

Appliance Market Applications

Reed Switch Sensors and Custom Magnetics



As consumer and commercial appliances get “smarter” their designs get more complex and intricate. Space and weight savings, and green designs become paramount. So design engineers turn to Standex - a trusted resource for assemblies, as well as ideas, engineering expertise and assistance at every stage.

Standex supplies a broad range of components and value-added assemblies to manufacturers of commercial and consumer appliances. Our snap-in design for a safety switch for commercial and residential laundry equipment eliminates the accompanying assemblies and labor for mounting. Providing the accompanying actuator assembly provides a complete six sigma system. This technology is capable of switching a wide variety of electrical loads – from DC logic level to 240VAC.

Our design engineers developed a series of patented conductivity-based liquid-level sensors specifically to handle viscous, corrosive liquids like soap and fabric softener. This allows these materials to be stored for automatic dispensing –simplifying their use for end-customers, eliminating detergent waste, and helping the environment.

Call today to see how we can assist with your next appliance design project.

Custom Standex assemblies for Appliance applications:

- Lid ajar sensors for commercial and consumer clothes washing machine
- Liquid level sensor especially designed to handle viscous, harsh & corrosive dishwasher soap
- Refrigerator door ajar proximity sensors
- Terminal block connector assemblies for hermetically sealed connectors used in compressors
- Custom reed switch type proximity sensor with connector for dishwasher arm movement sensing
- PC-Mount low cost current-sense transformers for dishwasher control
- Channel mount transformer with agency approved insulated winding area and lead termination for power supply application

Capabilities include:

- Sensor & Reed Switch Engineering
- Experienced in UL, CSA, IEC, TUV & VDE Standards
- Wire Prep and Wire Harness Assembly
- Connector & Terminal Engineering
- Mechanical Engineering & Electronic Component Packing
- Laser welding
- Hi-volume, Progressive Die Stamping
- Glass to Metal Sealing
- 3-D Solid Modeling Design
- Rapid Prototyping
- Plastic Molding Capabilities
- Power Supply & Other Systems Engineering
- Coil winding
- 52ga-8ga & Foil Magnetic Component Winding
- Wind and assemble all core shapes and types including laminated
- Complete lab & test capabilities for Mil/Aero, automotive and other industries as required



Appliance Market Product Guide

Appliance lab test capabilities:

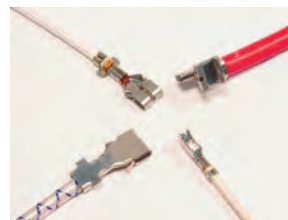
- Thermal Shock Testing (-70°C to 200°C, LN2 boost assures less than a 5 minute air-temperature recovery time).
- Thermal Cycle Testing (-68°C to 177°C)
- Humidity Testing (-18°C to 93°C, 98% RH, cycle temp or steady state).
- Vibration Testing (Sine or Random profile, 1" pk-pk displacement, 0 to 80 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
- In-house life and durability testing of Reed Switch products

The Oakville lab facility is approved as a Witness Testing Location by the following agencies:

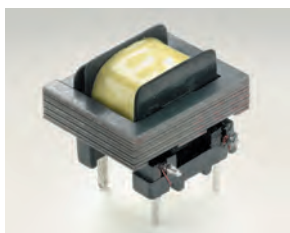
- Canadian Standards Association (CSA)
- Underwriters Laboratories
- Intertek Testing Services (ETL)
- TÜV Rheinland®



Channel Mount Transformer with Agency Approved Insulated Winding Area and Lead Termination



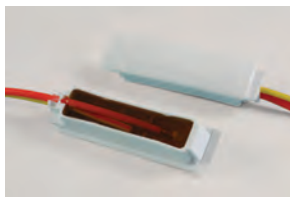
Wire harness connector assemblies



PC-Mount Low Cost Current-Sense Transformer



Fluid-Level Sensor



Clothes Washing Machine Door Ajar Sensor



Liquid-Level Sensor Especially Designed for Harsh & Corrosive Environments - Example application, Dishwasher Soap Level Sensor



Reed Switches for a variety of Proximity & Fluid Level Sensing Applications



Current-Sense Transformers for a Broad Range of Applications

