



CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

604D* - Diaphragm Sensor

DESCRIPTION



- Highly reliable devices utilizing the CCS Dual-Snap® Belleville disc spring principle pioneered by CCS' engineers.
- Engineering based on aerospace technology.
- Rigid, midsize and internally adjustable for convenient field set point adjustment.
- Repeatable and stable set points.
- Vibration and shock resistant.
- High cycle life.
- High over-pressure capability. (System and Proof)
- High - low over high capability.
- Various options for wetted materials and electrical ratings to meet a wide range of application requirements and media compatibility.

SHIPPING WEIGHT: APPROXIMATELY 40 OUNCES (1134 GRAMS)

SERIES:

604D*

ADJUSTABLE SET POINT RANGE: DIFFERENTIAL PRESSURE:

0.3 to 75 PSID
0.02 to 5.17 bar
2.07 to 517 kPa

OPERATING TEMPERATURE:

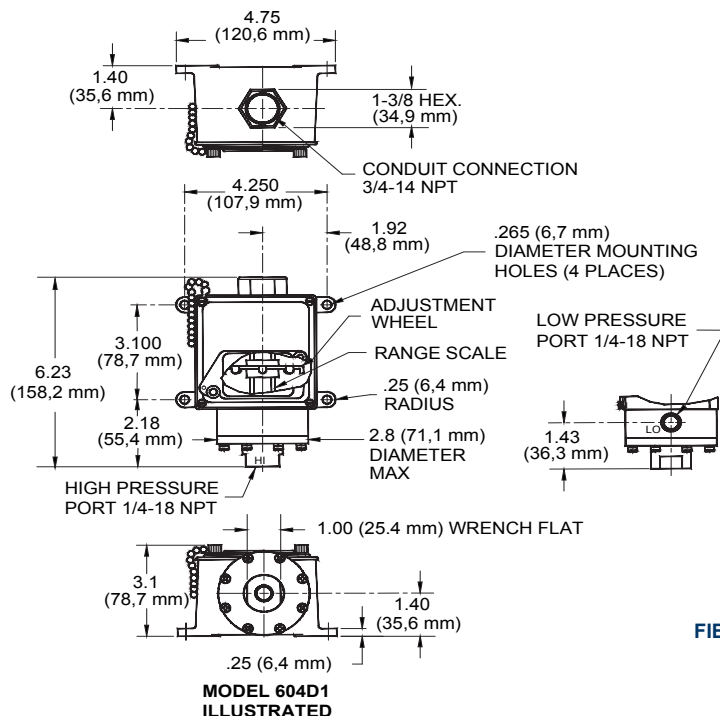
Temperature limits change with o-ring selection.

-40° to 186°F
-40° to 86°C

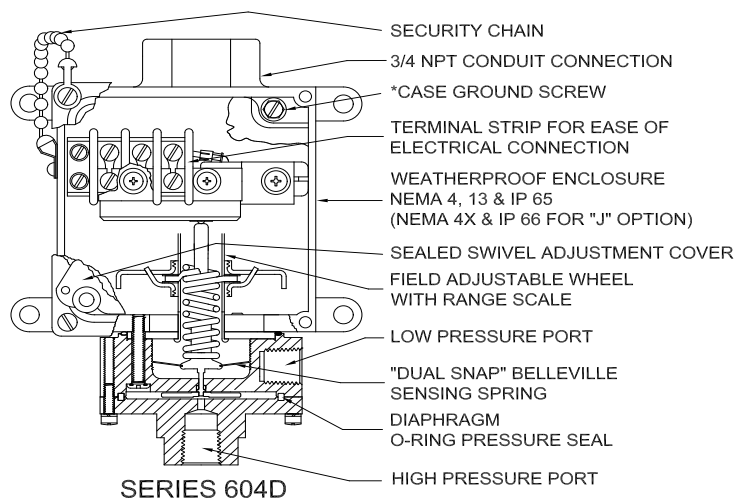
STANDARD FEATURES:

- CE Mark
- CRN
- CCC
- NEMA: 4, 13 / IP65
- Weatherproof
- Internal Case Ground
- U.L. Listed (File No. E72038) for standard units only

INSTALLATION DRAWING



DESIGN PRINCIPLES



FIELD SETTING: Open access cover. Adjust wheel as illustrated. Clockwise to increase settings. Counterclockwise to decrease settings.

NOTE: DO NOT USE ELECTRICAL HEX FOR TORQUING.





CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

604D* - Diaphragm Sensor

OPERATING AND ORDERING DATA

SERIES 604D*	WETTED PARTS: 1/4"-18 NPT ALUMINUM PRESSURE PORT, POLYIMIDE DIAPHRAGM, VITON O-RING						
	ADJUSTABLE SET POINT RANGE		APPROX. DEAD BAND PSI (BAR)	MAX SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)		
	INCREASING PRESSURE PSID (BAR)	DECREASING PRESSURE PSID (BAR)			BOTH PORTS SIMULT.	HIGH OVER LOW LOW OVER HIGH	
						HIGH	LOW
604D*1	1-18 (0.069-1.24)	.4-17.4 (0.02-1.2)	.6 (0.042)	400 (28)	750 (52)	750 (52)	400 (28)
604D*2	6-75 (0.42-5.17)	2-71 (0.14-4.9)	4 (0.28)				
604DM*1	1.4-18 (0.097-1.24)	0.5-17.1 (0.034-1.18)	.9 (0.062)				
604DM*2	6-75 (0.42-5.17)	2-71 (0.14-4.9)	4 (0.28)				
SERIES 604DZ*-7011	WETTED PARTS: 1/4"-18 NPT 300 STAINLESS STEEL PRESSURE PORT, STAINLESS STEEL DIAPHRAGM, VITON O-RING						
	ADJUSTABLE SET POINT RANGE		APPROX. DEAD BAND PSI (BAR)	MAX SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)		
	INCREASING PRESSURE PSID (BAR)	DECREASING PRESSURE PSID (BAR)			BOTH PORTS SIMULT.	HIGH OVER LOW LOW OVER HIGH	
						HIGH	LOW
604DZ*1-7011	2-18 (0.138-1.24)	.5-16.5 (0.034-1.14)	1.5 (0.103)	400 (28)	750 (52)	400 (28)	100 (6.9)
604DZ*2-7011	9-75 (0.62-5.2)	3-69 (0.21-4.76)	6 (0.414)				

HOW TO ORDER

Follow these steps to build your part number:

1. Specify the series based on your required set point, range, dead band, system pressure and proof pressure.
2. Add desired options model code letter.
3. Add the applicable standard suffix number.

(Ex: 604DM2-7008)

PRESSURE CONVERSION

1 BAR = 14.5 PSI
1 kPa = 0.145 PSI

OPTIONS MODEL CODES

F: Ethylene Propylene O-Ring
J: CSA Approved (File No. LR22665) (SPDT ONLY)
M: DPDT Electrical
X: Double Break Switching Element

OPTIONAL STANDARD MODIFIED SUFFIXES

7008: Gold Contacts

Note: Additional modified standard suffixes are available, consult CCS sales department or CCS Representative.

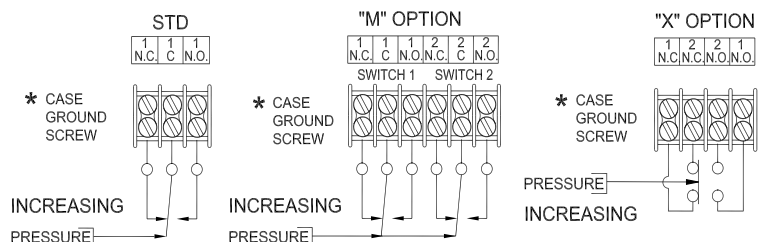
ELECTRICAL CHARACTERISTICS

RATING OF SWITCH ELEMENT

VOLTS	AMPERES			
	SPDT	DPDT "M"	Dbl Brk	"X"
	Res.	Res.	Res.	Res.
125 AC - 50/60 Hz	15	5	15	
250 AC - 50/60 Hz	15	5	15	
480 AC - 50/60 Hz	15	-	15	
28 DC	6	5	-	
125 DC	.5	.5	1	
250 DC	.2	-	.5	
*125 AC - 50/60 Hz	1 max	1 max	-	
*30 DC	1 max	1 max	-	

*Gold Contacts -7008 Suffix

SCHEMATIC AND WIRING CODE



CERTIFICATIONS

Consult CCS website for complete certification and approval listing.



CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

604G* - Diaphragm Sensor



DESCRIPTION

- Highly reliable devices utilizing the CCS Dual-Snap® Belleville disc spring principle pioneered by CCS' engineers.
 - Engineering based on aerospace technology.
 - Rigid, midsize and internally adjustable for convenient field set point adjustment.
 - Repeatable and stable set points.
 - Vibration and shock resistant.
 - High cycle life.
 - High over-pressure capability. (System and Proof)
- Various options for wetted materials and electrical ratings to meet a wide range of application requirements and media compatibility.

SHIPPING WEIGHT: APPROXIMATELY 39 OUNCES (1092 GRAMS)

SERIES:

604G*

ADJUSTABLE SET POINT RANGE:

0.3 to 5000 PSIG

0.02 to 345 bar

2.07 to 34474 kPa

OPERATING TEMPERATURE:

Temperature limits change with O-ring selection.

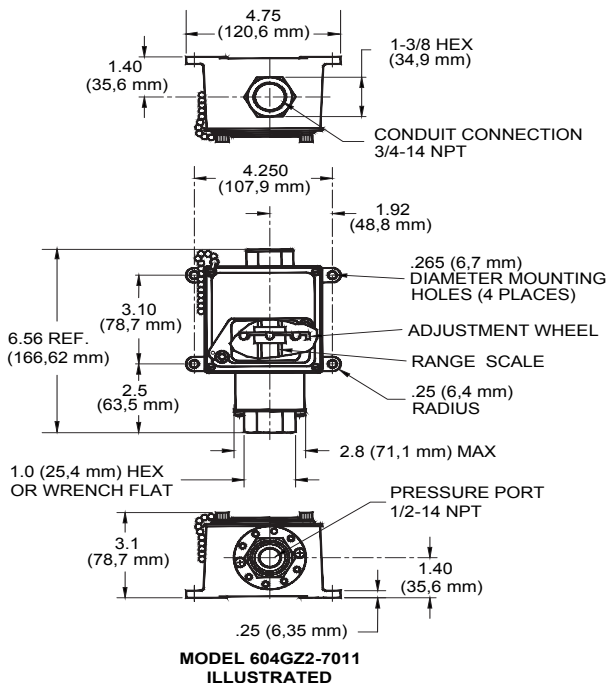
-40° to 186°F

-40° to 86°C

STANDARD FEATURES:

- CE Mark
- CRN
- CCC
- NACE MR0175 / ISO 15156
- NEMA: 4, 13 / IP65
- Weatherproof
- Internal Case Ground
- U.L. Listed (File No. E72038) for standard units only

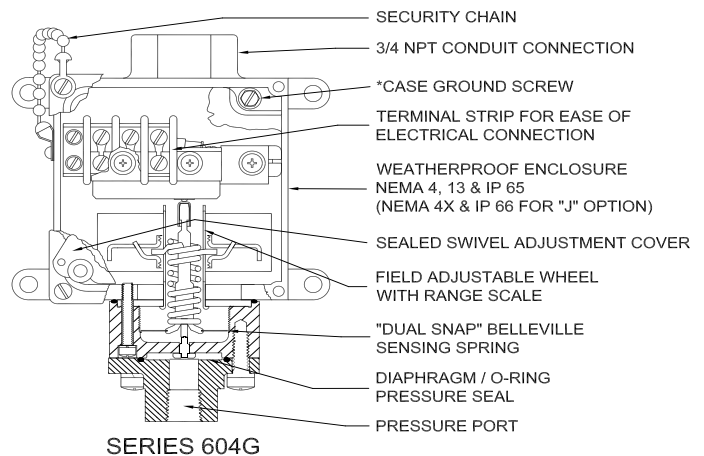
INSTALLATION DRAWING



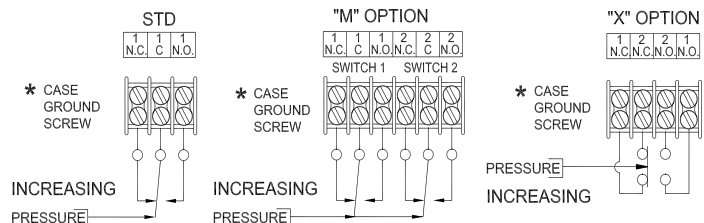
FIELD SETTING: Open access cover. Adjust wheel as illustrated. Clockwise to increase settings. Counterclockwise to decrease settings.

NOTE: DO NOT USE ELECTRICAL HEX FOR TORQUING.

DESIGN PRINCIPLES



SCHEMATIC AND WIRING CODE



ccsdualsnap.com



Models: 604G*, Page 1 of 2
Form 830G, 7.12.13

DUAL-SNAP®



CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

604G* - Diaphragm Sensor

OPERATING AND ORDERING DATA

SERIES 604G*	WETTED PARTS: 1/4"-18 NPT ALUMINUM PRESSURE PORT, POLYIMIDE DIAPHRAGM, BUNA N O-RING				
	ADJUSTABLE SET POINT RANGE		APPROX. DEAD BAND PSI (BAR)	SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)
	INCREASING PRESSURE PSIG (BAR)	DECREASING PRESSURE PSIG (BAR)			
604G*1	1-16 (0.07-1.1)	.3-15.3 (0.02-1.05)	.7 (0.05)	500 (34.5)	750 (51.7)
604G*M*1	1.2-18 (0.08-1.2)	.4-17.2 (0.03-1.18)	.8 (0.05)		
604G*2	8-75 (0.6-5.2)	3-70 (0.2-4.8)	5 (0.34)	3000 (207)	5000 (345)
604G*11	20-150 (1.4-10.3)	8-138 (0.6-9.5)	12 (0.8)		
604G*3	50-375 (3.5-25.9)	22-347 (1.5-23.9)	28 (1.9)		
604G*5	330-1000 (22.8-68.9)	265-935 (18.3-64.5)	65 (4.5)		
SERIES 604GZ*	WETTED PARTS: 1/2"-14 NPT 316 STAINLESS STEEL PRESSURE PORT, POLYIMIDE DIAPHRAGM, VITON O-RING				
	ADJUSTABLE SET POINT RANGE		APPROX. DEAD BAND PSI (BAR)	SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)
	INCREASING PRESSURE PSIG (BAR)	DECREASING PRESSURE PSIG (BAR)			
604GZ*1	1.2-16 (.08-1.1)	.4-15.2 (0.03-1.04)	.8 (0.05)	500 (34.5)	750 (51.7)
604GZ*M*1	1.2-16 (0.08-1.1)	.4-15.2 (0.03-1.04)	.8 (0.05)		
604GZ*2	8-75 (0.6-5.2)	3-70 (0.2-4.8)	5 (0.34)	3000 (207)	5000 (345)
604GZ*11	20-150 (1.4-10.3)	8-138 (0.6-9.5)	12 (0.8)		
604GZ*3	50-375 (3.5-25.9)	22-347 (1.5-23.9)	28 (1.9)		
604GZ*5	330-1000 (22.8-68.9)	265-935 (18.3-64.5)	65 (4.5)		
604GZ*7	950-2300 (65.5-159)	775-2125 (53.4-147)	175 (12.1)		
SERIES 604GZ*-7011	WETTED PARTS: 1/2"-14 NPT 316 STAINLESS STEEL PRESSURE PORT & DIAPHRAGM, VITON O-RING				
	ADJUSTABLE SET POINT RANGE		APPROX. DEAD BAND PSI (BAR)	SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)
	INCREASING PRESSURE PSIG (BAR)	DECREASING PRESSURE PSIG (BAR)			
604GZ*1-7011	1.4-16 (.09-1.1)	.4-15 (0.03-1.03)	1 (0.07)	500 (34.5)	750 (51.7)
604GZ*2-7011	10-75 (.7-5.2)	3-68 (0.2-4.7)	7 (0.5)	3000 (207)	5000 (345)
604GZ*11-7011	20-150 (1.4-10.3)	6-136 (0.4-9.4)	14 (0.97)		
604GZ*3-7011	50-375 (3.5-25.9)	16-341 (1.1-23.5)	34 (2.3)		
604GZ*5-7011	330-1000 (22.8-68.9)	250-920 (17.2-63.4)	80 (5.5)		
604GZ*7-7011	950-2300 (65.5-159)	750-2100 (51.7-145)	200 (13.8)	5000 (345)	7500 (517)
604GZ*9-7011	2100-3400 (145-234)	1820-3120 (126-215)	280 (19.3)		
604GZ*10-7011	3200-5000 (221-345)	2720-4520 (187.5-312)	480 (33.1)		

HOW TO ORDER

Follow these steps to build your part number:

1. Specify the series based on your required set point, range, dead band, system pressure and proof pressure.
2. Add desired options model code letter.
3. Add the applicable standard suffix number.

(Ex: 604GM1-7008)

PRESSURE CONVERSION

1 BAR = 14.5 PSI
1 kPa = 0.145 PSI

OPTIONS MODEL CODES

- A:** Viton® O-Ring (STD on GZ models)
C: 316 Stainless Steel Welded Capsule (Ranges 9 and 10 not available)
F: Ethylene Propylene O-Ring
J: CSA Approved (File No. LR22665) (SPDT ONLY)
M: DPDT Electrical
X: Double Break Switching Element

OPTIONAL STANDARD MODIFIED SUFFIXES

- 7008:** Gold Contacts
7023: Manual Reset after Increasing
7032: Viton Dacron Diaphragm and Viton® O-Ring (GZ models only)
7044: Monel Port and Diaphragm (GC models only)
7045: Hastelloy C-276 Port and Diaphragm (GC models only)
7044/7045: Ranges 1, 9 and 10 not available

- 7063:** 1/4 inch BSP and M20 Electrical Connection

Note: Additional modified standard suffixes are available, consult CCS sales department or CCS Representative.

CERTIFICATIONS

Consult CCS website for complete certification and approval listing.

ELECTRICAL CHARACTERISTICS RATING OF SWITCH ELEMENT

VOLTS	AMPERES		
	SPDT Res.	DPDT "M" Res.	Dbl Brk "X" Res.
125 AC - 50/60 Hz	15	5	15
250 AC - 50/60 Hz	15	5	15
480 AC - 50/60 Hz	15	-	15
28 DC	6	5	-
125 DC	.5	.5	1
250 DC	.2	-	.5
*125 AC - 50/60 Hz	1 max	1 max	-
*30 DC	1 max	1 max	-

*Gold Contacts -7008 Suffix

DUAL-SNAP®

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Models: 604G*, Page 2 of 2
Form 830G, 7.12.13



CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

604P* - Piston Sensor



DESCRIPTION

- Highly reliable devices utilizing the CCS Dual-Snap® Belleville disc spring principle pioneered by CCS' engineers.
 - Engineering based on aerospace technology.
 - Rigid, midsize and internally adjustable for convenient field set point adjustment.
 - Repeatable and stable set points.
 - Vibration and shock resistant.
 - High cycle life.
 - High over-pressure capability. (System and Proof)
- Various options for wetted materials and electrical ratings to meet a wide range of application requirements and media compatibility.
 - Well suited for high impulse hydraulic applications.

SHIPPING WEIGHT: APPROXIMATELY 35 OUNCES (992 GRAMS)

SERIES:

604P*

ADJUSTABLE SET POINT RANGE:

10 to 5000 PSIG

0.69 to 345 bar

68.9 to 34474 kPa

OPERATING TEMPERATURE:

Temperature limits change with O-ring selection.

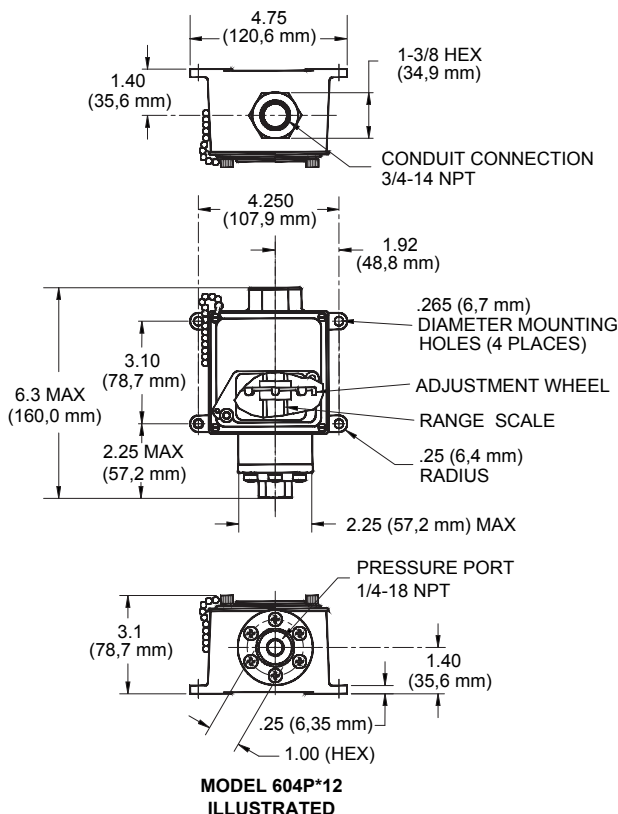
-40° to 186°F

-40° to 86°C

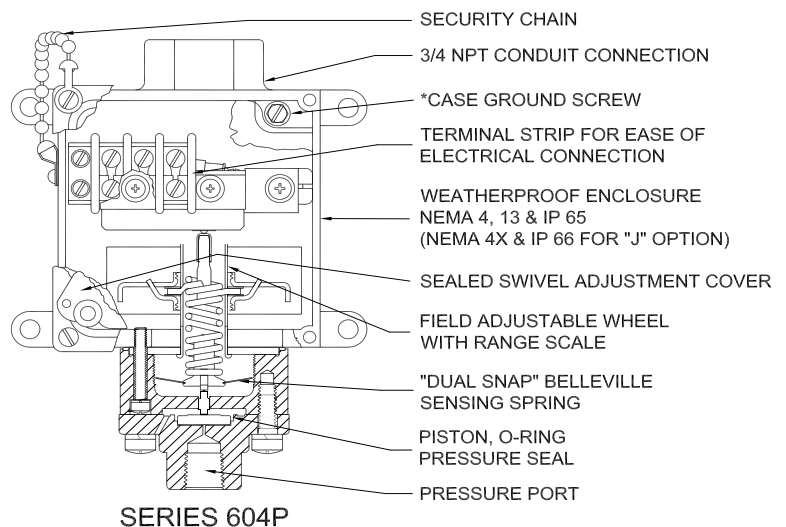
STANDARD FEATURES:

- CE Mark
- CRN
- CCC
- NACE MR0175 / ISO 15156
- NEMA: 4, 13 / IP65
- Weatherproof
- Internal Case Ground
- U.L. Listed (File No. E72038) for standard units only

INSTALLATION DRAWING



DESIGN PRINCIPLES



FIELD SETTING: Open access cover. Adjust wheel as illustrated. Clockwise to increase settings. Counterclockwise to decrease settings.

NOTE: DO NOT USE ELECTRICAL HEX FOR TORQUING.





CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

604P* - Piston Sensor

OPERATING AND ORDERING DATA

SERIES 604P*	WETTED PARTS: 1/4"-18 NPT ALUMINUM PRESSURE PORT, 400 STAINLESS STEEL PISTON, BUNA N O-RING/TEFLON				
	ADJUSTABLE SET POINT RANGE		APPROXIMATE DEAD BAND PSI (BAR)	SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)
	INCREASING PRESSURE PSIG (BAR)	DECREASING PRESSURE PSIG (BAR)			
604P*12	20-200 (1.4-13.8)	10-188 (0.68-12.9)	10-12 (0.68-0.83)	2000 (138)	3000 (207)
604P*15	170-1400 (11.7-96.5)	90-1230 (6.2-84.8)	80-170 (5.5-11.7)	3000 (207)	5000 (345)
604P*21	300-3000 (20.7-207)	180-2780 (12.4-192)	120-220 (8.3-15.2)	5000 (345)	7500 (517)
604P*31	2500-5000 (172-345)	2220-4520 (153-312)	280-480 (19.3-33.1)	7500 (517)	10,000 (690)

HOW TO ORDER

Follow these steps to build your part number:

1. Specify the series based on your required set point, range, dead band, system pressure and proof pressure.
2. Add desired options model code letter.
3. Add the applicable standard suffix number.

(Ex: 604PA31-7008)

PRESSURE CONVERSION

1 BAR = 14.5 PSI
1 kPa = 0.145 PSI

OPTIONAL STANDARD MODIFIED SUFFIXES

7008: Gold Contacts
7010: MS33649-4 Port
7023: Manual Reset after Increasing

OPTIONS MODEL CODES

A: Viton® O-Ring
F: Ethylene Propylene O-Ring
J: CSA Approved
(File No. LR22665)
(SPDT ONLY)
M: DPDT Electrical
X: Double Break Switching Element

CERTIFICATIONS AND APPROVALS

Consult CCS website for complete certification and approval listing.

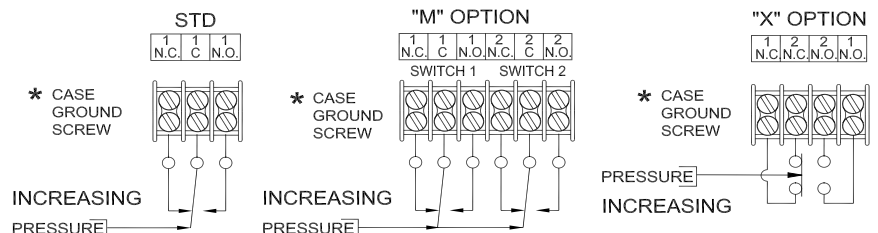
ELECTRICAL CHARACTERISTICS

RATING OF SWITCH ELEMENT

VOLTS	AMPERES		
	SPDT Res.	DPDT "M" Res.	Dbl Brk "X" Res.
125 AC - 50/60 Hz	15	5	15
250 AC - 50/60 Hz	15	5	15
480 AC - 50/60 Hz	15	-	15
28 DC	6	5	-
125 DC	.5	.5	1
250 DC	.2	-	.5
*125 AC - 50/60 Hz	1 max	1 max	-
*30 DC	1 max	1 max	-

*Gold Contacts -7008 Suffix

SCHEMATIC AND WIRING CODE





CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

604V* - 604GV* Diaphragm Sensor



DESCRIPTION

- Highly reliable devices utilizing the CCS Dual-Snap® Belleville disc spring principle pioneered by CCS' engineers.
- Engineering based on aerospace technology.
- Rigid, midsize and internally adjustable for convenient field set point adjustment.
- Repeatable and stable set points.
- Vibration and shock resistant.
- High cycle life.
- High over-pressure capability. (System and Proof)
- Various options for wetted materials and electrical ratings to meet a wide range of application requirements and media compatibility.
- Suitable for ultra low pressure and vacuum to pressure applications.

SHIPPING WEIGHT: APPROXIMATELY 40 OUNCES (1134 GRAMS)

SERIES:

604V*
604GV*

ADJUSTABLE SET POINT RANGE:

VACUUM:

1 to 28.5" Hg
25 to 724 mm Hg

CROSSOVER:

20" Hg Vacuum to 12 PSIG
508 mm Hg to 0.83 bar

OPERATING TEMPERATURE:

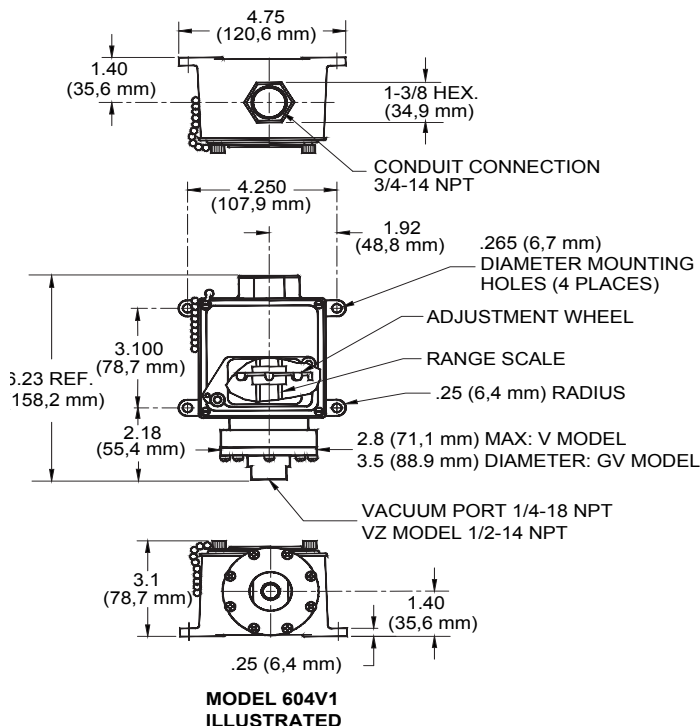
Temperature limits change with o-ring selection.

-40° to 186°F
-40° to 86°C

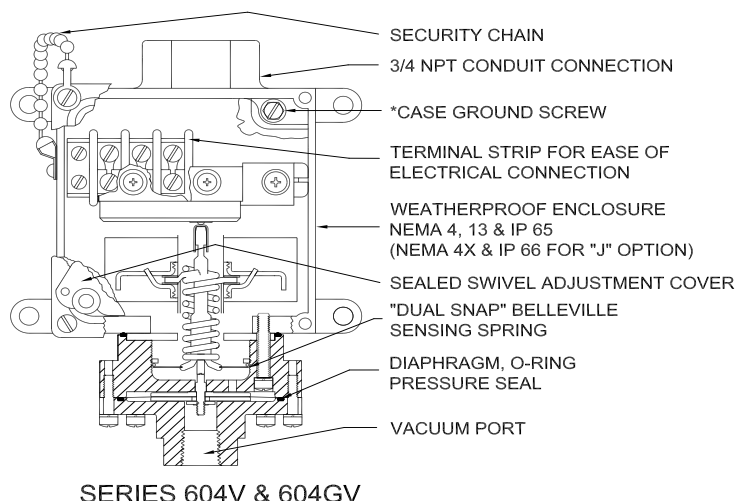
STANDARD FEATURES:

- CE Mark
- CRN
- CCC
- NEMA: 4, 13 / IP65
- Weatherproof
- Internal Case Ground
- U.L. Listed (File No. E72038) for standard units only
- NACE MR0175 / ISO 15156

INSTALLATION DRAWING



DESIGN PRINCIPLES



SERIES 604V & 604GV

FIELD SETTING: Open access cover. Adjust wheel as illustrated. Clockwise to increase settings. Counterclockwise to decrease settings.

NOTE: DO NOT USE ELECTRICAL HEX FOR TORQUING.





CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

604V* - 604GV* Diaphragm Sensor

OPERATING AND ORDERING DATA

SERIES 604V*	WETTED PARTS: 1/4"-18 NPT ALUMINUM PRESSURE PORT, POLYIMIDE DIAPHRAGM, BUNA N O-RING									
	ADJUSTABLE SET POINT RANGE				APPROX. DEAD BAND INCHES Hg (mm Hg)	SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)			
	INCREASING VACUUM INCHES Hg (mm Hg)		DECREASING VACUUM INCHES Hg (mm Hg)							
604V*1	3.5-28.5 (89-724)		1-26 (25-660)		2.5 (64)		150 (10.3)		250 (17.2)	
SERIES 604VZ*	WETTED PARTS: 1/2"-14 NPT 316 STAINLESS STEEL PRESSURE PORT, POLYIMIDE DIAPHRAGM, VITON O-RING									
	ADJUSTABLE SET POINT RANGE				APPROX. DEAD BAND INCHES Hg (mm Hg)	SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)			
	INCREASING VACUUM INCHES Hg (mm Hg)		DECREASING VACUUM INCHES Hg (mm Hg)							
604VZ*1	3.5-28.5 (89-724)		1-26 (25-660)		2.5 (64)		150 (10.3)		250 (17.2)	
SERIES 604GV* CROSSOVER (VACUUM TO GAGE)	WETTED PARTS: 1/4"-18 NPT ALUMINUM PRESSURE PORT, POLYIMIDE DIAPHRAGM, BUNA N O-RING									
	ADJUSTABLE SET POINT RANGE VACUUM INCHES Hg (mm Hg)		APPROX. DEAD BAND VACUUM INCHES Hg (mm Hg)		ADJUSTABLE SET POINT RANGE GAGE PRESSURE PSIG (BAR)		APPROX. DEAD BAND GAGE PRESSURE PSI (BAR)		SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)
	INCREASING VACUUM	DECREASING VACUUM	AT TOP OF RANGE	AT BOTTOM OF RANGE	INCREASING PRESSURE	DECREASING PRESSURE	AT TOP OF RANGE	AT BOTTOM OF RANGE		
604GV*2	1.5-18 (38-457)	0.5-17 (3-493)	1.0 (25)	1.0 (25)	1.0-10 (0.068-0.68)	0.5-9.5 (0.034-0.65)	0.5 (0.034)	0.5 (0.034)	500 (34.5)	750 (52)
SERIES 604GVZ* CROSSOVER (VACUUM TO GAGE)	WETTED PARTS: 1/4"-18 NPT STAINLESS STEEL PRESSURE PORT, POLYIMIDE DIAPHRAGM, VITON O-RING									
	ADJUSTABLE SET POINT RANGE VACUUM INCHES Hg (mm Hg)		APPROX. DEAD BAND VACUUM INCHES Hg (mm Hg)		ADJUSTABLE SET POINT RANGE GAGE PRESSURE PSIG (BAR)		APPROX. DEAD BAND GAGE PRESSURE PSI (BAR)		SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)
	INCREASING VACUUM	DECREASING VACUUM	AT TOP OF RANGE	AT BOTTOM OF RANGE	INCREASING PRESSURE	DECREASING PRESSURE	AT TOP OF RANGE	AT BOTTOM OF RANGE		
604GVZ*2	1.5-18 (38-457)	0.5-17 (3-493)	1.0 (25)	1.0 (25)	1.0-10 (0.068-0.68)	0.5-9.5 (0.034-0.65)	0.5 (0.034)	0.5 (0.034)	500 (34.5)	750 (52)

HOW TO ORDER

Follow these steps to build your part number:

1. Specify the series based on your required set point, range, dead band, system pressure and proof pressure.
2. Add desired options model code letter.
3. Add the applicable standard suffix number.

(Ex: 604GVZ2-7005)

PRESSURE CONVERSION

1 BAR = 14.5 PSI
1 kPa = 0.145 PSI

OPTIONS MODEL CODES

A: Viton® O-Ring (STD on VZ models)
F: Ethylene Propylene O-Ring
J: CSA Approved (File No. LR22665) (SPDT ONLY)
M: DPDT Electrical
X: Double Break Switching Element

OPTIONAL STANDARD MODIFIED SUFFIXES

7005: Viton/Dacron Diaphragm, Viton O-Ring & Stainless Steel Port Cap (Z Models only)
7008: Gold Contacts
7011: Stainless Steel Diaphragm

ELECTRICAL CHARACTERISTICS RATING OF SWITCH ELEMENT

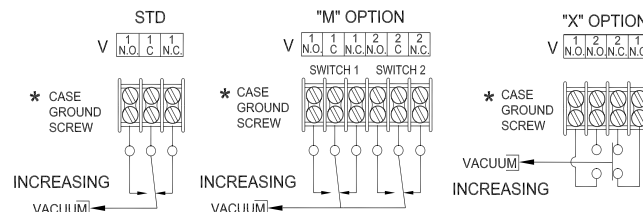
VOLTS	AMPERES			
	SPDT Res.	DPDT "M" Res.	Dbl Brk "X" Res.	
125 AC - 50/60 Hz	15	5	15	
250 AC - 50/60 Hz	15	5	15	
480 AC - 50/60 Hz	15	-	15	
28 DC	6	5	-	
125 DC	.5	.5	1	
250 DC	.2	-	.5	
*125 AC - 50/60 Hz	1 max	1 max	-	
*30 DC	1 max	1 max	-	

*Gold Contacts -7008 Suffix

Note: Additional modified standard suffixes are available, consult CCS sales department or CCS Representative.

SCHEMATIC AND WIRING CODE

Note: In gage mode, wiring diagram will be in reverse.



CERTIFICATIONS

Consult CCS website for complete certification and approval listing.

DUAL-SNAP®

ccsdualsnap.com

Models: 604V* & 604GV*, Page 2 of 2
Form 830G, 7.12.13



CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

605D* - Diaphragm Sensor



DESCRIPTION

- Highly reliable devices utilizing the CCS Dual-Snap® Belleville disc spring principle pioneered by CCS' engineers.
- Engineering based on aerospace technology.
- Rigid, midsize and internally adjustable for convenient field set point adjustment.
- Repeatable and stable set points.
- Vibration and shock resistant.
- High cycle life.
- High over-pressure capability. (System and Proof)
- High - low over high capability.
- Various options for wetted materials and electrical ratings to meet a wide range of application requirements and media compatibility.

SHIPPING WEIGHT: APPROXIMATELY 40 OUNCES (1134 GRAMS)

SERIES:

605D*

ADJUSTABLE SET POINT RANGE: DIFFERENTIAL PRESSURE:

0.4 to 75 PSID
0.02 to 5.17 bar
2.07 to 517 kPa

OPERATING TEMPERATURE:

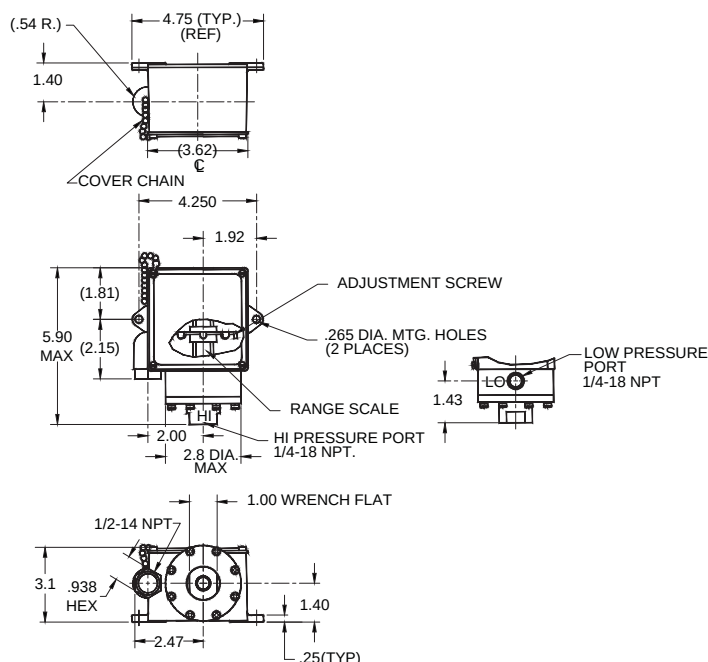
Temperature limits change with o-ring selection.

-40° to 186°F
-40° to 86°C

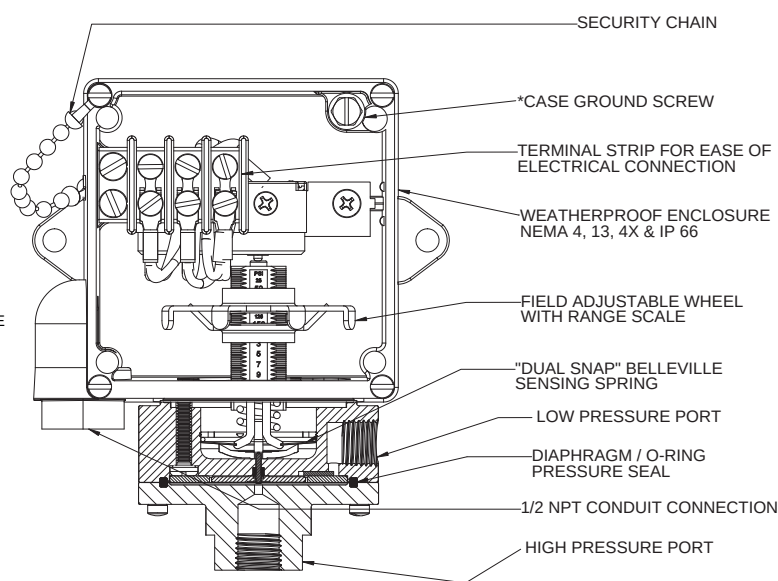
STANDARD FEATURES:

- CE Mark
- CRN
- CCC
- NEMA: 4,13, 4X / IP66
- Weatherproof
- Internal Case Ground

INSTALLATION DRAWING



DESIGN PRINCIPLES



SERIES 605D





CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

605D* - Diaphragm Sensor

OPERATING AND ORDERING DATA

SERIES 605D*	WETTED PARTS: 1/4"-18 NPT ALUMINUM PRESSURE PORT, POLYIMIDE DIAPHRAGM, VITON O-RING						
	ADJUSTABLE SET POINT RANGE		APPROX. DEAD BAND PSI (BAR)	MAX SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)		
	INCREASING PRESSURE PSID (BAR)	DECREASING PRESSURE PSID (BAR)			BOTH PORTS SIMULT.	HIGH OVER LOW LOW OVER HIGH	
						HIGH	LOW
605D*1	1-18 (0.069-1.24)	.4-17.4 (0.02-1.19)	.6 (0.042)	400 (28)	750 (52)	750 (52)	400 (28)
605D*2	6-75 (0.42-5.17)	2-71 (0.14-4.9)	4 (0.28)				
605DM*1	1.4-18 (0.097-1.24)	0.5-17.1 (0.034-1.18)	.9 (0.062)				
605DM*2	6-75 (0.42-5.17)	2-71 (0.14-4.9)	4 (0.28)				
SERIES 605DZ*-7011	WETTED PARTS: 1/4"-18 NPT 300 STAINLESS STEEL PRESSURE PORT, STAINLESS STEEL DIAPHRAGM, VITON O-RING						
	ADJUSTABLE SET POINT RANGE		APPROX. DEAD BAND PSI (BAR)	MAX SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)		
	INCREASING PRESSURE PSID (BAR)	DECREASING PRESSURE PSID (BAR)			BOTH PORTS SIMULT.	HIGH OVER LOW LOW OVER HIGH	
						HIGH	LOW
605DZ*1-7011	2-18 (0.138-1.24)	.6-16.6 (0.041-1.14)	1.4 (0.096)	400 (28)	750 (52)	400 (28)	100 (6.9)
605DZ*2-7011	9-75 (0.62-5.2)	3-69 (0.21-4.76)	6 (0.414)				

HOW TO ORDER

Follow these steps to build your part number:

1. Specify the series based on your required set point, range, dead band, system pressure and proof pressure.
2. Add desired options model code letter.
3. Add the applicable standard suffix number.

(Ex: 605DM2-7008)

PRESSURE CONVERSION

1 BAR = 14.5 PSI
1 kPa = 0.145 PSI

OPTIONS MODEL CODES

C: See 605DC catalog page
F: Ethylene Propylene O-Ring
M: DPDT Electrical
X: Double Break Switching Element

OPTIONAL STANDARD MODIFIED SUFFIXES

7008: Gold Contacts

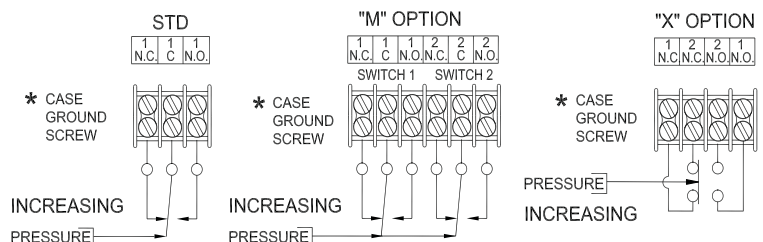
Note: Additional modified standard suffixes are available, consult CCS sales department or CCS Representative.

ELECTRICAL CHARACTERISTICS RATING OF SWITCH ELEMENT

VOLTS	AMPERES			
	SPDT	DPDT "M"	Dbl Brk	"X"
	Res.	Res.	Res.	Res.
125 AC - 50/60 Hz	15	5	15	
250 AC - 50/60 Hz	15	5	15	
480 AC - 50/60 Hz	15	-	15	
28 DC	6	5	-	
125 DC	.5	.5	1	
250 DC	.2	-	.5	
*125 AC - 50/60 Hz	1 max	1 max	-	
*30 DC	1 max	1 max	-	

*Gold Contacts -7008 Suffix

SCHEMATIC AND WIRING CODE



CERTIFICATIONS

Consult CCS website for complete certification and approval listing.



CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

605G* - Diaphragm Sensor



DESCRIPTION

- Highly reliable devices utilizing the CCS Dual-Snap® Belleville disc spring principle pioneered by CCS' engineers.
- Engineering based on aerospace technology.
- Rigid, midsize and internally adjustable for convenient field set point adjustment.
- Repeatable and stable set points.
- Vibration and shock resistant.
- High cycle life.
- High over-pressure capability. (System and Proof)
- Bottom electrical conduit prevents the entry of ambient moisture and lessens mounting interference.
- Suitable for cable gland entry.
- Various options for wetted materials and electrical ratings to meet a wide range of application requirements and media compatibility.

SHIPPING WEIGHT: APPROXIMATELY 39 OUNCES (1092 GRAMS)

SERIES:

605G*

ADJUSTABLE SET POINT RANGE:

0.3 to 5000 PSIG

0.02 to 345 bar

2.07 to 34474 kPa

OPERATING TEMPERATURE:

Temperature limits change with O-ring selection.

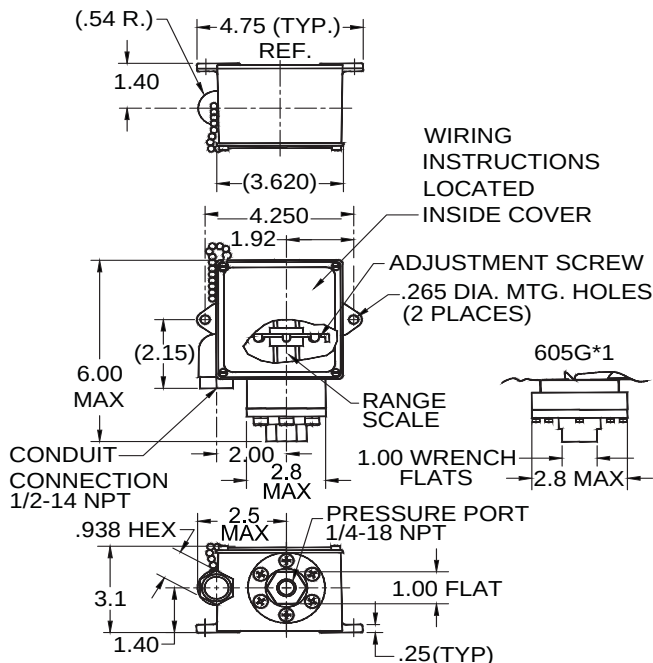
-40° to 186°F

-40° to 86°C

STANDARD FEATURES:

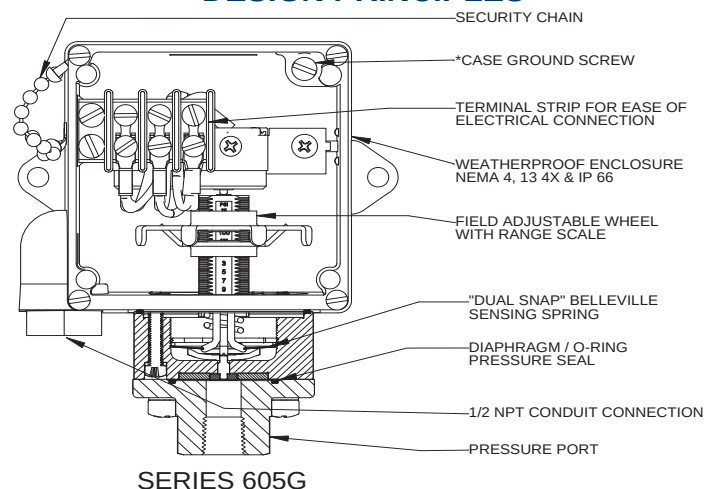
- CE Mark
- NACE MR0175 / ISO 15156
- NEMA: 4,13, 4X / IP66
- Weatherproof
- Internal Case Ground
- CRN
- CCC

INSTALLATION DRAWING

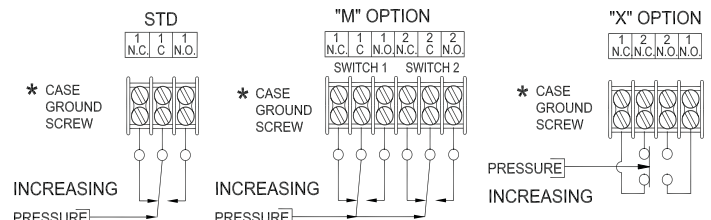


FIELD SETTING: Open access cover. Adjust wheel as illustrated. Clockwise to increase settings. Counterclockwise to decrease settings.

DESIGN PRINCIPLES



SCHEMATIC AND WIRING CODE



DUAL-SNAP®

ccsdualsnap.com



Models: 605G*, Page 1 of 2
Form 830G, 6.17.13



CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

605G* - Diaphragm Sensor

OPERATING AND ORDERING DATA

HOW TO ORDER

Follow these steps to build your part number:

1. Specify the series based on your required set point, range, dead band, system pressure and proof pressure.
2. Add desired options model code letter.
3. Add the applicable standard suffix number.

(Ex: 605GZM1-7032)

PRESSURE CONVERSION

1 BAR = 14.5 PSI
1 kPa = 0.145 PSI

OPTIONS MODEL CODES

- A:** Viton® O-Ring (STD on GZ models)
C: 316 Stainless Steel Welded Capsule (Ranges 9 and 10 not available)
F: Ethylene Propylene O-Ring
M: DPDT Electrical
X: Double Break Switching Element

SERIES 605G*	WETTED PARTS: 1/4"-18 NPT ALUMINUM PRESSURE PORT, POLYIMIDE DIAPHRAGM, BUNA N O-RING				
	ADJUSTABLE SET POINT RANGE		APPROX. DEAD BAND PSI (BAR)	SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)
	INCREASING PRESSURE PSIG (BAR)	DECREASING PRESSURE PSIG (BAR)			
605G*1	1-16 (0.07-1.1)	.3-15.3 (0.02-1.05)	.7 (0.05)	500 (34.5)	750 (51.7)
605G*M*1	1.2-18 (0.08-1.24)	.4-17.2 (0.02-1.18)	.8 (0.05)		
605G*2	8-75 (0.6-5.2)	3-70 (0.2-4.8)	5 (0.34)	3000 (207)	5000 (345)
605G*11	20-150 (1.4-10.3)	8-138 (0.6-9.5)	12 (0.8)		
605G*3	50-375 (3.5-25.9)	22-347 (1.5-23.9)	28 (1.9)		
605G*5	330-1000 (22.8-68.9)	265-935 (18.3-64.5)	65 (4.5)		
SERIES 605GZ*	WETTED PARTS: 1/2"-14 NPT 316 STAINLESS STEEL PRESSURE PORT, POLYIMIDE DIAPHRAGM, VITON O-RING				
	ADJUSTABLE SET POINT RANGE		APPROX. DEAD BAND PSI (BAR)	SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)
	INCREASING PRESSURE PSIG (BAR)	DECREASING PRESSURE PSIG (BAR)			
605GZ*1	1.2-16 (.08-1.1)	.4-15.2 (0.03-1.04)	.8 (0.06)	500 (34.5)	750 (51.7)
605GZ*M*1	1.2-16 (.08-1.1)	.4-15.2 (0.03-1.04)	.8 (0.06)		
605GZ*2	8-75 (0.6-5.2)	3-70 (0.2-4.8)	5 (0.34)	3000 (207)	5000 (345)
605GZ*11	20-150 (1.4-10.3)	8-138 (0.6-9.5)	12 (0.8)		
605GZ*3	50-375 (3.5-25.9)	22-347 (1.5-23.9)	28 (1.9)		
605GZ*5	330-1000 (22.8-68.9)	265-935 (18.3-64.5)	65 (4.5)		
605GZ*7	950-2300 (65.5-159)	775-2125 (53.4-147)	175 (12.1)		
SERIES 605GZ*-7011	WETTED PARTS: 1/2"-14 NPT 316 STAINLESS STEEL PRESSURE PORT & DIAPHRAGM, VITON O-RING				
	ADJUSTABLE SET POINT RANGE		APPROX. DEAD BAND PSI (BAR)	SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)
	INCREASING PRESSURE PSIG (BAR)	DECREASING PRESSURE PSIG (BAR)			
605GZ*1-7011	1.4-16 (.09-1.1)	.4-15 (0.03-1.03)	1 (0.07)	500 (34.5)	750 (51.7)
605GZ*2-7011	10-75 (.7-5.2)	3-68 (0.2-4.7)	7 (0.5)		
605GZ*11-7011	20-150 (1.4-10.3)	6-136 (0.4-9.4)	14 (0.97)	3000 (207)	5000 (345)
605GZ*3-7011	50-375 (3.5-25.9)	16-341 (1.1-23.5)	34 (2.3)		
605GZ*5-7011	330-1000 (22.8-68.9)	250-920 (17.2-63.4)	80 (5.5)		
605GZ*7-7011	950-2300 (65.5-159)	750-2100 (51.7-145)	200 (13.8)		
605GZ*9-7011	2100-3400 (145-234)	1820-3120 (126-215)	280 (19.3)	5000 (345)	7500 (517)
605GZ*10-7011	3200-5000 (221-345)	2720-4520 (187.5-312)	480 (33.1)		

OPTIONAL STANDARD MODIFIED SUFFIXES

- 7008:** Gold Contacts
7023: Manual Reset after Increasing
7032: Viton Dacron Diaphragm and Viton® O-Ring (GZ models only)
7044: Monel Port and Diaphragm (GC models only)
7045: Hastelloy C-276 Port and Diaphragm (GC models only)
7044/7045: Ranges 1, 9 and 10 not available

CERTIFICATIONS

Consult CCS website for complete certification and approval listing.

ELECTRICAL CHARACTERISTICS RATING OF SWITCH ELEMENT

VOLTS	AMPERES		
	SPDT Res.	DPDT "M" Res.	Dbl Brk "X" Res.
125 AC - 50/60 Hz	15	5	15
250 AC - 50/60 Hz	15	5	15
480 AC - 50/60 Hz	15	-	15
28 DC	6	5	-
125 DC	.5	.5	1
250 DC	.2	-	.5
*125 AC - 50/60 Hz	1 max	1 max	-
*30 DC	1 max	1 max	-

*Gold Contacts -7008 Suffix

Note: Additional modified standard suffixes are available, consult CCS sales department or CCS Representative.

DUAL-SNAP®

ccsdualsnap.com

Models: 605G*, Page 2 of 2
Form 830G, 6.17.13



CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

605P* - Piston Sensor



DESCRIPTION

- Highly reliable devices utilizing the CCS Dual-Snap® Belleville disc spring principle pioneered by CCS' engineers.
 - Engineering based on aerospace technology.
 - Rigid, midsize and internally adjustable for convenient field set point adjustment.
 - Repeatable and stable set points.
 - Vibration and shock resistant.
 - High cycle life.
 - High over-pressure capability. (System and Proof)
- Various options for wetted materials and electrical ratings to meet a wide range of application requirements and media compatibility.
 - Well suited for high impulse hydraulic applications.

SHIPPING WEIGHT: APPROXIMATELY 35 OUNCES (992 GRAMS)

SERIES:

605P*

ADJUSTABLE SET POINT RANGE:

10 to 5000 PSIG
0.69 to 345 bar
68.9 to 34474 kPa

OPERATING TEMPERATURE:

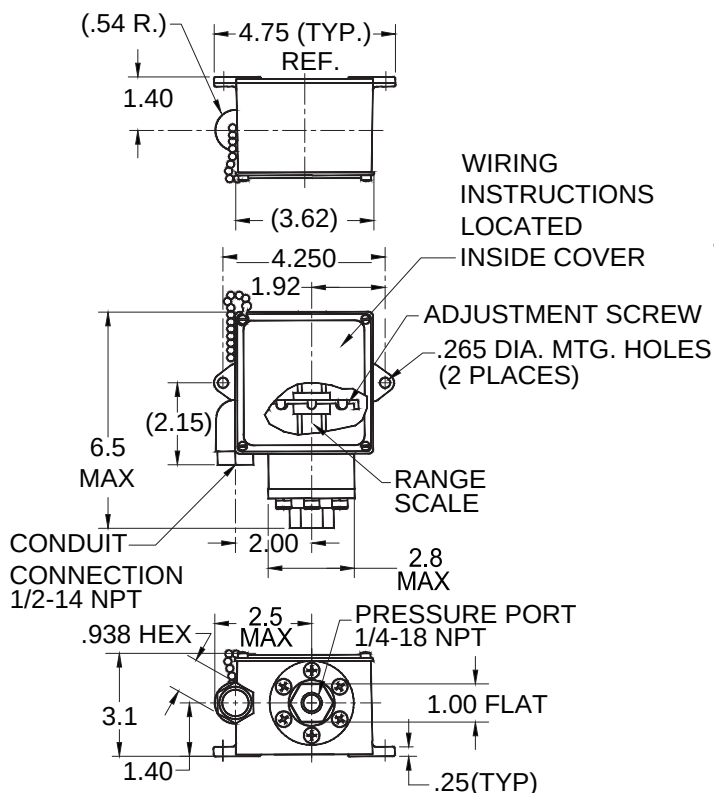
Temperature limits change with O-ring selection.

-40° to 186°F
-40° to 86°C

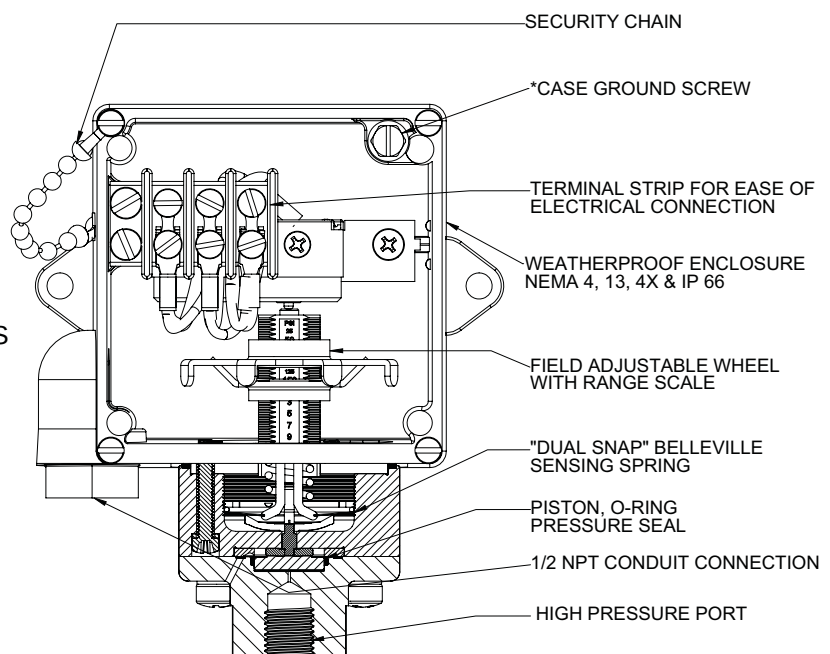
STANDARD FEATURES:

- CE Mark
- CRN
- CCC
- NACE MR0175 / ISO 15156
- NEMA: 4, 13, 4X / IP66
- Weatherproof
- Internal Case Ground

INSTALLATION DRAWING



DESIGN PRINCIPLES



SERIES 605P





CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

605P* - Piston Sensor

OPERATING AND ORDERING DATA

SERIES 605P*	WETTED PARTS: 1/4"-18 NPT ALUMINUM PRESSURE PORT, 400 STAINLESS STEEL PISTON, BUNA N O-RING/TEFLON				
	ADJUSTABLE SET POINT RANGE		APPROXIMATE DEAD BAND PSI (BAR)	SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)
	INCREASING PRESSURE PSIG (BAR)	DECREASING PRESSURE PSIG (BAR)			
605P*12	20-200 (1.4-13.8)	10-188 (0.68-12.9)	10-12 (0.68-0.83)	2000 (138)	3000 (207)
605P*15	170-1400 (11.7-96.5)	90-1230 (6.2-84.8)	80-170 (5.5-11.7)	3000 (207)	5000 (345)
605P*21	300-3000 (20.7-207)	180-2780 (12.4-192)	120-220 (8.3-15.2)	5000 (345)	7500 (517)
605P*31	2500-5000 (172-345)	2220-4520 (153-312)	280-480 (19.3-33.1)	7500 (517)	10,000 (690)

HOW TO ORDER

Follow these steps to build your part number:

1. Specify the series based on your required set point, range, dead band, system pressure and proof pressure.
2. Add desired options model code letter.
3. Add the applicable standard suffix number.

(Ex: 605PA31-7008)

PRESSURE CONVERSION

1 BAR = 14.5 PSI
1 kPa = 0.145 PSI

OPTIONAL STANDARD MODIFIED SUFFIXES

7008: Gold Contacts
7010: MS33649-4 Port
7023: Manual Reset after Increasing

OPTIONS MODEL CODES

A: Viton® O-Ring
F: Ethylene Propylene O-Ring
M: DPDT Electrical
X: Double Break Switching Element

CERTIFICATIONS AND APPROVALS

Consult CCS website for complete certification and approval listing.

ELECTRICAL CHARACTERISTICS

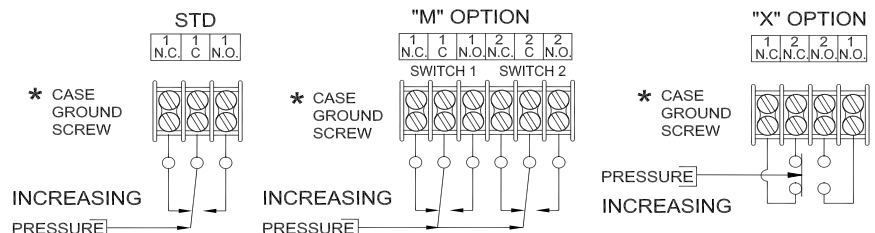
RATING OF SWITCH ELEMENT

VOLTS	AMPERES		
	SPDT	DPDT "M"	Dbl Brk "X"
	Res.	Res.	Res.
125 AC - 50/60 Hz	15	5	15
250 AC - 50/60 Hz	15	5	15
480 AC - 50/60 Hz	15	-	15
28 DC	6	5	-
125 DC	.5	.5	1
250 DC	.2	-	.5
*125 AC - 50/60 Hz	1 max	1 max	-
*30 DC	1 max	1 max	-

*Gold Contacts -7008 Suffix

SCHEMATIC AND WIRING CODE

Note: Additional modified standard suffixes are available, consult CCS sales department or CCS Representative.





CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

605V* Diaphragm Sensor



DESCRIPTION

- Highly reliable devices utilizing the CCS Dual-Snap® Belleville disc spring principle pioneered by CCS' engineers.
- Engineering based on aerospace technology.
- Rigid, midsize and internally adjustable for convenient field set point adjustment.
- Repeatable and stable set points.
- Vibration and shock resistant.
- High cycle life.
- High over-pressure capability. (System and Proof)
- Various options for wetted materials and electrical ratings to meet a wide range of application requirements and media compatibility.
- Suitable for ultra low pressure and vacuum to pressure applications.

SHIPPING WEIGHT: APPROXIMATELY 40 OUNCES (1134 GRAMS)

SERIES:

605V*

ADJUSTABLE SET POINT RANGE: VACUUM:

1 to 28.5" Hg
25 to 724 mm Hg

OPERATING TEMPERATURE:

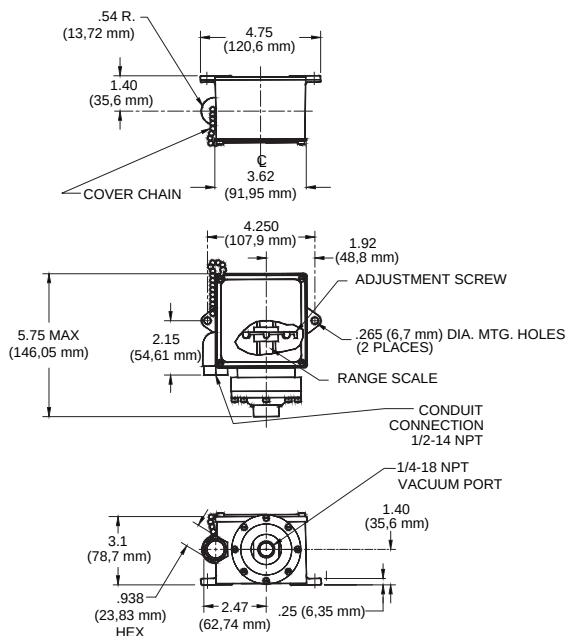
Temperature limits change with o-ring selection.

-40° to 186°F
-40° to 86°C

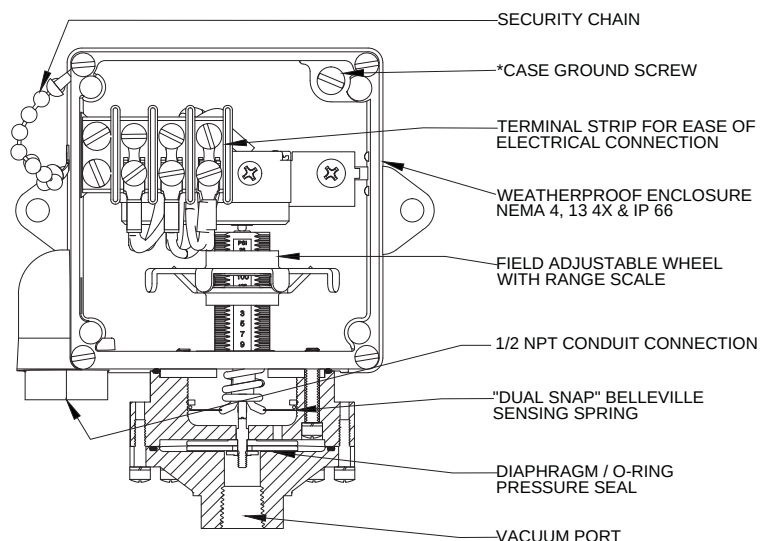
STANDARD FEATURES:

- CE Mark
- CRN
- NEMA: 4,13 / IP65
- Weatherproof
- Internal Case Ground
- U.L. Listed (File No. E72038)
- NACE MR0175 / ISO 15156

INSTALLATION DRAWING



DESIGN PRINCIPLES



SERIES 605V

FIELD SETTING: Open access cover. Adjust wheel as illustrated. Clockwise to increase settings. Counterclockwise to decrease settings.

NOTE: DO NOT USE ELECTRICAL HEX FOR TORQUING.





CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

605V* Diaphragm Sensor

OPERATING AND ORDERING DATA

SERIES 605V*	WETTED PARTS: 1/4"-18 NPT ALUMINUM PRESSURE PORT, POLYIMIDE DIAPHRAGM, BUNA N O-RING				
	ADJUSTABLE SET POINT RANGE		APPROX. DEAD BAND INCHES Hg (mm Hg)	SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)
	INCREASING VACUUM INCHES Hg (mm Hg)	DECREASING VACUUM INCHES Hg (mm Hg)			
605V*1	3.5-28.5 (89-724)	1-26 (25-660)	2.5 (64)	150 (10.3)	250 (17.2)
SERIES 605VZ*	WETTED PARTS: 1/2"-14 NPT 316 STAINLESS STEEL PRESSURE PORT, POLYIMIDE DIAPHRAGM, VITON O-RING				
	ADJUSTABLE SET POINT RANGE		APPROX. DEAD BAND INCHES Hg (mm Hg)	SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)
	INCREASING VACUUM INCHES Hg (mm Hg)	DECREASING VACUUM INCHES Hg (mm Hg)			
605VZ*1	3.5-28.5 (89-724)	1-26 (25-660)	2.5 (64)	150 (10.3)	250 (17.2)

HOW TO ORDER

Follow these steps to build your part number:

1. Specify the series based on your required set point, range, dead band, system pressure and proof pressure.
2. Add desired options model code letter.
3. Add the applicable standard suffix number.

(Ex: 604GVZ2-7005)

PRESSURE CONVERSION

1 BAR = 14.5 PSI
1 kPa = 0.145 PSI

OPTIONAL STANDARD MODIFIED SUFFIXES

7005: Viton/Dacron Diaphragm,
Viton O-Ring & Stainless
Steel Port Cap (Z Models only)

7008: Gold Contacts

7011: Stainless Steel Diaphragm

OPTIONS MODEL CODES

A: Viton® O-Ring
(STD on VZ models)
F: Ethylene Propylene
O-Ring
J: CSA Approved
(File No. LR22665)
(SPDT ONLY)
M: DPDT Electrical
X: Double Break
Switching Element

Note: Additional modified standard suffixes are available, consult CCS sales department or CCS Representative.

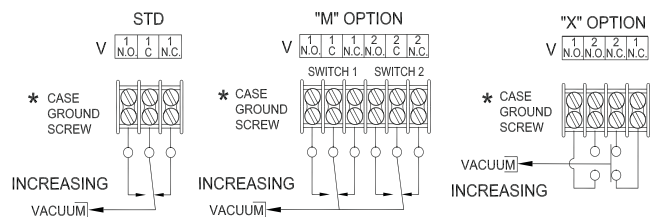
ELECTRICAL CHARACTERISTICS RATING OF SWITCH ELEMENT

VOLTS	AMPERES		
	SPDT	DPDT "M"	Dbl Brk "X"
	Res.	Res.	Res.
125 AC - 50/60 Hz	15	5	15
250 AC - 50/60 Hz	15	5	15
480 AC - 50/60 Hz	15	-	15
28 DC	6	5	-
125 DC	.5	.5	1
250 DC	.2	-	.5
*125 AC - 50/60 Hz	1 max	1 max	-
*30 DC	1 max	1 max	-

*Gold Contacts -7008 Suffix

SCHEMATIC AND WIRING CODE

Note: In gage mode, wiring diagram will be in reverse.



CERTIFICATIONS

Consult CCS website for complete certification and approval listing.



CustomControlSensors

Non-Hazardous Areas Adjustable / Pre-Set Pressure Switch

611G* & 611V* - Diaphragm Sensor



DESCRIPTION

- Highly reliable devices utilizing the CCS Dual-Snap® Belleville disc spring principle pioneered by CCS' engineers.
- Engineering based on aerospace technology.
- Rigid, compact and externally adjustable for factory setting or convenient field set point adjustment.
- Repeatable and stable set points.
- Vibration and shock resistant.
- High cycle life.
- High over-pressure capability.
- Various options for wetted materials and electrical ratings to meet a wide range of application requirements and media compatibility.

SHIPPING WEIGHT: APPROXIMATELY 10-20
OUNCES (283-567 GRAMS)

SERIES:

611G*
611GZ*
611V*

SET POINT RANGE:

GAGE PRESSURE:

.75 to 180 PSIG
.052 to 12.4 bar
5.17 to 1241 kPa

VACUUM:

1.5 to 28.5" Hg
38 to 724 mm Hg

OPERATING TEMPERATURE:

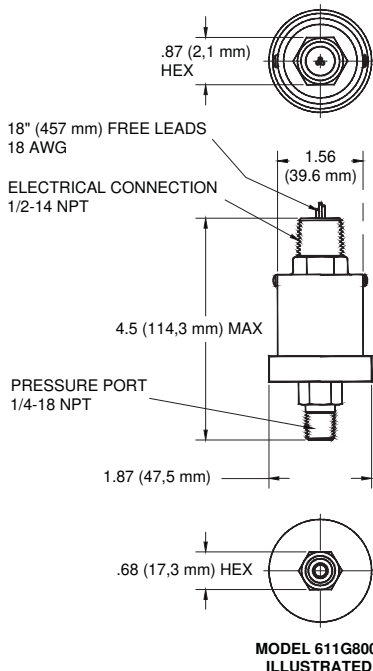
Temperature limits change with o-ring selection.

-40° to 186°F
-40° to 86°C

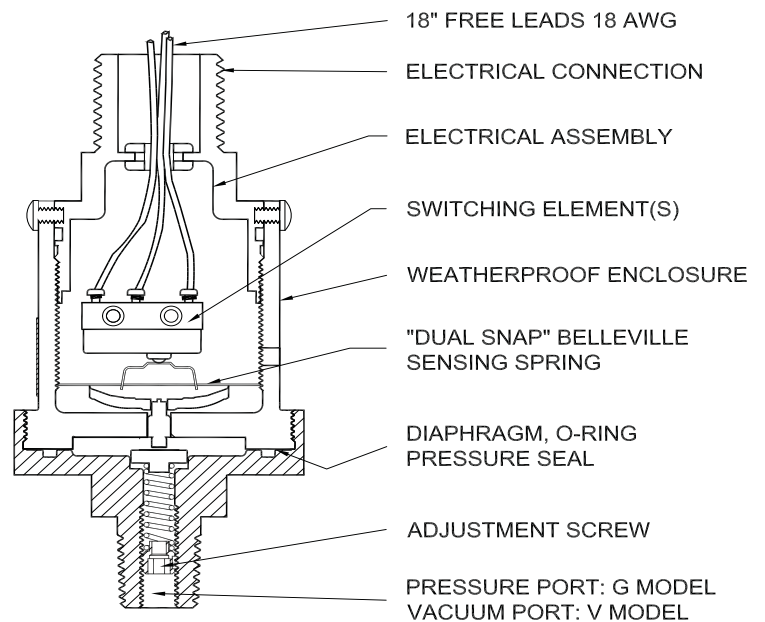
STANDARD FEATURES:

- CE Mark
- CCC
- CRN
- NEMA: 4, 13 / IP65
- NACE MR0175 / ISO 15156 (GZ model only)
- Weatherproof

INSTALLATION DRAWING



DESIGN PRINCIPLES



SERIES 611G & 611V

FIELD SETTING: Insert 1/8" Allen wrench into adjustment screw (located in pressure port) and turn. Clockwise to decrease settings, short of actuating the electrical. Counterclockwise to increase setting. Do not turn beyond flush with port.

NOTE: DO NOT USE ELECTRICAL HEX FOR TORQUING.





CustomControlSensors

Non-Hazardous Areas Adjustable / Pre-Set Pressure Switch

611G* & 611V* - Diaphragm Sensor

OPERATING AND ORDERING DATA

SERIES 611G*	WETTED PARTS: 1/4"-18 NPT ALUMINUM PRESSURE PORT, POLYIMIDE DIAPHRAGM, BUNA N O-RING					
	FIXED SET POINT RANGE (SPECIFY SET POINT ON ORDER)		AVERAGE DEAD BAND PSI (BAR)		SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)
	INCREASING PRESSURE PSIG (BAR)	DECREASING PRESSURE PSIG (BAR)	AT BOTTOM OF RANGE	AT TOP OF RANGE		
611G*1	1.5-25 (0.103-1.72)	1-23 (0.069-1.59)	.5 (0.034)	2 (.138)	250 (17.2)	500 (34.5)
611G*2	26-80 (1.79-5.51)	23-73.5 (1.59-5.07)	3 (0.21)	6.5 (0.448)	500 (34.5)	1000 (68.9)
611G*3	81-180 (5.58-12.41)	66-153 (4.55-10.55)	15 (1.03)	27 (1.86)	500 (34.5)	1000 (68.9)
SERIES 611G*800*	WETTED PARTS: 1/4"-18 NPT ALUMINUM PRESSURE PORT, POLYIMIDE DIAPHRAGM, BUNA N O-RING					
	ADJUSTABLE SET POINT RANGE		APPROX. DEAD BAND PSI (BAR)	SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)	
	INCREASING PRESSURE PSIG (BAR)	DECREASING PRESSURE PSIG (BAR)				
611G*8001	1.5-12.1 (0.103-0.83)	.75-11.35 (0.052-0.78)	.75 (0.052)	250 (17.2)	500 (34.5)	
611G*8003	12.1-30 (0.83-2.07)	10.1-28 (0.70-1.93)	2 (0.138)	500 (34.5)	1000 (68.9)	
611G*8005	30.1-70 (2.075-4.83)	27.1-67 (1.87-4.62)	3 (0.21)	500 (34.5)	1000 (68.9)	
611G*8007	70.1-180 (4.83-12.4)	63.1-173 (4.35-11.92)	7 (.483)	500 (34.5)	1000 (68.9)	
SERIES 611GZ*800*	WETTED PARTS: 1/4"-18 NPT 316 STAINLESS STEEL PRESSURE PORT & DIAPHRAGM, VITON O-RING					
	ADJUSTABLE SET POINT RANGE		APPROX. DEAD BAND PSI (BAR)	SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)	
	INCREASING PRESSURE PSIG (BAR)	DECREASING PRESSURE PSIG (BAR)				
611GZ*8101	3-12 (0.21-0.827)	1-10 (0.069-0.69)	2 (0.085)	250 (17.2)	500 (34.5)	
611GZ*8103	12-30 (.827-2.07)	9-27 (.62-1.86)	3 (0.21)	500 (34.5)	1000 (68.9)	
611GZ*8105	30-70 (2.07-4.83)	25-65 (1.72-4.48)	5 (0.345)	500 (34.5)	1000 (68.9)	
611GZ*8107	70-180 (4.83-12.41)	60-170 (4.14-11.72)	10 (.69)	500 (34.5)	1000 (68.9)	
SERIES 611V*800*	WETTED PARTS: 1/4"-18 NPT ALUMINUM PRESSURE PORT, POLYIMIDE DIAPHRAGM, BUNA N O-RING					
	ADJUSTABLE SET POINT RANGE		APPROX. DEAD BAND INCHES Hg (BAR)	SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)	
	INCREASING VACUUM INCHES Hg (mm Hg)	DECREASING VACUUM INCHES Hg (mm Hg)				
611V*8000	4-28.5 (102-724)	1.5-26 (38-660)	2.5 (0.085)	150 (10.3)	250 (17.2)	

HOW TO ORDER

Follow these steps to build your part number:

1. Specify the series based on your required set point, range, dead band, system pressure and proof pressure.
2. Add desired options model code letter.
3. Add the applicable standard suffix number.

(Ex: 611G8001-7090)

PRESSURE CONVERSION

1 BAR = 14.5 PSI
1 kPa = 0.145 PSI

OPTIONS MODEL CODES

- A:** Viton® O-Ring (STD on GZ models)
B: Brass Port (Fixed set point models only)
C: 316 Stainless Steel Welded Capsule (G models only - GC*)
F: Ethylene Propylene O-Ring
M: DPDT Electrical

OPTIONAL STANDARD MODIFIED SUFFIXES

- 7008:** Gold Contacts
7075: Electrical Connector with 4 Blades Conforms to DIN-43650
7077: Electrical Connector with Gold Contacts and 4 Blades Conforms to DIN-43650 (SPDT only)
7090: 2 Meter Free Leads (Non-Hazardous Area Option)
7092: 18 inch Teflon Free Leads (Low Temp Wire)

ACCESSORIES - SOLD SEPARATELY

- 69-102:** Mating Connector
57-159: Sealing Gasket

Note: Additional modified standard suffixes are available, consult CCS sales department or CCS Representative.

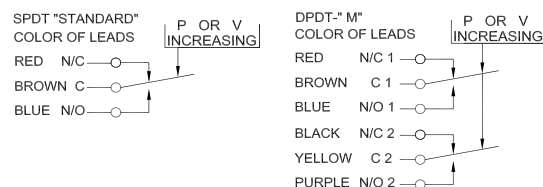
CERTIFICATIONS

Consult CCS website for complete certification and approval listing.

ELECTRICAL CHARACTERISTICS SCHEMATIC AND WIRING CODE

VOLTS	AMPERES	
	SPDT	DPDT "M"
	Res.	Res.
125 AC - 50/ 60 Hz	11	11
250 AC - 50/ 60 Hz	11	11
30 DC	5	5
125 DC	.5	.5
* 125 AC - 50/ 60 Hz	1 max	1 max
* 30 DC	1 max	1 max

* Gold Contacts - 7008 Suffix



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Models: 611G* & 611V*, Page 2 of 2
Form 830G, 7.25.13



CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

675DS* - Diaphragm Sensor

DESCRIPTION

Highly reliable devices utilizing the CCS Dual-Snap® Belleville disc spring principle pioneered by CCS' engineers. Engineering based on aerospace technology. Rigid, midsize and internally adjustable for convenient field set point adjustment. Repeatable and stable set points. Vibration and shock resistant. High cycle life. High over-pressure capability. (System and Proof)



SHIPPING WEIGHT: APPROXIMATELY 19 OUNCES (538 GRAMS)

SERIES:

675DS*800*

ADJUSTABLE SET POINT RANGE:

DIFFERENTIAL PRESSURE:

0.2 to 31" H₂O

0.5 to 77.2 mbar

0.05 to 7.72 kPa

OPERATING TEMPERATURE:

Temperature limits change with o-ring selection.

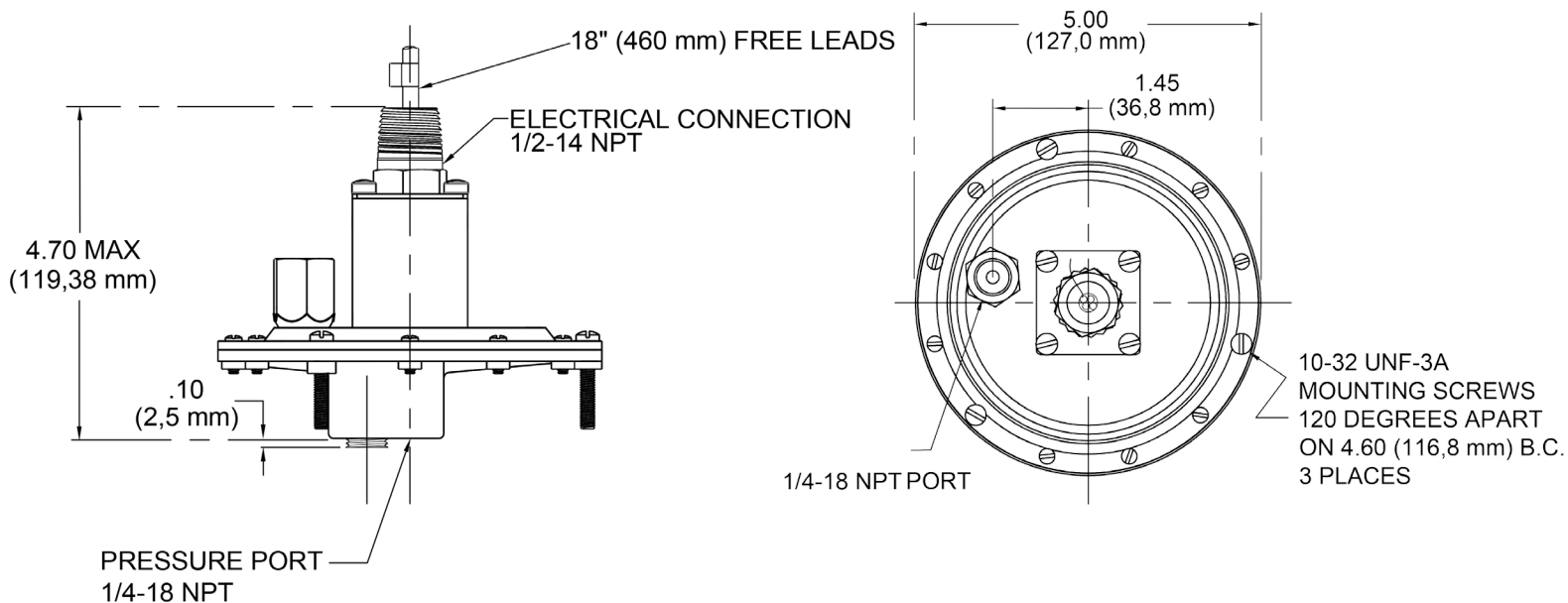
-40° to 186°F

-40° to 86°C

STANDARD FEATURES:

- NEMA: 4, 13 / IP65

INSTALLATION DRAWING



FIELD SETTING: Insert 3/16" Allen wrench into adjustment screw (located in pressure port). Clockwise to decrease settings. Counterclockwise to increase settings.

NOTE: DO NOT USE ELECTRICAL HEX FOR TORQUING.





CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

675DS* - Diaphragm Sensor

OPERATING AND ORDERING DATA

SERIES 675DS*800*	WETTED PARTS: 1/4"-18 NPT ALUMINUM PRESSURE PORT, POLYIMIDE DIAPHRAGM, BUNA N O-RING						
	ADJUSTABLE SET POINT RANGE		APPROX. DEAD BAND INCHES H2O (mbar)	MAX SYSTEM PRESSURE PSI (mbar)	PROOF PRESSURE PSI (mbar)		
	INCREASING PRESSURE INCHES H2O (mbar)	DECREASING PRESSURE INCHES H2O (mbar)			BOTH PORTS SIMULT.	HIGH OVER LOW LOW OVER HIGH	
						HIGH	LOW
675DS*8001	2-6.9 (5-17.2)	0.2-5.1 (0.5-12.7)	1.5 (3.7)	10 (689)	25 (1724)	25 (1724)	25 (1724)
675DS*8002	7-12.9 (17.4-32.1)	5.5-11.4 (13.7-28.4)	1.5 (3.7)				
675DS*8003	13-18.9 (32.4-47.1)	11-16.9 (27.4-42.1)	2.0 (5.0)				
675DS*8004	19-24.9 (47.3-62)	16.5-22.4 (41.1-55.8)	2.5 (6.2)				
675DS*8005	25-31 (62.3-77.2)	22-28 (54.8-69.8)	3.0 (7.5)				

HOW TO ORDER

Follow these steps to build your part number:

1. Specify the series based on your required set point. range, dead band, system pressure and proof pressure.
2. Add desired options model code letter.
3. Add the applicable standard suffix number.

(Ex: 675DSA8001)

PRESSURE CONVERSION

1 BAR = 14.5 PSI
1 kPa = 0.145 PSI

OPTIONAL STANDARD MODIFIED SUFFIXES

7008: Gold Contacts
7054: 2 Meter Free Leads
7076: 18 inch Teflon Free Leads
(Low Temp Wire)

OPTIONS MODEL CODES

A: Viton® O-Ring

CERTIFICATIONS

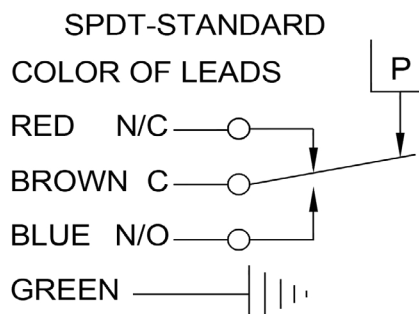
Consult CCS website for complete certification and approval listing.

ELECTRICAL CHARACTERISTICS

RATING OF SWITCH ELEMENT

VOLTS	AMPERES
	SPDT
	Res.
125 AC - 50/60 Hz	11
250 AC - 50/60 Hz	11
30 DC	5
125 DC	0.5
*125 AC - 50/60 Hz	1 MAX
*30 DC	1 MAX
*Gold Contacts -7008 Suffix	

SCHEMATIC AND WIRING CODE



Note: Additional modified standard suffixes are available, consult CCS sales department or CCS Representative.



CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

675GS* - Diaphragm Sensor



DESCRIPTION

- Highly reliable devices utilizing the CCS Dual-Snap® Belleville disc spring principle pioneered by CCS' engineers.
- Engineering based on aerospace technology.
- Rigid, midsize and internally adjustable for convenient field set point adjustment.
- Repeatable and stable set points.
- Vibration and shock resistant.
- High cycle life.
- High over-pressure capability. (System and Proof)

SERIES:

675GS*800*

ADJUSTABLE SET POINT RANGE:

DIFFERENTIAL PRESSURE:

0.2 to 31" H₂O

0.5 to 77.2 mbar

0.05 to 7.72 kPa

OPERATING TEMPERATURE:

Temperature limits change with o-ring selection.

-40° to 186°F

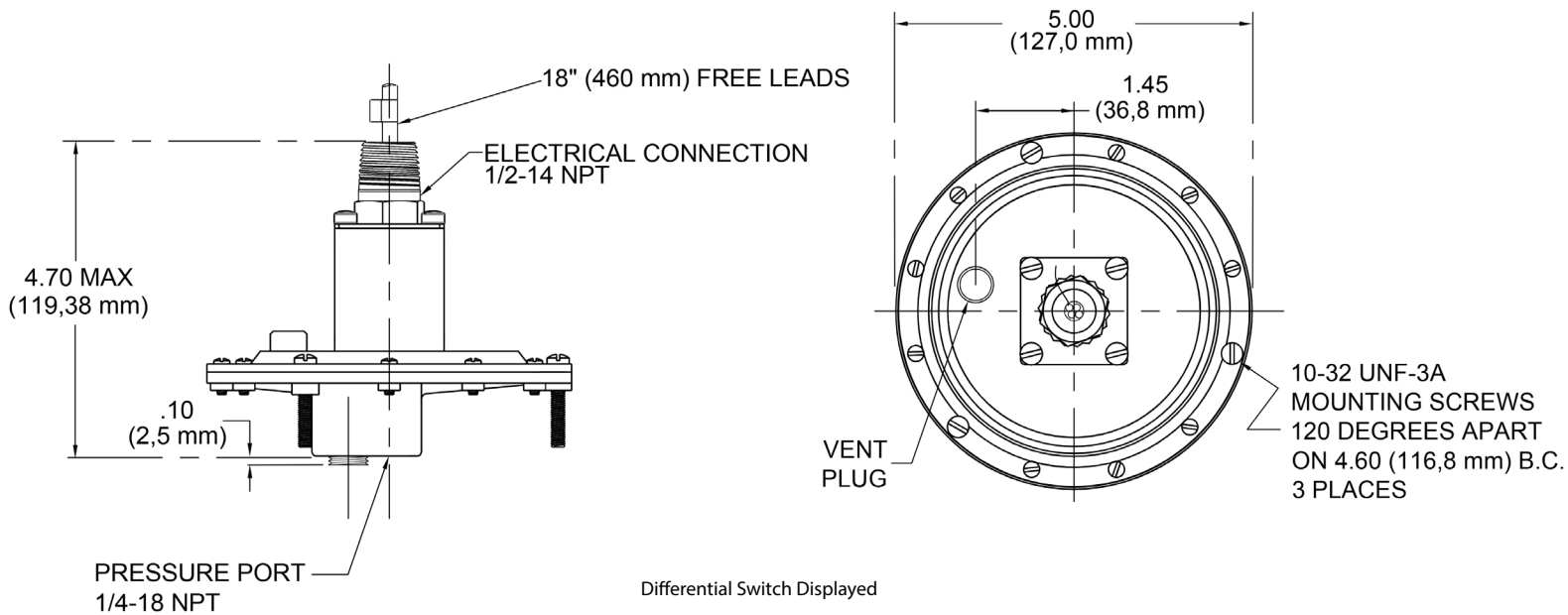
-40° to 86°C

STANDARD FEATURES:

- NEMA: 4,13 / IP65

SHIPPING WEIGHT: APPROXIMATELY 19 OUNCES (538 GRAMS)

INSTALLATION DRAWING



FIELD SETTING: Insert 3/16" Allen wrench into adjustment screw (located in pressure port). Clockwise to decrease settings. Counterclockwise to increase settings.

NOTE: DO NOT USE ELECTRICAL HEX FOR TORQUING.





CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

675GS* - Diaphragm Sensor

OPERATING AND ORDERING DATA

SERIES 675GS*800*	WETTED PARTS: 1/4"-18 NPT ALUMINUM PRESSURE PORT, POLYIMIDE DIAPHRAGM, BUNA N O-RING				
	ADJUSTABLE SET POINT RANGE		APPROXIMATE DEAD BAND INCHES H ₂ O (mbar)	MAX SYSTEM PRESSURE PSIG (mbar)	PROOF PRESSURE PSIG (mbar)
	INCREASING PRESSURE INCHES H ₂ O (mbar)	DECREASING PRESSURE INCHES H ₂ O (mbar)			
675GS*8001	2-6.9 (5-17.2)	0.2-5.1 (0.5-12.7)	1.5 (3.7)	10 (689)	25 (1724)
675GS*8002	7-12.9 (17.4-32.1)	5.5-11.4 (13.7-28.4)	1.5 (3.7)		
675GS*8003	13-18.9 (32.4-47.1)	11-16.9 (27.4-42.1)	2.0 (5.0)		
675GS*8004	19-24.9 (47.3-62)	16.5-22.4 (41.1-55.8)	2.5 (6.2)		
675GS*8005	25-31 (62.3-77.2)	22-28 (54.8-69.8)	3.0 (7.5)		

HOW TO ORDER

Follow these steps to build your part number:

1. Specify the series based on your required set point, range, dead band, system pressure and proof pressure.
2. Add desired options model code letter.
3. Add the applicable standard suffix number.

(Ex: 675DSA8001)

PRESSURE CONVERSION

1 BAR = 14.5 PSI
1 kPa = 0.145 PSI

OPTIONAL STANDARD MODIFIED SUFFIXES

7008: Gold Contacts
7054: 2 Meter Free Leads
7076: 18 inch Teflon Free Leads
(Low Temp Wire)

OPTIONS MODEL CODES

A: Viton® O-Ring

CERTIFICATIONS

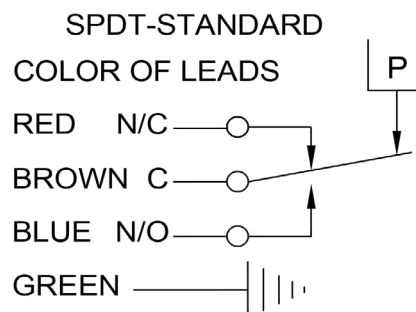
Consult CCS website for complete certification and approval listing.

ELECTRICAL CHARACTERISTICS

RATING OF SWITCH ELEMENT

VOLTS	AMPERES
	SPDT
	Res.
125 AC - 50/60 Hz	11
250 AC - 50/60 Hz	11
30 DC	5
125 DC	0.5
*125 AC - 50/60 Hz	1 MAX
*30 DC	1 MAX
*Gold Contacts -7008 Suffix	

SCHEMATIC AND WIRING CODE



Note: Additional modified standard suffixes are available, consult CCS sales department or CCS Representative.



CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

6900G* - Diaphragm Sensor



DESCRIPTION

- Highly reliable devices utilizing the CCS Dual-Snap® Belleville disc spring principle pioneered by CCS' engineers.
- Engineering based on aerospace technology.
- Rigid, compact and internally adjustable for convenient field set point adjustment.
- Repeatable and stable set points.
- Vibration and shock resistant.
- High cycle life.
- High over-pressure capability.
- (System and Proof)
- Various options for wetted materials and electrical ratings to meet a wide range of application requirements and media compatibility.

SHIPPING WEIGHT: APPROXIMATELY 15 OUNCES
(425 GRAMS)

SERIES:

6900G*
6900GZ*

ADJUSTABLE SET POINT RANGE:

1 to 3400 PSIG
0.07 to 234 bar
6.89 to 23400 kPa

OPERATING TEMPERATURE:

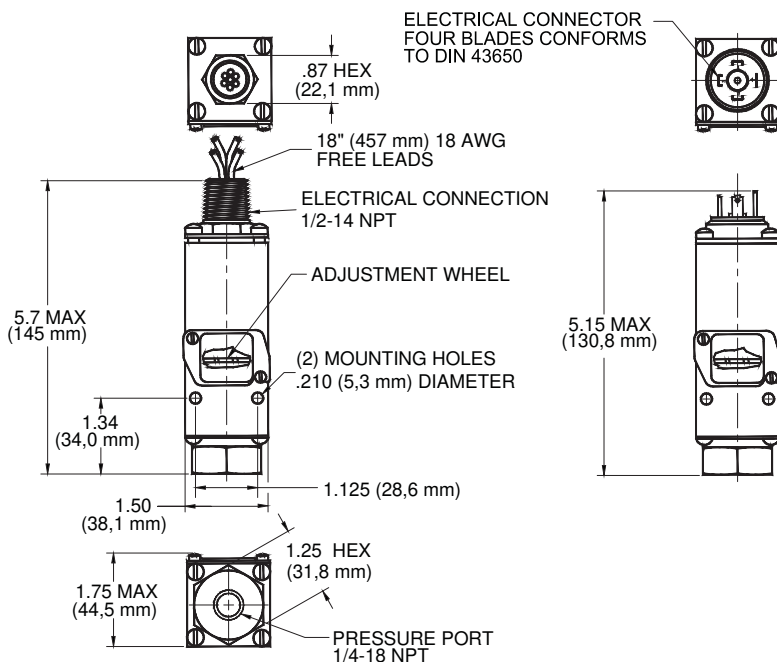
Temperature limits change with O-ring selection.

-40° to 186°F
-40° to 86°C

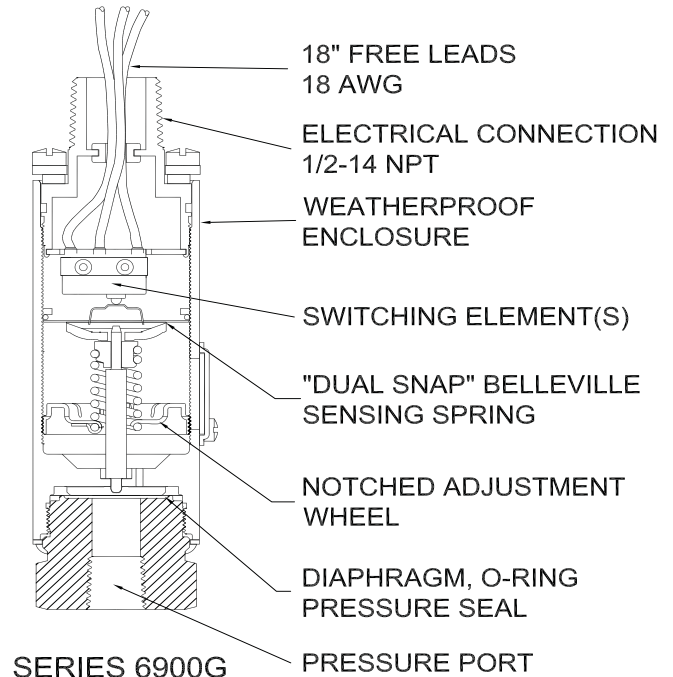
STANDARD FEATURES:

- CE Mark
- CCC
- CSA Listed
- CRN
- NACE MR0175 / ISO 15156
- NEMA: 4,13 / IP65
- Weatherproof

INSTALLATION DRAWING



DESIGN PRINCIPLES



FIELD SETTING: Loosen access cover. Adjust adjustment screw using screwdriver slot as illustrated, then attach to a variable pressure source with a suitable gage, and check that the circuit continuity operates at the pressures desired. Clockwise to increase settings. Counterclockwise to decrease setting.

NOTE: DO NOT USE ELECTRICAL HEX FOR TORQUING.

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Models: 6900G*, Page 1 of 2
Form 830G, 12.9.13



CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

6900G* - Diaphragm Sensor

OPERATING AND ORDERING DATA

SERIES 6900G*	WETTED PARTS: 1/4"-18 NPT ALUMINUM PRESSURE PORT, POLYIMIDE DIAPHRAGM, BUNA N O-RING				
	ADJUSTABLE SET POINT RANGE		APPROX. DEAD BAND PSI (BAR)	SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)
	INCREASING PRESSURE PSIG (BAR)	DECREASING PRESSURE PSIG (BAR)			
6900G*12	3-20 (0.21-1.4)	1-18 (0.07-1.2)	2 (0.14)	500 (34.5)	750 (51.7)
6900G*14	6-75 (0.41-5.1)	2-71 (0.14-4.9)	4 (0.28)		
6900G*16	12-150 (0.8-10.3)	4-142 (0.28-9.8)	8 (0.6)	1500 (103)	2000 (138)
6900G*18	30-375 (2.0-25.9)	10-355 (0.7-24.4)	20 (1.4)		
6900G*20	300-1000 (20.7-69)	250-950 (17.2-66)	50 (3.5)	2000 (138)	3000 (207)
6900G*22	700-2200 (48.3-152)	600-2100 (41.4-145)	100 (6.9)	3000 (207)	4500 (310)
6900G*24	1800-3400 (124-234)	1580-3180 (109-219)	220 (15.2)	5000 (345)	7500 (517)
SERIES 6900GZ*	WETTED PARTS: 1/2"-14 NPT 316 STAINLESS STEEL PRESSURE PORT & DIAPHRAGM, VITON O-RING				
	ADJUSTABLE SET POINT RANGE		APPROX. DEAD BAND PSI (BAR)	SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)
	INCREASING PRESSURE PSIG (BAR)	DECREASING PRESSURE PSIG (BAR)			
6900GZ*12	3-20 (0.21-1.4)	1-18 (0.07-1.2)	2 (0.14)	500 (34.5)	750 (51.7)
6900GZ*14	9-75 (0.6-5.1)	3-69 (0.21-4.8)	6 (0.41)		
6900GZ*16	18-150 (1.2-10.3)	6-138 (0.41-9.5)	12 (0.8)	1500 (103)	2000 (138)
6900GZ*18	45-375 (3.1-25.9)	15-345 (1.0-23.8)	30 (2.0)		
6900GZ*20	300-1000 (20.7-68.9)	225-925 (15.5-64)	75 (5.1)	2000 (138)	3000 (207)
6900GZ*22	700-2200 (48.3-152)	520-2020 (35.9-139)	180 (12.4)	3000 (207)	4500 (310)
6900GZ*24	1800-3400 (124-234)	1520-3120 (105-215)	280 (19.3)	5000 (345)	7500 (517)

HOW TO ORDER

Follow these steps to build your part number:

1. Specify the series based on your required set point, range, dead band, system pressure and proof pressure.
2. Add desired options model code letter.
3. Add the applicable standard suffix number.

(Ex: 6900GA16-7008)

PRESSURE CONVERSION

1 BAR = 14.5 PSI

1 kPa = 0.145 PSI

OPTIONS MODEL CODES

- A:** Viton® O-Ring (STD on GZ models)
C: 316 Stainless Steel Welded Capsule (GC Models only)
F: Ethylene Propylene O-Ring
M: DPDT Electrical

OPTIONAL STANDARD MODIFIED SUFFIXES

- 7008:** Gold Contacts
7044: Monel Port and Diaphragm
7045: Hastelloy C-276 Port and Diaphragm
7075: Electrical Connector with 4 Blades Conforms to DIN-43650 (SPDT only)
7077: Electrical Connector with Gold Contacts and 4 Blades Conforms to DIN-43650 (SPDT only)
7092: 18 inch Teflon Free Leads (Low Temp Wire) (Non-Hazardous Area Option)
7088: 1/4" -18 NPT Female 316 Stainless Steel Pressure Port
7089: 1/2" -14 NPT Male 316 Stainless Steel Pressure Port

ACCESSORIES - SOLD SEPARATELY

- 69-102:** Mating DIN-43650 Connector
57-159: Sealing DIN-46650 Gasket

Note: Additional modified standard suffixes are available, consult CCS sales department or CCS Representative.

ELECTRICAL ENCLOSURE CERTIFICATIONS

* CSA listed by Canadian Standard Association (CSA) Testing Laboratories (File No. LR22665) for enclosure (4) non-hazardous locations.

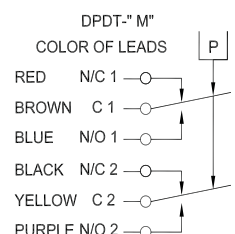
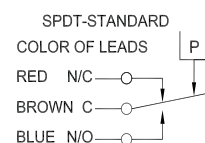
CERTIFICATIONS

Consult CCS website for complete certification and approval listing.

ELECTRICAL CHARACTERISTICS SCHEMATIC AND WIRING CODE

VOLTS	AMPERES	
	SPDT	DPDT "M"
	Res.	Res.
125 AC - 50/60 Hz	11	11
250 AC - 50/60 Hz	11	11
30 DC	5	5
125 DC	.5	.5
*125 AC - 50/60 Hz	1 max	1 max
*30 DC	1 max	1 max

*Gold Contacts -7008 Suffix





CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

6900P* - Piston Sensor

DESCRIPTION



6900PE Series Shown

- Highly reliable devices utilizing the CCS Dual-Snap® Belleville disc spring principle pioneered by CCS' engineers.
- Engineering based on aerospace technology.
- Rigid, compact and internally adjustable for convenient field set point adjustment.
- Repeatable and stable set points.
- Vibration and shock resistant.
- High cycle life.
- High over-pressure capability.
- (System and Proof)
- Various options for wetted materials and electrical ratings to meet a wide range of application requirements and media compatibility.

SHIPPING WEIGHT: APPROXIMATELY 15 OUNCES
(425 GRAMS)

SERIES:

6900P*

ADJUSTABLE SET POINT RANGE:

5 to 16,000 PSIG

0.34 to 1,103 bar

34.47 to 110,316 kPa

OPERATING TEMPERATURE:

Temperature limits change with O-ring selection.

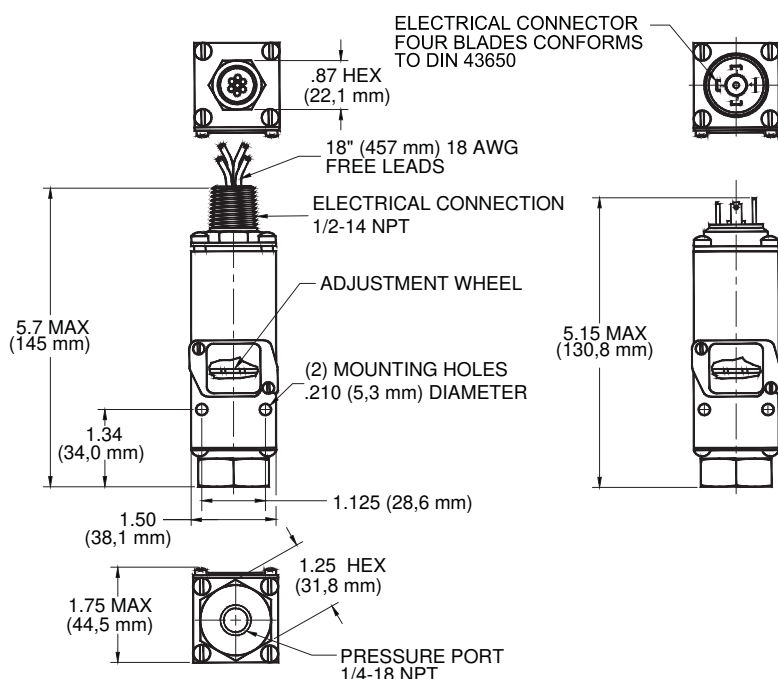
-40° to 186°F

-40° to 86°C

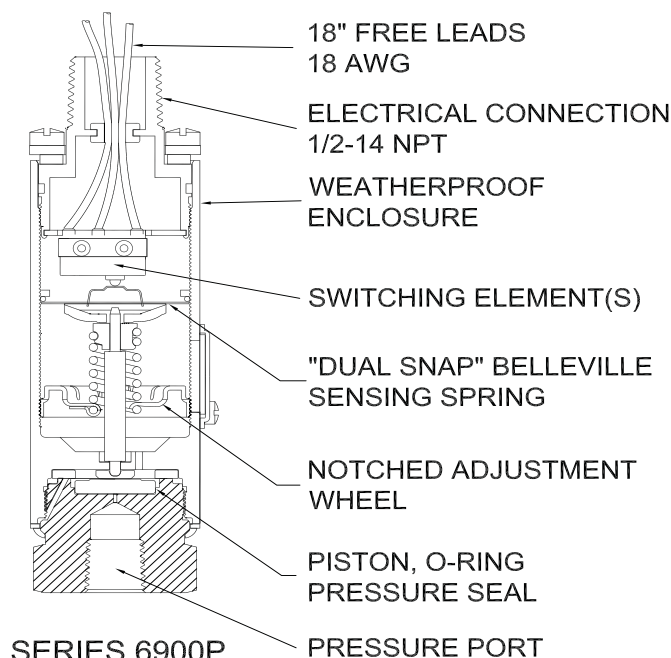
STANDARD FEATURES:

- CE Mark
- CCC
- CSA Listed
- CRN
- NACE MR0175 / ISO 15156
- NEMA: 4,13 / IP65
- Weatherproof

INSTALLATION DRAWING



DESIGN PRINCIPLES



FIELD SETTING: Loosen access cover. Adjust adjustment screw using screwdriver slot as illustrated, then attach to a variable pressure source with a suitable gage, and check that the circuit continuity operates at the pressures desired. Clockwise to increase settings. Counterclockwise to decrease setting.

NOTE: DO NOT USE ELECTRICAL HEX FOR TORQUING.





CustomControlSensors

Non-Hazardous Areas Adjustable Pressure Switch

6900P* - Piston Sensor

OPERATING AND ORDERING DATA

SERIES 6900P*	PISTON PRESSURE SWITCH FOR HIGH CYCLING-LONG LIFE-HYDRAULIC APPLICATION WETTED PARTS: 1/4"-18 NPT ALUMINUM PRESSURE PORT, 400 STAINLESS STEEL PISTON, BUNA N O-RING / TEFLON				
	ADJUSTABLE SET POINT RANGE		APPROX. DEAD BAND PSI (BAR)	SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)
	INCREASING PRESSURE PSIG (BAR)	DECREASING PRESSURE PSIG (BAR)			
6900P*32	15-200 (1.03-13.8)	5-190 (0.35-13.1)	10 (0.7)	2000 (138)	3000 (207)
6900P*34	150-1600 (10.3-110)	40-1490 (2.8-103)	110 (7.6)	3000 (207)	5000 (345)
6900P*36	500-3200 (34.5-221)	330-3030 (22.8-209)	170 (11.7)	5000 (345)	7500 (517)
6900P*38	2000-6500 (138-448)	1500-6000 (103-414)	500 (34.5)	10000 (689)	13000 (896)
HIGH PRESS.	WETTED PARTS: 7/16"-20 UNF 316 STAINLESS STEEL PRESSURE PORT & PISTON, BUNA N O-RING / TEFLON				
	ADJUSTABLE SET POINT RANGE		APPROX. DEAD BAND PSI (BAR)	SYSTEM PRESSURE PSIG (BAR)	PROOF PRESSURE PSIG (BAR)
	INCREASING PRESSURE PSIG (BAR)	DECREASING PRESSURE PSIG (BAR)			
6900P*40	5000-11000 (345-758)	3500-9500 (241-655)	1500 (103)	14000 (965)	20000 (1379)
6900P*42	10000-16000 (690-1103)	7500-13500 (517-931)	2500 (172)	17000 (1172)	25000 (1724)

HOW TO ORDER

Follow these steps to build your part number:

1. Specify the series based on your required set point, range, dead band, system pressure and proof pressure.
2. Add desired options model code letter.
3. Add the applicable standard suffix number.

(Ex: 6900PA42)

PRESSURE CONVERSION

1 BAR = 14.5 PSI
1 kPa = 0.145 PSI

OPTIONS MODEL CODES

A: Viton® O-Ring
F: Ethylene Propylene O-Ring
M: DPDT Electrical

Note: Additional modified standard suffixes are available, consult CCS sales department or CCS Representative.

OPTIONAL STANDARD MODIFIED SUFFIXES

- 7008:** Gold Contacts
7038: Stainless Steel Port and Piston (STD on ranges 40 and 42)
7075: Electrical Connector with 4 Blades Conforms to DIN-43650 (SPDT only)
7077: Electrical Connector with Gold Contacts and 4 Blades Conforms to DIN-43650 (SPDT only)
7092: 18 inch Teflon Free Leads (Low Temp Wire) (Non-Hazardous Area Option)
7088: 1/4" -18 NPT Female 316 Stainless Steel Pressure Port
7089: 1/2" -14 NPT Male 316 Stainless Steel Pressure Port
7090: 2 Meter Free Leads (Non-Hazardous Area Option)

ELECTRICAL ENCLOSURE CERTIFICATIONS

CSA listed by Canadian Standard Association (CSA) Testing Laboratories (File No. LR22665) for enclosure (4) non-hazardous locations.

CERTIFICATIONS

Consult CCS website for complete certification and approval listing.

ELECTRICAL CHARACTERISTICS RATING OF SWITCH ELEMENT

VOLTS	AMPERES	
	SPDT	DPDT "M"
	Res.	Res.
125 AC - 50/60 Hz	11	11
250 AC - 50/60 Hz	11	11
30 DC	5	5
125 DC	.5	.5
*125 AC - 50/60 Hz	1 max	1 max
*30 DC	1 max	1 max

*Gold Contacts -7008 Suffix

ACCESSORIES - SOLD SEPARATELY

- 69-102:** Mating DIN-43650 Connector
57-159: Sealing DIN-46650 Gasket

SCHEMATIC AND WIRING CODE

