Standex Electronics

An Engineered Solution Provider and
Manufacturer of Custom Components & Assemblies

Automotive Market Applications

Fluid Level Sensors & Custom Electronics

Automotive design engineers strive to increase fuel efficiency by reducing the size and weight of each component. So they rely on Standex engineers to provide assemblies as well as ideas, engineering expertise and assistance at every stage. Whether a project is in design, test or production – Standex delivers.

We supply various components used throughout consumer and commercial vehicles. Our family of washer fluid sensors includes 45 designs with 8 standard connectors. Our auto immobilizer security antennas are used by every major auto manufacturer.

We can provide components or integrate them into value-added assemblies to streamline production and reduce assembly time and cost. In house capabilities – including molding, stamping, winding, termination and assembly – make us unique – and uniquely qualified to handle automotive applications. And our "global footprint" means that we manufacture worldwide to simplify shipping, logistics and costs of getting your assemblies wherever they are needed.

Custom Standex assemblies for automotive applications:

- Float level switches for Brake fluid level sensors
- Liquid level sensor assemblies for Washer fluid level sensors
- Immobilizer coils for ignition switches.
- Proximity sensors for brake pedal positioning, hood latch verification and other automotive applications
- Antenna coils for tire pressure monitoring receiver and security systems
- Keyless receiver antennas for auto and motorcycle applications
- Dual-solenoid coils for anti-lock brake systems for truck air brakes
- Electronic Key fob antennas for door lock systems
- Antenna coils which mount outside the rear-view mirror
- Self-supported air winding for antenna transmitter and receiver applications

Automotive Design Capabilities:

- Experienced in Automotive Standards and Design Requirements
- Low, High & Radio Frequency Magnetic Component Engineering
- Sensor & Reed Switch Engineering
- Fully Equipped Certified Test Labs
- Mechanical Engineering & Electronic Component Packing
- 3-D Solid Modeling Design
- Plastic Molding Capabilities
- Wire Prep and Wire Harness Assembly
- Rapid Prototyping
- Laser welding
- Hi-volume, Progressive Die Stamping
- Glass to Metal Sealing
- 52ga - 8ga & Foil Magnetic Component Winding
- Wind and assemble all core shapes and types
- Connector & Terminal Engineering
- Power Supply & Other Systems Engineering

- Our manufacturing facilities are Registered to ISO/TS16949:2002
- Complete lab & test capabilities for Mil/Aero, automotive and other industries as required

Call today for your automotive market needs. We'll get you moving in no time!

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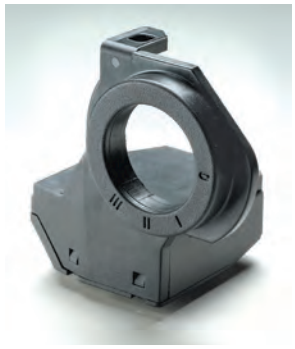
Automotive Market Product Guide

Laboratory test capabilities for Automotive applications:

- Thermal Shock Testing
  (-70°C to 200°C, LN2 boost assures less than a 5 minute air-temperature recovery time).
- Thermal Cycle Testing (-68°C to 177°C)
- Humidity Testing (-18°C to 93°C, 98% RH, cycle temp or steady state).
- Vibration Testing
  (Sine or Random profile, 1" pk-pk displacement, 0 to 80 g pk, 5 to 2000 HZ)
- Mechanical Shock Drop Testing
  (½ sine 50g 11ms, ½ sine 1500g .5ms, or sawtooth 100g 6ms)
- Hi Temp Testing (Up to 260°C)
- Salt Fog Testing
- Solderability Testing

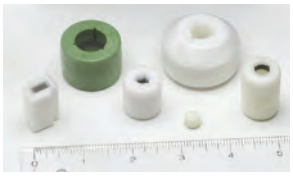
Liquid level sensors for all types of automotive fluids



Immobilizer coils for automotive security applications

Magnetic reed switches for position sensing

Keyless entry device for motorcycle



Molded magnets for activating reed switches in fluid level sensor applications

Liquid level sensors

Tire pressure monitoring antennas

High frequency inductor for engine control

Can your automotive devices benefit from top notch engineering expertise and manufacturing facilities designed for custom work?
If so, visit us or give us a call!

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