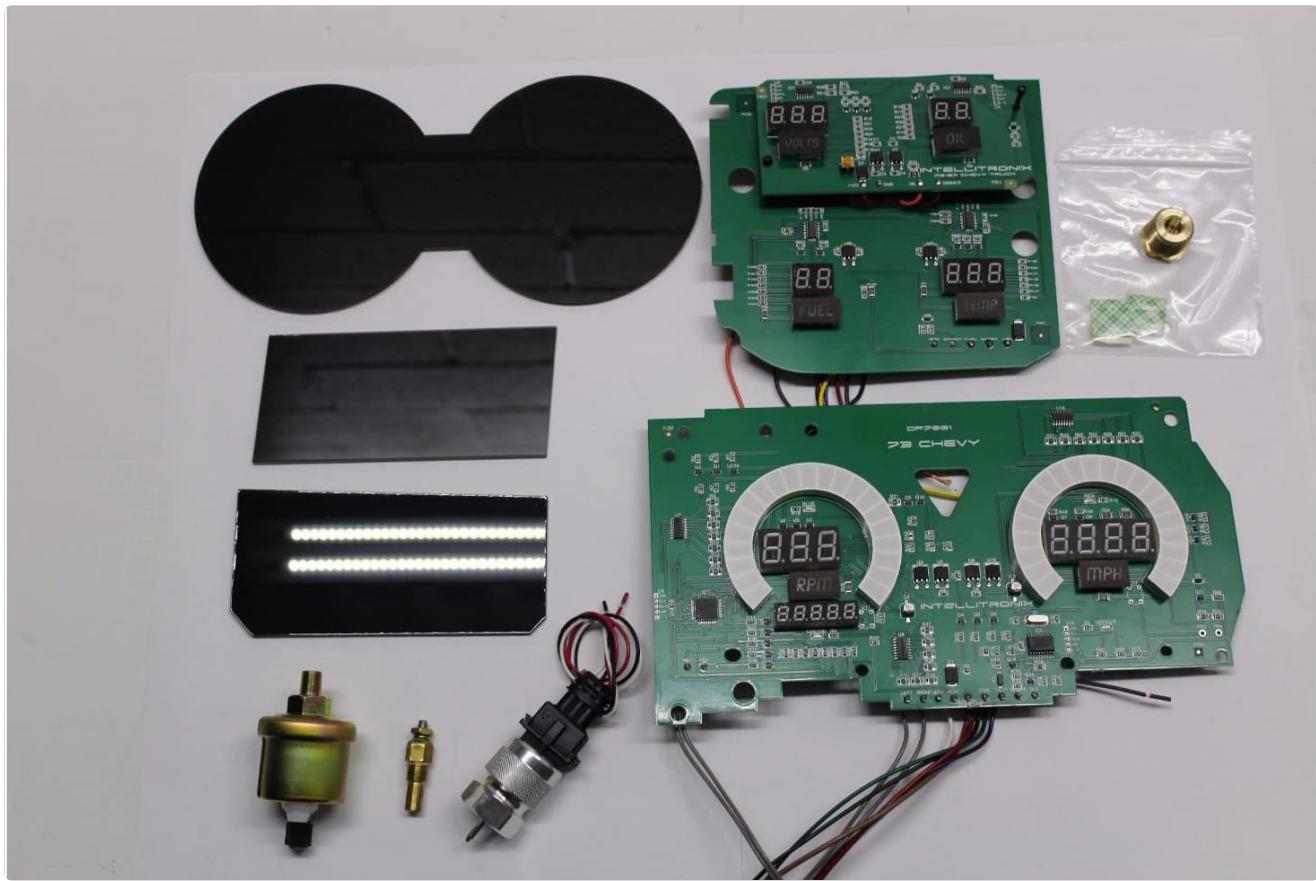


Figure 3.1: Included components of the Intellitronix LED Digital Gauge Panel. This image shows the main circuit boards for the gauges, along with various sensors and wiring harnesses that are part of the kit.

4. SETUP AND INSTALLATION

Installation of the Intellitronix LED Digital Gauge Panel requires careful attention to electrical connections. While designed for compatibility, some modifications to the vehicle's existing dashboard bucket may be necessary for a direct fit. The bezel is not included and must be sourced separately.

4.1 Wiring Connections

Refer to the detailed wiring diagram provided with your product for specific connections. Key connections include:

- **Power:** Connect to a switched 12V power source.
- **Ground:** Ensure a solid chassis ground connection.
- **Tachometer:** Connect to the vehicle's tachometer signal wire (0-9900 RPM).
- **Water Temperature:** Connect the included S8013 sender to the engine's water temperature port. Specify 1/2 inch bushing size if needed.
- **Oil Pressure:** Connect the included oil pressure sender to the engine's oil pressure port (0-100 PSI).
- **Voltmeter:** No sending unit required; connects directly to vehicle power (7.0-25.5 volts).
- **Fuel Level:** Works with existing GM fuel level sending unit (0-99%).
- **Turn Signals & High Beam:** Connect to respective vehicle indicator wires.

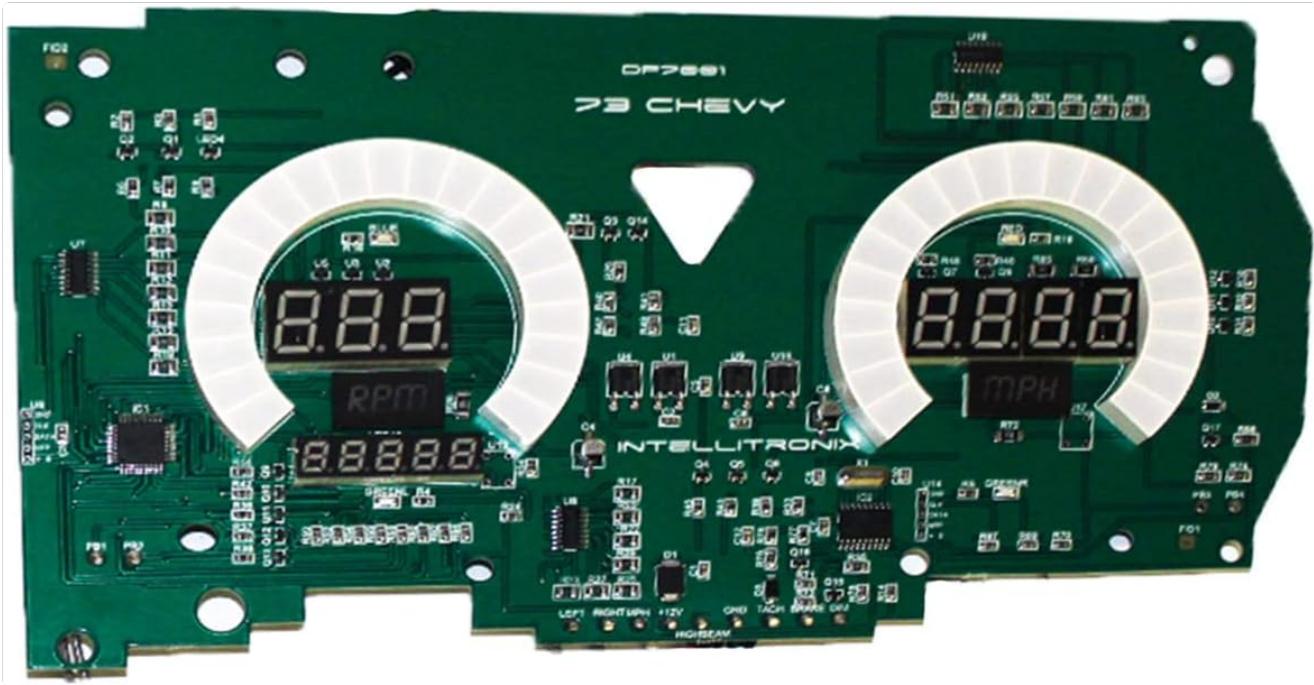


Figure 4.1: Main circuit board detail. This image highlights the primary board with digital readouts for RPM and MPH, indicating connection points for various signals.

4.2 Sensor Installation

Install the provided water temperature and oil pressure senders into their designated ports on the engine. Ensure a tight seal to prevent leaks.



Figure 4.2: Included sensors. This image displays the water temperature sender, oil pressure sender, and associated wiring, which are crucial for accurate gauge readings.

5. OPERATING INSTRUCTIONS

Once installed and powered, the Intellitronix LED Digital Gauge Panel will display real-time vehicle information. The digital readouts are designed for clear visibility.



Figure 5.1: Fully assembled Intellitronix LED Digital Gauge Panel. This image shows the panel installed, displaying bright blue digital numbers for speed, RPM, fuel level, oil pressure, water temperature, and voltage.

5.1 Gauge Readouts

- **Tachometer:** Displays engine RPM from 0-9900 in 100 RPM increments.
- **Water Temperature:** Displays engine coolant temperature from 100-300°F.
- **Oil Pressure:** Displays engine oil pressure from 0-100 PSI.
- **Voltmeter:** Displays vehicle system voltage from 7.0-25.5 volts.
- **Fuel Level:** Displays fuel tank level from 0-99% in 1% increments.

5.2 Calibration

The gauge panel may require calibration for certain functions, particularly the speedometer if applicable (order in MPH or KPH). Refer to the specific instructions provided with your unit for calibration button functions. Calibration may require some electrical experience.

6. MAINTENANCE

The Intellitronix LED Digital Gauge Panel is designed for durability and requires minimal maintenance. Keep the display clean using a soft, dry cloth. Avoid abrasive cleaners or solvents that could damage the display surface.

- Regularly check all wiring connections for security.
- Ensure sensors are free from debris and corrosion.
- Clean the display with a microfiber cloth to prevent scratches.

7. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|--|--|--|
| Gauges not illuminating or displaying. | No power, poor ground connection, or blown fuse. | Check power supply, ground wire, and vehicle fuses. Ensure battery is connected. |

| Problem | Possible Cause | Solution |
|--|---|---|
| Inaccurate readings for specific gauges. | Faulty sender unit, incorrect wiring, or calibration needed. | Verify sender unit connections. Check wiring for continuity. Perform calibration if applicable. |
| Cruise control system disabled after installation. | Known compatibility characteristic with some vehicle systems. | This is a known potential side effect. Consult vehicle service manual or Intellitronix support for specific workarounds if available. |
| Difficulty with calibration. | Instructions may be vague, or electrical experience is limited. | Review the specific calibration instructions carefully. Seek assistance from an experienced installer if necessary. |

8. SPECIFICATIONS

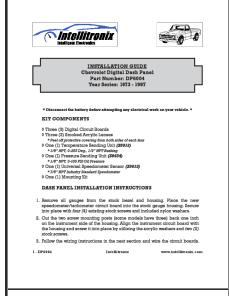
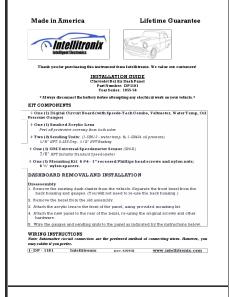
| Feature | Detail |
|-----------------------------|---------------------------------|
| Brand | Intellitronix |
| Model Number | DP6004 |
| Color | Blue |
| Operation Mode | Manual |
| Operating Voltage | 7.0-25.5 Volts |
| Tachometer Range | 0-9900 RPM (100 RPM increments) |
| Water Temperature Range | 100-300°F |
| Oil Pressure Range | 0-100 PSI |
| Fuel Level Range | 0-99% (1% increments) |
| Item Dimensions (L x W x H) | 14.3 x 8.4 x 4.7 inches |
| Item Weight | 3 pounds |
| Material | Copper, Brass, Aluminum |
| Mounting Type | Panel Mount |
| UPC | 012658002640 |

9. WARRANTY AND SUPPORT

Intellitronix products are manufactured to high standards. For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Intellitronix website. You can also contact Intellitronix Corp., the seller, for assistance.

Seller: Intellitronix Corp.

Related Documents - DP6004

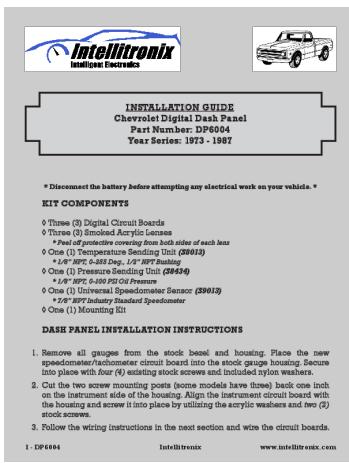
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|--|---|
|  | <p>Intellitronix DP6004 Digital Dash Panel Installation Guide</p> <p>Comprehensive installation guide for the Intellitronix DP6004 Digital Dash Panel, designed for Chevrolet and GMC vehicles from 1973-1987. Covers kit components, wiring, calibration, and support.</p> |
|  | <p>Intellitronix DP6004 Digital Dash Panel Installation Guide for Chevrolet-GMC (1973-1987)</p> <p>Installation and wiring guide for the Intellitronix DP6004 Digital Dash Panel, designed for 1973-1987 Chevrolet and GMC vehicles. Includes component list, wiring instructions, calibration, and troubleshooting.</p> |
|  | <p>Intellitronix DP6004 Digital Dash Panel Installation Guide for 1973-1987 Chevrolet-GMC</p> <p>Comprehensive installation guide for the Intellitronix DP6004 Digital Dash Panel, compatible with 1973-1987 Chevrolet and GMC vehicles. Details kit components and installation procedures.</p> |
|  | <p>Intellitronix DP6004 Chevrolet Digital Dash Panel Installation Guide</p> <p>Comprehensive installation guide for the Intellitronix DP6004 Chevrolet Digital Dash Panel, covering kit components, wiring instructions, and calibration procedures for classic Chevrolet vehicles (1973-1987).</p> |
|  | <p>Intellitronix DP1101 Chevrolet Bel Air Dash Panel Installation Guide</p> <p>Detailed installation guide for the Intellitronix DP1101 Digital Dash Panel designed for 1955-1956 Chevrolet Bel Air vehicles. Covers kit components, dashboard disassembly and installation, comprehensive wiring instructions for all gauges, tachometer and speedometer calibration, trip distance, odometer setting, and performance data recording. Includes technical support contact information and warranty details.</p> |
|  | <p>Intellitronix M9123 Outside Air Temperature Gauge Installation Guide</p> <p>Installation guide for the Intellitronix M9123 LED Digital Outside Air Temperature Gauge, detailing kit components and wiring instructions for automotive applications.</p> |



[Intellitronix DP6004 Digital Dash Panel Installation Guide for Chevrolet-GMC \(1973-1987\)](#)

Installation and wiring guide for the Intellitronix DP6004 Digital Dash Panel, designed for 1973-1987 Chevrolet and GMC vehicles. Includes component list, wiring instructions, calibration, and troubleshooting.

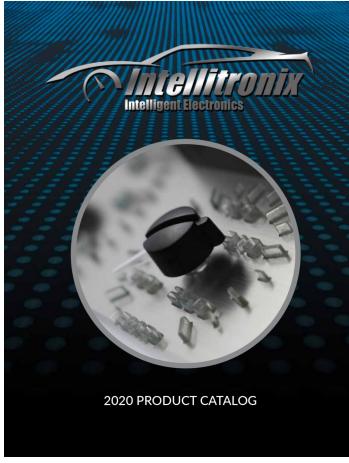
lang:en score:52 filesize: 362.41 K page_count: 9 document date: 2019-10-23



[Intellitronix DP6004 Chevrolet Digital Dash Panel Installation Guide](#)

Comprehensive installation guide for the Intellitronix DP6004 Chevrolet Digital Dash Panel, covering kit components, wiring instructions, and calibration procedures for classic Chevrolet vehicles (1973-1987).

lang:en score:51 filesize: 2.1 M page_count: 7 document date: 2016-09-13



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[Intellitronix DP6004 Digital Dash Panel Installation Guide](#)

Comprehensive installation guide for the Intellitronix DP6004 Digital Dash Panel, designed for Chevrolet and GMC vehicles from 1973-1987. Covers kit components, wiring, calibration, and support.

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Made in America Lifetime Guarantee Thank you for purchasing this instrument panel from Intellitron ... dustry Standard threads One 1 Mounting Kit 2 pcs double-sided sticky tape, 4 nylon washers 1 **DP6004** Intellitronix rev.2/03/20 www.intellitronix.com DASH PANEL INSTALLATION INSTRUCTIONS 1....

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Made in America

Lifetime Guarantee



Thank you for purchasing this instrument panel from Intellitronix. We value our customers!

INSTALLATION GUIDE
Chevrolet-GMC Digital Dash Panel
Part Number: DP6004
Year Series: 1973 - 1987



Always disconnect the battery before attempting any electrical work on your vehicle.

KIT COMPONENTS

- Three (3) Main Control Boards (speedo, tach, one board, two smaller boards already assembled, Voltmeter and Oil pressure sensor, Fuel gauge (Wear Temperature on the other))
- Three (3) Smoked Acrylic Lens
- One (1) Mounting Kit (comes with both sides of each item)
- One (1) Temperature Sending Unit (S0012)
- One (1) Universal Speedometer Sensor (S0013)
- 7/8" NPT Industry Standard threads
- One (1) Mounting Kit (3 per double sided sticky tape, 4 nylon washers)

1 - DP6004 Intellitronix rev 10-23-11 www.intellitronix.com

[Intellitronix DP6004 Digital Dash Panel Installation Guide for 1973-1987 Chevrolet-GMC](#)

Comprehensive installation guide for the Intellitronix DP6004 Digital Dash Panel, compatible with 1973-1987 Chevrolet and GMC vehicles. Details kit components and installation procedures.

lang:en score:24 filesize: 161.8 K page_count: 1 document date: 2020-01-02