



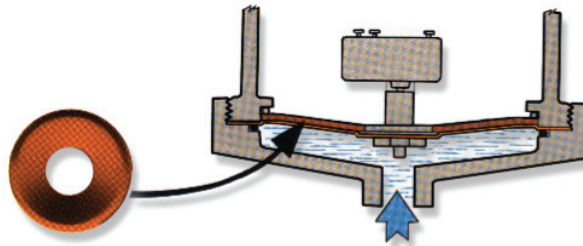
CustomControlSensors

Dual Snap®  
Pressure, Temperature and Liquid Flow

www.ccsdualsnap.com

Custom Control Sensors, Inc. (CCS) has been a global leader in the design, testing, manufacturing and supply of standard and custom pressure, temperature and flow switches for the Aerospace, Defense and Industrial markets since 1958. CCS switches are highly reliable devices that utilize a DUAL-SNAP® action disc spring principle pioneered by Custom Control Sensors over 50 years ago.

CCS' Industrial Division provides standard and custom switches for the industrial, chemical process, medical and energy markets. Certifications include ATEX, CE, CRN, CSA, GOST and UL.



CCS switches cover pressure ranges from .25" H<sub>2</sub>O to 16,000 psi. Switch service life ranges up to 500,000 operating cycles and proof pressures to 25,000 psi. CCS switches are designed to operate in ambient temperature ranges from -65°F to 450°F, withstand vibration up to 40G's at 3,000 Hz and shock loads up to 250G's.

**Functions:**

- Safety (Alarm / Shutdown)
- Monitor
- Control

**Features & Benefits:**

- High over pressure capability.
- Wide range of set points.
- Protection against environment.
- Vibration resistant.
- Set point accuracy. (Repeatable set points.)
- Hazardous Areas Certifications – UL / CSA / ATEX
- NACE MR0175:2003

**Time-Tested Solutions. Reduced Costs & Time.**

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**Exploration**

- Oil Platform
- Pump Jack
- Blow Out Preventor Skid



**Refining**

- Refinery
- Control / Annunciator Panel
- Relay Alarm System



**Transportation**

- Pipelines
- Pump Control



**Power Generation**

- Turbines
- Filtration

Distributed in China by  
Jiangyuan Automatic Control



www.jiangyuan.com.cn  
jyac@jiangyuan.com.cn



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**6900GZE / 6900PE  
Gage Pressure**

- Diaphragm Sensor
- Piston Sensor
- **Adjustable Range:**
  - 1-16,000 PSI
  - 0.07-1,103 BAR
  - 6.89-110,316 kPa
- **Proof Pressures up to:**
  - 25,000 PSI
  - 1,724 BAR
  - 172,369 kPa
- **Weight: 16-25 ounces (467-708 grams)**
- **Wetted material options for material capability**



**646GZE / Gage Pressure  
646DZE / Differential Pressure**

- Diaphragm Sensor
- **Adjustable Range:**
  - .4-5000 PSI
  - 0.028-345 BAR
  - 2.76-34474 kPa
- **Proof Pressures up to:**
  - 7500 PSI
  - 517 BAR
  - 51,711 kPa
- **Weight: 60 ounces (1700 grams)**
- **Wetted material options for material capability**



**672D  
Differential**

- Diaphragm Sensor
- **Adjustable Range:**
  - 2-150 PSI
  - 0.138-10.34 BAR
  - 13.8-1034 kPa
- **Proof Pressures up to:**
  - 4500 PSI
  - 310 BAR
  - 31,026 kPa
- **Weight: 67 ounces (1876 grams)**



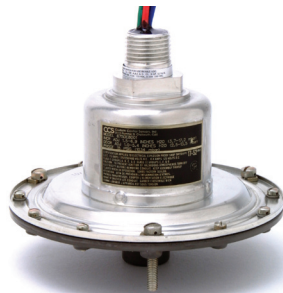
**673D  
Differential**

- Diaphragm Sensor
- **Adjustable Range:**
  - +0 deg F to +650 deg F
  - 18 deg C to +343 deg F
- **Maximum Probe Temperature up to 700 deg F (371 deg C)**
- **Weight: 29 ounces (1700 grams)**



**675G / Gage  
675D / Differential**

- Diaphragm Sensor
- **Adjustable Range:**
  - .75-180 PSI
  - 0.014-2.07 BAR
  - 1.4-207 kPa
- **Proof Pressures up to:**
  - 15 PSI
  - 1.03 BAR
  - 103 kPa
- **Weight: 25 ounces (708 grams)**



**6900TE / 6900TUE (Capillary)  
Temperature**

- Diaphragm Sensor
- **Adjustable Range:**
  - .2-30 PSI
  - 0.014-2.07 BAR
  - 1.4-207 kPa
- **Proof Pressures up to:**
  - 15 PSI
  - 1.03 BAR
  - 103 kPa
- **Weight: 21-29 ounces (595-822 grams)**



**611GZE  
Gage**

- Diaphragm Sensor
- **Adjustable Range:**
  - .75-180 PSI
  - .52-12.4 BAR
  - 5.17-1241 kPa
- **Proof Pressures up to:**
  - 1000 PSI
  - 68.9 BAR
  - 6895 kPa
- **Weight: 10-20 ounces (283-567 grams)**
- **Wetted material options for material capability**



**646TE / 646TUE (Capillary)  
Temperature**

- Diaphragm Sensor
- **Adjustable Range:**
  - 39 deg F to +630 def F
  - 39 deg C to +332 deg C
- **Maximum Probe Temperature up to 650 deg F (343 deg C)**
- **Weight: 68-71 ounces (1928-2013 grams)**
- **Wetted material options for material capability**

