



PARTNER | SOLVE | DELIVER®

CONSTRUCTION

CUSTOM SWITCHING & SENSING SOLUTIONS

Engineered Smarter & More Efficient for the Long Haul



CONSTRUCTION

SENSORS' DURABILITY, VERSATILITY MAKE THEM IDEAL IN CONSTRUCTION EQUIPMENT

LOADERS - BACKHOE, SKID STEER, TRACK, MATERIAL HANDLER

- WORKING HEIGHT
- DISTANCE
- SPEED
- DIRECTION
- BUCKET ANGLE
- FUEL CONTENTS
- PRESSURE
- FLOW RATE

MINING - SHOVELS, DRILLS, DRAGLINES, PIPELAYERS

- FUEL CONTENTS
- DEPTH TRACKING
- CAMERA ANGLE
- LEVELING ARM
- DRILL SPEED
- FLOW RATE OF COOLING SYSTEM
- FLOW RATE OF CLEANING AGENTS

BULLDOZERS, EXCAVATORS, SCRAPERS, OFF-HIGHWAY TRUCKS

- WORKING HEIGHT (BUCKET, BLADE)
- SPEED & DIRECTION (ONE SENSOR)
- MOTOR REVS
- POWER TAKE OFF REVS
- TORQUE POSITION
- DIRECTION
- CABIN CONTROLS
- DISTANCE
- SPEED



FLOW SENSORS

- RATE OF HYDRAULIC FLUID
- RATE OF COOLING AGENTS
- RATE OF AC FLUID
- RATE OF WATER DELIVERY

LEVEL SENSORS

- FUEL
- COOLANT
- POWER STEERING
- DIFF GEARBOX OIL
- HYDRAULIC OIL
- BRAKE FLUID
- OIL LEVEL

POSITION SENSORS

- WHEEL POSITION
- LINKAGE POSITION
- TILT LOADER ARM
- RIPPER/BLADE HEIGHT
- SEAT BELT
- DRIVER SEAT START PROTECTION
- DOOR OPEN/CLOSE
- SEAT/ARMREST POSITION
- AUGER ANGLE
- BOOM SWING STOP
- BUCKET/GRAPPLE/CLAMSHELL POSITION
- LOAD LINE POSITION
- COUNTERWEIGHT POSITION
- JOYSTICK AND CONTROLS

SPEED SENSORS

- VEHICLE SPEED
- MACHINE SWING SPEED
- BOOM SWING SPEED
- UNLOADING AUGER SPEED
- AUGER SPEED
- UNDERCARRIAGE TRAVEL SPEED

PAVERS, GRADERS, PLANERS, ROLLERS, COMPACTORS

- DISPERSION AUGER
- DRUM ROTATION & SPEED
- WATER CLEANING SYSTEM FLOW & LEVEL



KEY COMPONENTS



GEAR TOOTH SENSOR

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



EV ISOLATION RELAYS

KT & MHV Series Reed relays measure high isolation EV Battery Management Systems.



REED PROXIMITY SENSOR

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



REED FLOAT SENSOR

Single point low fluid level sensor. Coupled with a grommet these sensors are easily pressfit installed into blow molded bottles.



ANGLE POSITION SENSOR

Angle position sensor to detect rotation of linkages and brackets.



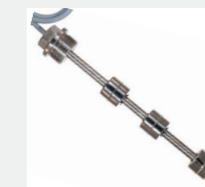
GEAR TOOTH SENSOR

Gear tooth sensor for detecting the rotation and speed of tools such as buckets, scoops, and engine RPMs.



REED/HALL SENSOR

Reed and Hall Effect sensor used for brake pedal actuation and break by wire analog output.



REED FLOAT SENSOR

The LS05 Series Reed Float Sensor alerts when the coolant level is at a critical low point or multiple points as needed.

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

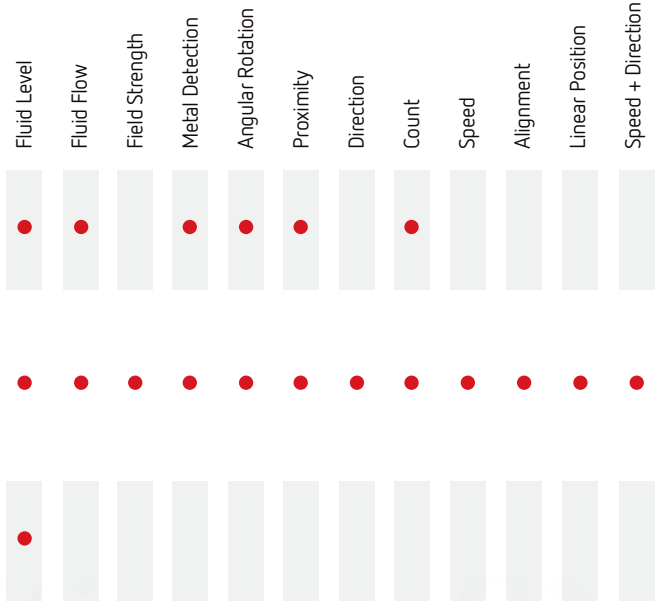
- World leader in reed technology
- No power required
- Cost effective solution
- Reliable 2-wire device
- High isolation
- > 50 million in automotive applications

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

