



Switch
GREEN
Design peace of mind



PARTNER | SOLVE | DELIVER®

ALTERNATIVE ENERGY

CUSTOM SWITCHING & SENSING SOLUTIONS

Switching Energy-Efficient and Grid-Connected Technologies for a Sustainably-Clean Future

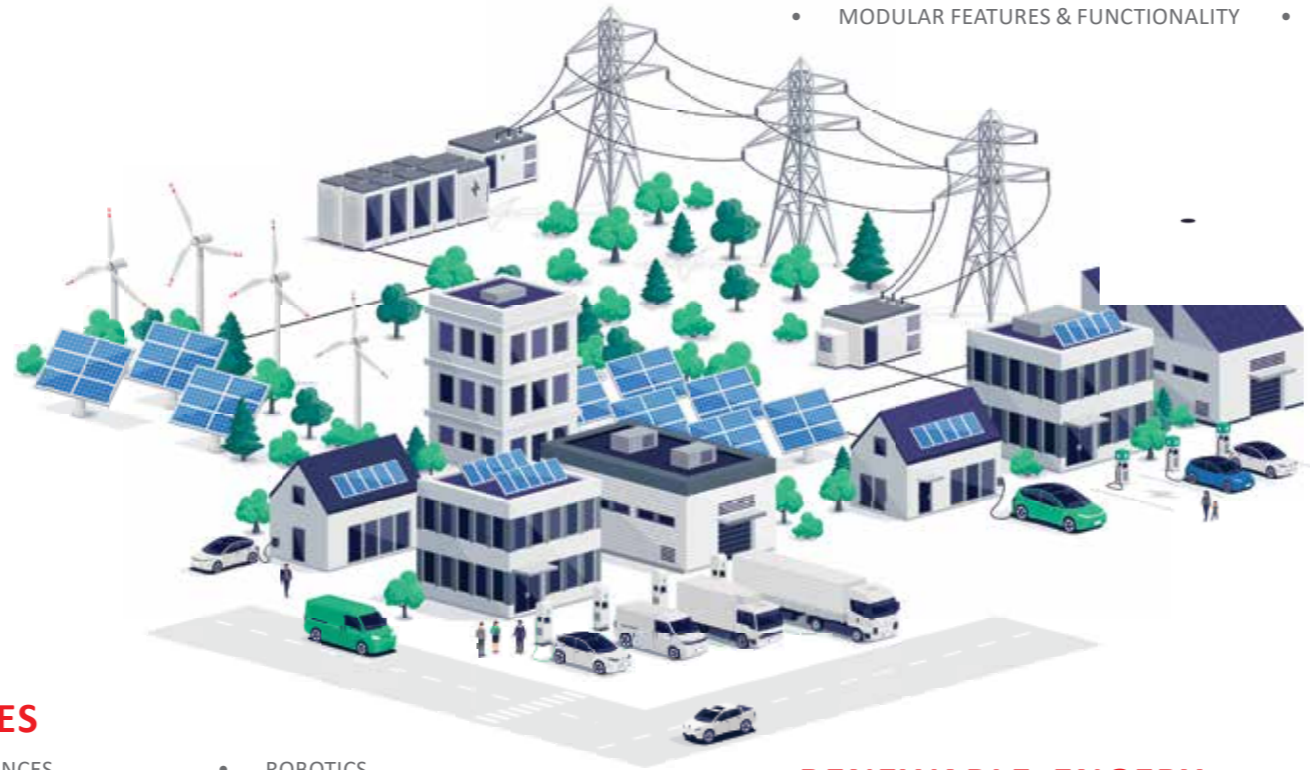
 **Standex**
Electronics

ALTERNATIVE ENERGY

LOW POWER SWITCHING SOLUTIONS WITH SUPERIOR FUNCTIONALITY, LONGEVITY AND RELIABILITY

ELECTRIC & HYBRID TRANSPORTATION AND MOBILITY SYSTEMS

- AUTOMOTIVE DIAGNOSTIC TESTERS
- BATTERY MANAGEMENT SYSTEMS
- CHARGING CONNECTOR DETECTION
- HIGH INSULATION MEASUREMENT
- BATTERY DEACTIVATION CONTROL
- MARINE SHORE POWER DETECTION
- FLUID LEVEL/FLOW DETECTION
- SPEED/DIRECTION SENSORS
- CONVENIENCE CONTROLS SENSORS
- CONSTRUCTION/AGRICULTURAL EQUIPMENT
- ON-BOARD CHARGER
- BATTERY MONITORING
- BATTERY BALANCING
- ISOLATION TESTING
- VEHICLE CHARGING
- POSITION SENSORS
- SPEED SENSORS
- SAFETY SENSORS
- ROTATION SENSORS



SMART & ENERGY EFFICIENT BUILDING AND HOME TECHNOLOGIES

- LED LIGHTING
- WATER, GAS, ELECTRIC METERS
- HEATING SYSTEMS
- COOLING SYSTEMS
- PROGRAMMABLE THERMOSTATS
- AIR CONDITIONING UNITS
- DEHUMIDIFIERS
- KITCHEN APPLIANCES
- POOL/SPA HEATERS AND PUMPS
- RECHARGABLE ELECTRONICS
- HOME THEATER SYSTEMS
- NETWORKING EQUIPMENT
- FACTORY EQUIPMENT
- LAB FREEZERS/COOLERS
- ROBOTICS
- FURNACE FANS
- ELEVATORS
- OFFICE EQUIPMENT
- SECURITY SYSTEMS
- AUDIO/VISUAL EQUIPMENT
- PROCESSING EQUIPMENT

HALL-EFFECT TECHNOLOGY

- NON-CONTACT
- LINEAR VOLTAGE OUTPUT
- SOLID-STATE RELIABILITY
- DYNAMIC, SELF-ADJUSTING
- DETECTS COURSE PITCH GEARS (0-32)
- DETECTS NON-STANDARD GEARS
- DETECTS NON-GEAR FERROUS TARGETS
- MODULAR FEATURES & FUNCTIONALITY
- TRUE ZERO-SPEED DETECTION
- LOWER COST OEM DESIGNS
- SWITCH OUTPUT AVAILABLE
- DETECTS THROUGH NONFERROUS MATERIAL
- SHOCK AND VIBRATION RESISTANT
- OUTPUT OVER 360 DEGREES OF ROTATION
- INTERNAL HYSTERESIS, BOUNCE FREE
- STABLE OVER WIDE TEMPERATURE RANGE

REED TECHNOLOGY

- VERY SMALL SIZE AND PROFILE
- MINIMAL POWER CONSUMPTION
- PERFECT ISOLATION BETWEEN CONTROL & LOAD CIRCUIT
- LOW AND HIGH LEVEL LOAD SWITCHING POTENTIAL
- LONG LIFE, BILLIONS (10⁹) OF OPERATIONS (LOAD RELIANT)
- MULTI-POLE CONFIGURATIONS UP TO 8 POLES
- FORM A, B, C, AND E VERSIONS
- STABLE LOW CONTACT RESISTANCE <150 MΩ
- HIGH FREQUENCY SIGNALS
- LOW THERMAL OFFSET VOLTAGE <1μV
- HIGH INSULATION RESISTANCE >10¹⁴ Ω
- ABILITY TO SWITCH UP TO 10,000 VDC
- BREAKDOWN VOLTAGES/DIELECTRIC STRENGTH UP TO 15 KVDC
- CARRY CURRENTS TO 5 AMPS CONTINUOUS (10 AMPS PULSED)
- SHOCK RESISTANT TO 100 G, VIBRATIONS 50-2,000 HZ AT 20 G
- HERMETICALLY SEALED SWITCHES
- OPERATE TIMES IN THE 3 MS TO 500 MS RANGE
- SUITABLE FOR HIGH DENSITY MATRIX ASSEMBLY
- WIDE ARRAY OF COIL RESISTANCES
- NUMEROUS PACKAGE STYLES AND PIN-OUTS

RENEWABLE ENERGY

- WIND TURBINE
- POWER DISTRIBUTION
- SOLAR INVERTERS
- PV SYSTEM ISOLATION CONTROL
- SOLAR BATTERY MANAGEMENT



KEY COMPONENTS



GEAR TOOTH SENSOR

Gear tooth sensor coupled with parking sensor to detect unwanted wheel rolling and engagement of safety brake.



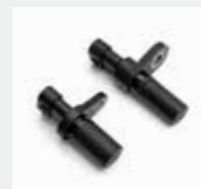
ANGLE POSITION SENSOR

Angle position sensor to detect rotation of linkages and brackets.



EV ISOLATION RELAYS

KT & MHV Reed Relays are designed for High Voltage Battery Management Systems in E-Vehicles, Solar Invertors or Energy System Storage.



GEAR TOOTH SENSOR

Gear tooth sensor for detecting the rotation and speed of shafts, gears, wheels, and engine RPMs.



REED/HALL SENSOR

MK04/MH04 proximity sensor detects if lids, compartments or doors are open. Draws no power in its normally open state (Reed).



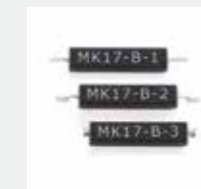
REED PROXIMITY SENSOR

Reed proximity sensor can detect engagement of pedals, parking brake, or locking systems. Draws no power in its normally open state.



REED FLOAT SENSOR

The LS04 Series Reed Float Sensor alerts when the coolant level is at a critical low point or multiple points as needed.



SMD REED SENSOR

Reed switch and over molded reed switches available to operate on/off lights, compartment openings, and alarm systems.

ADVANCED MAGNETIC SENSING

OUR VERSATILE ENGINEERING EXPERTISE IN MAGNETIC SENSING TECHNOLOGIES AND CUSTOM PACKAGING ALLOWS US TO BE A ONE-STOP-SHOP FOR YOUR SENSING REQUIREMENTS.

SENSING TECHNOLOGIES

REED

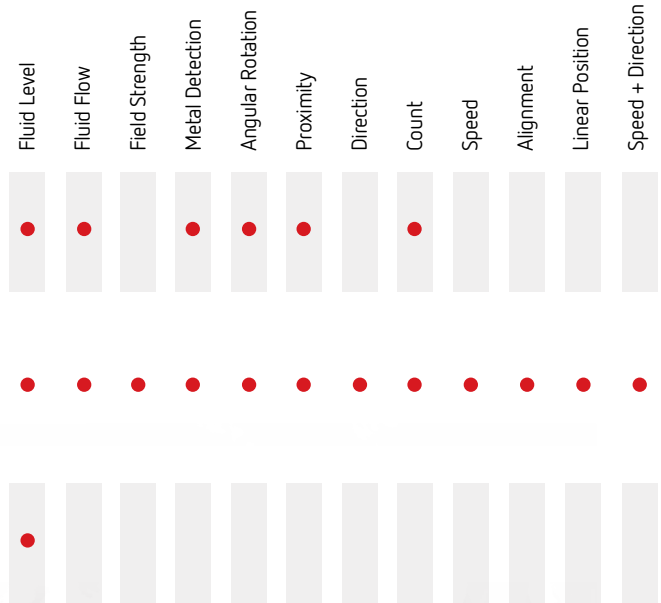
- World leader in reed technology
- No power required
- Cost effective solution
- Reliable 2-wire device
- High isolation
- > 50 million in automotive applications

HALL EFFECT

- Sensor Solutions, Inc. products added 3/22
- Digital or analog outputs
- Programmable
- Patented level sensor
- Power consumption in low mA

CONDUCTIVE/ CAPACITIVE

- Continuous fluid level analog output
- Solid state reliable with no moving parts
- Handles wide temperature range



Standex Electronics
Worldwide Headquarters
 4150 Thunderbird Lane
 Fairfield, OH 45014 USA
 +1.866.STANDEX (782.6339)
info@standexelectronics.com

StandexMeder Europe (Germany)
 +49.7733.9253.200
salesemea@standexelectronics.com

Standex-Meder Asia (Shanghai)
 +86.21.37606000
salesasia@standexelectronics.com

Standex Electronics India (Chennai)
 +91.98867.57533
salesindia@standexelectronics.com

Standex Electronics Japan (Kofu)
 +81.42.698.0026
sej-sales@standex.co.jp

