

Some of the extensive Marke •Oil and Gas Production and Exp (on & off-shore) Food and Beverages • Pulp and Paper• •Chemical•

LEADS

Pharmaceutical

Petroleum Refining

ndustrial and Commercial Machinery.

ectronic Fauipment•

Pipelines

Power Generation

Ordnance

•Natural Gas Transmission and Distribution•

• Mining and Construction •

The Innovative DUAL-SNAP disc spring principle was initially developed by CCS





Founded in 1958, Custom Control Sensors introduced to the world an innovative range of products that revolutionised the accuracy, reliability and performance of mechanical sensing pressure and temperature switches used throughout industry.

An initiative by the founder of the company responding to problems experienced and reported in the aerospace industry led to the development of the CCS DUAL-SNAP switch principle.

Hitherto, convention was unreliable and erratic, tracing pumping variables and irregularities and every shock and vibration in the system being sensed and switching prematurely with set-point drift and reduced cycle life.

So successful was the CCS DUAL-SNAP negative rate disc-spring principle that it was widely adopted by the military and aerospace industries meeting their rigorous specifications and high quality expectations in these most technologically advanced and demanding of applications.

The same proven features and benefits and cost effective competitiveness are maintained in the CCS DUAL-SNAP industrial product range. As a world leader in this innovative technology our product is used internationally by the following industries Oil, Gas, Petrochemical, Chemical, Pharmaceutical, Power generating, Pulp and Paper, Hydraulic, Utilities, Transportation systems, Machinery and Machine tools.

For industrial hazardous area use product is certified by the following approved authorities, Underwriters Laboratories, Canadian Standards Association, CENELEC and BASEEFA.

The company is quality audited to ISO9OO2 by the Electrical Equipment Certification Service, United Kingdom and is fully committed to continual development of its products, manufacturing processes and materials to maintain the highest quality and reliability of the finished product.

We invite your consideration.



"Electrical termination options, all switches can be furnished to suit individual applications. We offer a choice of approved junction boxes, DIN connectors [weatherproof, compact models] or free leads."



A selection of some of our popular Industrial models

All CCS DUAL-SNAP Pressure and Temperature switch models are available with a choice of SPDT or DPDT micro-switches including Gold contacts for Intrinsically safe applications. All certified explosion-proof models have hermetically sealed electrical assemblies as standard.

Electrical termination options^{*}, all switches can be furnished to suit individual applications. We offer a choice of approved junction boxes, DIN connectors [weatherproof, compact models] or free leads.

On corrosive or sour service, wetted process parts can be supplied as standard in 316 Stainless steel, Monel or Hastelloy all in full compliance with the latest NACE [National Association of Corrosion Engineers] specifications. A choice of corresponding elastomer seals available.

Adjustable Pressures from 38 mmH2O to 11OO BarG [1 1.5" H2O to 16OOO PSIG]. Vacuum from 2.79 to 724 mmHg. Temperatures from -34 to 343°C.

6O4 Series

Pressure/Differential Pressure/Vacuum: Wide range Diaphragm and Piston versions Externally adjustable set-point Weatherproof - IP66 Pressure ranges O.O5 to 345 Bar [O.8 to 5000 PSI] Vacuum range 88 to 724 mmHg DP range O.O5 to 5.2 Bar [O.8 to 75 PSID] Process wetted parts standard options: Aluminium, Brass, 316SS, Monel and Hastelloy.

Temperature:

Direct mount and Capillary options Range from -34 to 343°C [-30 to 650°F] Standard capillary lengths 1.5, 3, 4.5 and 7.6 metres [5, 10, 15 and 25 ft.] Thermowells [for all series]: 316SS, .75" or .5" NPTM sizes with standard insertion lengths of 114, 190, 266 and 342 mm [4.5", 7.5", 10.5 and 13.5"] Flanged types on request.

646 Series*

Pressure/Differential Pressure/Vacuum: Wide range Diaphragm and Piston versions Externally adjustable set-point Explosion-proof certified to UL, CSA and/or BASEEFA - IP66 Pressure ranges O.O8 to 345 Bar [1.2 to 5OOO PSI] Vacuum range 88 to 724 mmHg DP range O.O8 to 5.2 BarD [1.2 to 75 PSID] Process wetted parts standard options: Aluminium, 316SS, Monel and Hastelloy.

Temperature:

Direct mount and Capillary options Range from -34 to 630°C [-30 to 630°F] Capillary lengths same as for 604 series.



WAIT 30 MINUTES BEFO



6900/6904/6905 Series*

Pressure/Differential Pressure:

Compact size wide range Diaphragm and Piston versions Flush Diaphragm Externally adjustable set-point Weatherproof and Explosion-proof options - IP66/67 Explosion-proof models certified to UL, CSA and CENELEC Pressure ranges O.21 to 11OO Bar [3 to 16OOO PSI] DP range [1.2 to 5.2 BarD] 1.2 to 75 PSID Process wetted parts options: Aluminium, 316SS, Monel and Hastelloy

Temperature:

Direct mount and Capillary options Range from -7 to 49°C [20 to 650°F] Capillary lengths same as for 604 models.

611 Series*

Pressure/Vacuum: Compact size low range Diaphragm Internally adjustable set-point Weatherproof and Explosion-proof options - IP66 Explosion-proof models certified to UL and CSA Pressure ranges O.1 to 12.4 Bar [1.5 to 18O PSI] Vacuum range 1O1 to 724 mmHg Process wetted parts options: Aluminium, Brass and 316 Stainless steel.

672/673/674 Series*

Differential Pressure: Low, medium and high range Diaphragm Factory set and externally adjustable set-point models Weatherproof and Explosion-proof IP66/67 Explosion-proof certified to UL, CSA and CENELEC Ranges O.48 to 55 BarD [7 to 800 PSID] Process wetted part options: Aluminium, 316SS.

6401/6403 Series

Pressure/Differential Pressure/Vacuum:

Wide range Diaphragm and Piston versions Externally adjustable set-point Explosion-proof certified to UL, CSA and CENELEC - IP66 Integral Junction box Pressure ranges O.O8 to 448 Bar [1.2 to 65OO PSI] Vacuum range 88 to 724 mmHg DP range O.O8 to 5.2 BarD [1.2 to 75 PSID] Process wetted parts standard options: 316SS, Monel and Hastelloy.

Temperature Capillary models Range -34 to 332°C [-30 to 630°F] Capillary lengths same as for 604 series.