

# **Neo-Dyn<sup>®</sup> Series 100P** Pressure Switch/Internal Adjustment

Sensitive Nega-Rate<sup>®</sup> Belleville spring adjustable pressure switch for low pressure applications.

Operating Pressure Data					
Adjustable Range Number	Adjustable Set Point Range		Deadband	Maximum Recommended	Proof
	Increasing	Decreasing	(approximate)	System Pressure	Pressure
2	10" H <sub>2</sub> 0 to 100" H <sub>2</sub> 0	7" H <sub>2</sub> 0 to 97" H <sub>2</sub> 0	3" H <sub>2</sub> 0	300	500
4	3 to 15	2.75 to 14.75	.25*	300	500

All values given in psig (except as noted).

\*Deadband increases to .4 psi (approx.) in "CC4" configuration.

## Standard Specifications

#### Electrical

Snap action electrical switch listed by Underwriters Laboratories, Inc. and CSA

#### **Electrical Connection**

3/4" - 14 NPT female conduit connection with terminal block and ground screw

#### **Pressure Connection**

Wetted Material 1 1/4" - 18 NPT Female

Wetted Material 4 1/2" - 14 NPT Female

#### **Temperature Range\***

Ambient: -40°F to +165°F (-40°C to +74°C)

-40°F to +300°F Media:  $(-40^{\circ}C \text{ to } + 149^{\circ}C)$ 

\*Temperature limits change with **O-Ring selection** 

### Adjustment

Concealed wrench flat adjustment with range scale

## **Shipping Weight**

Approximately 3 pounds



## Ordering Sequence — Select desired option for each category

### **OPTIONS**

#### Wetted Material

- Aluminum port, Teflon coated polyimide diaphragm and Buna-N O-Ring 1
- 316 stainless steel port, Teflon coated polyimide diaphragm and Buna-N O-Ring 4

#### Adjustable Range

- 7" H<sub>2</sub>0 dec. to 100" H<sub>2</sub>0 inc. (17 millibar dec. to 249 millibar inc.) 2 4
  - 2.75 psig dec. to 15 psig inc. (0.2 bar dec. to 1.0 bar inc.)

#### **Electrical Form**

- 11 amps and 1/4 hp 125 or 250 VAC; 5 amps resistive, 3 amps inductive 28 VDC; С .5 amps resistive 125 VDC
- CC 11 amps and 1/4 hp 125 or 250 VAC; 5 amps resistive, 3 amps inductive 28 VDC; .5 amps resistive 125 VDC

#### Enclosure

Meets or exceeds the requirements of NEMA Type 3, 3R, 3S, 4, 4X and 13 4

#### Miscellaneous

- Epoxy paint exterior extra protection for severe environments Α
- R Viton O-Ring
- С EPR O-Ring
- F Fire fuse — for fire-tested equipment
- G 1/2" - 14 NPT male port (Wetted Material 4 only)
- L Neon indicator light — 115 VAC
- Gold electrical contacts for extremely low current applications Μ
- Stainless steel diaphragm (Wetted Material 4 only) S
- W Stainless steel screws - exterior (Standard with Wetted Material 4)

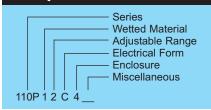
#### Special (Consult representative or factory)

- Non-catalog adjustable range and/or set point, deadband and proof pressure
  - Chemical seals installed

## Ordering Procedure

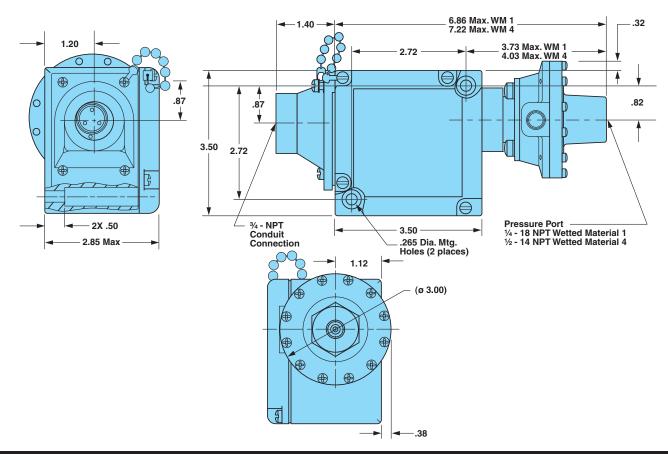
- When factory presetting is desired, stipulate set point, increasing or decreasing
- Insert available option number or letter designation as required

## Example

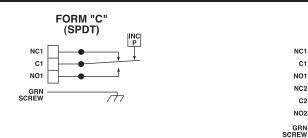


# Series 110P

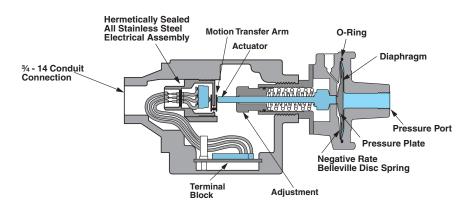
## **Envelope Dimensions**



# **Electrical Form**



# **Basic Principles of Design**





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FORM "CC" (DPDT)

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