

CONSTRUCTION & AGRICULTURE

CUSTOM SWITCHING & SENSING SOLUTIONS

Engineered Smarter & More Efficient for the Long Haul

Standex DETECT Electronics

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



PAVERS, GRADERS, PLANERS, ROLLERS, COMPACTORS

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

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

IATF 16949 CERTIFIED · ISO 9001 CERTIFIED · ITAR · NIST · AS9100 CERTIFIED

KEY COMPONENTS



GEAR TOOTH SENSOR
Gear 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 Series Reed relays measure high isolation EV Battery Management Systems.



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



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



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



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



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.

AGRICULTURE

SENSORS' LONGEVITY, VERSATILITY MAKE THEM IDEAL IN AGRICULTURE

ELECTRONIC CONTROL UNIT HOE

- WORKING HEIGHT
- DISTANCE
- SPEED
- DIRECTION

ELECTRONIC CONTROL UNIT SPRAYER

- FUEL CONTENTS
- PRESSURE
- FLOW RATE
- BOOM SECTIONS
- WORKING WIDTH
- FLOW RATE OF PUMP
- FLOW RATE OF AGENTS, BOOM SECTIONS
- HITCH CONTROL (HEIGHT OF SPRAYER BOOM)
- PTO REVOLUTIONS

ELECTRONIC CONTROL UNIT TRACTOR

- WORKING HEIGHT
- DISTANCE
- SPEED
- MOTOR REVS
- POWER TAKE OFF REVS
- TORQUE POSITION
- DIRECTION
- SPEED & DIRECTION (ONE SENSOR)



MECHANICAL SPREADER

- FEEDING SYSTEM
- CABIN, PEDAL, LEVER, GPS, INSTRUMENT PANEL
- THRESHING AND SEPARATING
- CLEANING SYSTEM
- UNLOADING AUGER
- PIVOTING SPOUT

FLOW SENSORS

- RATE OF PUMP
- RATE OF AGENTS
- BOOM SECTIONS

LEVEL SENSORS

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

SPEED SENSORS

- VEHICLE SPEED
- HARVESTER ELEVATOR SPEED
- FAN SPEED
- CHOPPER SPEED
- UNLOADING AUGER SPEED
- CLEANING AUGER SPEED

POSITION SENSORS

- WHEEL POSITION
- LINKAGE POSITION
- COUNTER KNIFE POSITION
- DOOR OPEN/CLOSE
- SPOUT ANGLE

IATF 16949 CERTIFIED · ISO 9001 CERTIFIED · ITAR · NIST · AS9100 CERTIFIED

KEY COMPONENTS



GEAR TOOTH SENSOR
Gear 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 Series Reed relays measure high isolation in EV Battery Management Systems.



GEAR TOOTH SENSOR
Gear tooth sensor for detecting the rotation and speed of the threshing function.



REED PROXIMITY SENSOR
Reed proximity sensor detects if the cab door is open. Draws no power in its normally open state.



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



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



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.

A Standex **Electronics** Business

V2 | 251107

standexdetect.com