

CUSTOM ELECTROMAGNETIC COMPONENTS & SENSOR SOLUTIONS

COMPONENT FAILURE MEANS DOWNTIME AND LOST REVENUE

Component failure in industrial environments means downtime, lost production, and lost revenue. That's why design engineers rely on Standex Electronics to provide not only electronic components like transformers, inductors and chokes, but also ideas, engineering expertise and assistance. As a manufacturer with a global footprint, Standex offers worldwide sourcing and manufacturing capabilities. This translates to cost effective procurement, manufacturing, and logistics depending on the needs of the customer. Standex is fully capable of providing individual components as well as integrated sub assemblies and assemblies.

Standex is the preferred supplier to one of the world's leading manufacturers of electrical power distribution and management systems. Our engineers work closely with this customer to design and manufacture:

- Current sensing devices
- Magnetic trip coils
- Power transformers
- Voltage transformers
- Multi-tap transformers

Standex design engineers often think 'out of the box' to develop custom solutions – like the "voice coil" we developed for use in an outboard marine engine. This coil, which is completely immersed in fuel, energizes the fuel injectors. This engine has the highest efficiency and cleanest operating performance of any marine engine.



CUSTOM STANDEX ASSEMBLIES FOR INDUSTRIAL APPLICATIONS:

- › UL, CSA and ETL rated transformers custom designed for any industrial or commercial application
- › Power transformers used in the food and beverage industry for cooktops, stoves and beverage dispensing equipment
- › Magnetic components for commercial lighting applications ranging between lighting display cases to high intensity lamps or lighting streetlights and stadiums
- › Molded reed switch proximity sensors to detect the 'open or closed' position of doors, lids and safety critical enclosures
- › Insert-molded RF transformers for garage door openers
- › Transformers, inductors, and chokes used to power and control communications equipment
- › General purpose transformers for wet applications including pool and spa controls
- › Class 2/Class 3 laminated power transformers supplied to one of the world's leading manufacturers of residential and commercial irrigation systems



Design Capabilities:

- Transformers (planar, current sense, smps transformers, high voltage/frequency, medical-grade, flight-grade, MIL-SPEC)
- Inductors, common mode chokes & reactors
- Power supplies and custom assemblies
- Sensor, Relay & Reed Switch Engineering
- Connector & Terminal Engineering
- Mechanical Engineering & Electronic Component Packaging
- 3-D Solid Modeling Design

Manufacturing & test capabilities include:

- Hi-volume, Progressive Die Stamping
- Wire Prep and Wire Harness Assembly
- Glass to Metal Sealing
- 52ga-8ga & Foil Magnetic Component Winding
- Wind and Assemble all core shapes and type including Laminated
- Rapid Prototyping
- Complete, In-House Machine shop
- AS9100, ISO9001, IATF16949 Certified
- ITAR & NIST Compliant
- Fully Equipped Certified Test Labs
- In-house molding

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



Low frequency magnetic with enclosures



Industrial current sense transformer



Magnetic reed switches as small as 3.95mm, available in surface mount design



Cored connected class 2 transformer



Custom laminated transformers



Pressure differential sensor



Voice Coil for Marine Application



Conductivity Sensor