OEM
SOLUTIONS

United Electric Controls manufacturers cost-effective pressure and temperature switches, pressure transmitters and temperature sensors for challenging OEM applications. Whether the need is for a switch or sensor, our application engineers work with OEM customers to assure reliable and cost-effective solutions. We offer the industry's broadest selection of standard products and we'll work to develop customized models that precisely match your requirements.

UE UNITED ELECTRIC CONTROLS

UE ADVANTAGE

COST EFFECTIVE – match precise operating specifications while eliminating unnecessary features. A variety of enclosure options are available, along with the ability to customize, to meet your requirements.

REDUCE INVENTORY – our lean manufacturing processes assure that we deliver the right quantity when you need it, reducing your inventory and total cost.

SIZED TO FIT – we offer a variety of compact models for wherever space is restricted. Whether you need open frame or enclosed models or the ability to customize, UE can provide the solution for your challenging applications.

IMPROVE SPEED TO MARKET – reducing time-to-market for new products is critical to ROI. Contact our experienced Application Support Group at 617-923-6977 or email techsales@ueonline.com.

Need to Pick a Product Now? Visit the UE Product Selector at www.ueonline.com/productselector

Challenge: How do we measure the temperature of a refrigerator coil, while protecting the sensor from failure due to moisture/ice build-up?

Solution: Work with our Sales Engineers to customize a sensor to meet your specific needs. Our proven solutions for humidity and ice build-up can be adapted to your requirements for size, easy mounting and wiring consideration.

Challenge: How do we assure that temporary vacuum on pump start-up does not damage the sensor or cause leakage?

Solution: Select the space-saving J54S pressure switch with a sealed welded sensor and no o-rings that maintains operating specifications and sensor integrity when subjected to temporary vacuum.

Challenge: How do we cost-effectively protect a chiller without impeding the flow stream and assure safe refrigerant flow?

Solution: Select the compact 24 Series DP switch, installed on the refrigerant line, actuating to either alarm or shut down the chiller should differential pressure indicate flow has dropped below a safe level.

APPLICATION EXAMPLES

Filters	HVAC	Autoclaves
Balers	Filtration	Gas Boilers
Valves	Sterilizers	Blast Freezers
Motors	Gear Boxes	Storage Tanks
Reservoirs	Fluid Power	Plasma Cutters
Lubricators	Medical Gas	Lab Equipment
Scissor Lifts	Industrial Ovens	Rooftop Chillers
Accumulators	Food Processing	Milling Machines
Sealing Devices	Fire Suppression	Commercial Dryers
Hydraulic Pumps	Water Purification	Robotics Manufacturing
Hydraulic Lube Systems	Compressor Stations	Commercial Dishwashers

Challenge: We need a high pressure switch that can withstand external moisture and provides a wiring compartment for easy installation and wire termination.

Solution: Select the H100 with ranges up to 5,000 psi (344.7 bar) that features epoxy-coated die cast enclosure and gasketed cover that is removed from simple access to wiring and tamper-proof set point adjustment.

Challenge: We need a "plug and play" pressure switch that fits in very restricted space, that we can fine-tune the set point adjustment before shipment.

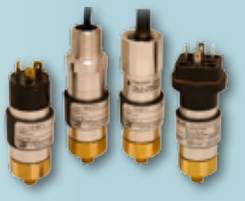
Solution: Select the compact 10 Series cylindrical pressure switch with snap-on DIN connector wiring to match up with your cabling for quick installation and easy-access set point.

Challenge: We need a rugged, cost-effective thermostat that mounts behind a panel and measures temperature inside a heated cabinet.

Solution: Select the model E55S thermostat with 6' of capillary to a remote sensor installed in the cabinet, with the head mounted to the back of the panel and the set point adjustment and dial accessible from the front.

10 SERIES

Compact, Cylindrical Pressure Switch



- Easy on-line pressure adjustment
- NEMA 1 & 4 enclosures
- SPDT switch output
- Variety of electrical termination and pressure connection options available
- Proof pressures up to 12,000 psi (825 bar)

24 SERIES

Pressure and Differential Pressure Switch

- Corrosion resistant molded NEMA 4 enclosure
- Brass, Teflon® or polysulfone wetted parts
- Terminal block wiring
- Our lowest cost differential pressure switch
- Ranges to 90 psi (6 bar), 45 psid (3 bar)

54 SERIES

Pressure and Temperature Switches

- NEMA 1 or open frame construction
- SPDT or dual switch outputs
- Reference dial or tamper-proof adjustment
- Ranges to 6000 psi (410 bar), 650°F (340°C)

55 SERIES

Temperature Switches

- NEMA 4 or open frame construction
- SPDT or dual switch output
- Panel or surface mount
- Copper or stainless steel bulb and capillary
- Ranges to 650°F (340°C)

100 SERIES

Pressure & Temperature Switches

- Epoxy-coated die cast aluminum enclosure
- Weather-tight constructions
- Wide variety of operating specifications and materials
- Easy installation and wiring
- Ranges to 5,000 psi (345 bar), 500 psid (35 bar), 650°F (340°C)

TEMPERATURE SENSOR ASSEMBLIES

Temperature Sensors

- RTD, thermistor, IC-chip and thermocouple-based sensors
- Custom designs for small to large OEM's
- High reliability at a low total cost
- Measurement from cryogenic temperatures to over 2000°C
- Find your sensor solution at www.appliedsensortech.com/productselector