



**Weather Proof  
(NEMA 4 and 13)**

### DESCRIPTION

Mid-range differential pressure switch. Compact design. Has efficient Nega-Rate® Belleville disc spring sensing mechanism. Settings not affected by system pressure changes.

### Operating Pressure Data

Series	Fixed Set Point Range		Maximum Recommended System Pressure	Proof Pressure		
	Increasing	Decreasing		Simultaneous	High/Low	Low/High
155P	5 to 75 psid	3 to 67 psid	Up to 650	1000	1000	400
155PP	76 to 120 psid	68 to 102 psid	Up to 650	1000	1000	400

All values given in psig unless otherwise stipulated.

### Standard Specifications

#### Deadband (Differential)

The deadband can be selected anywhere from 2 psi or 10% (whichever is greater) to 45% of the set point.

#### Electrical

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

#### Electrical Connection

Enclosure 2 — PVC insulated 18 AWG leads 18" long

Enclosure 3 — ½" - 14 NPT male conduit connection with PVC insulated 18 AWG leads 18" long

#### Pressure Connections

⅛" - 27 NPT Female

#### Temperature Range

Ambient: -30°F to +160°F  
(-34°C to +71°C)

Media: -30°F to +160°F  
(-34°C to +71°C)

#### Shipping Weight

Enclosure 2 — 10 ounces  
Enclosure 3 — 1 pound

### Ordering Sequence — Select desired option for each category

#### OPTIONS

##### Wetted Material

1 Aluminum ports, Teflon coated polyimide diaphragm, Buna-N O-Rings

##### Electrical Form

C 5 amps and 125 or 250 VAC; 5 amps resistive, 3 amps inductive 28 VDC

##### Enclosure

2 Meets or exceeds the requirements of NEMA Type 1

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

##### Miscellaneous

A Epoxy paint exterior — extra protection for severe environments

B Viton O-Ring

C EPR O-Ring

M Gold electrical contacts for extremely low current applications

R 72" Electrical free leads

W Stainless steel screws — exterior (Standard with Option A)

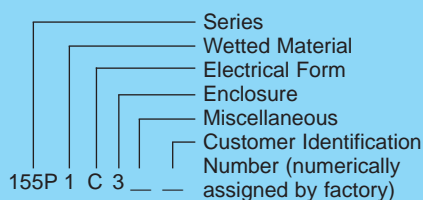
#### Special (Consult representative or factory)

- Adjustment (±5 psi of set point)
- Non-catalog set point, deadband and/or proof pressure
- 11 amp/125/250 VAC electrical rating
- Operating temperature capability from -65°F to +350°F
- Chemical seals installed

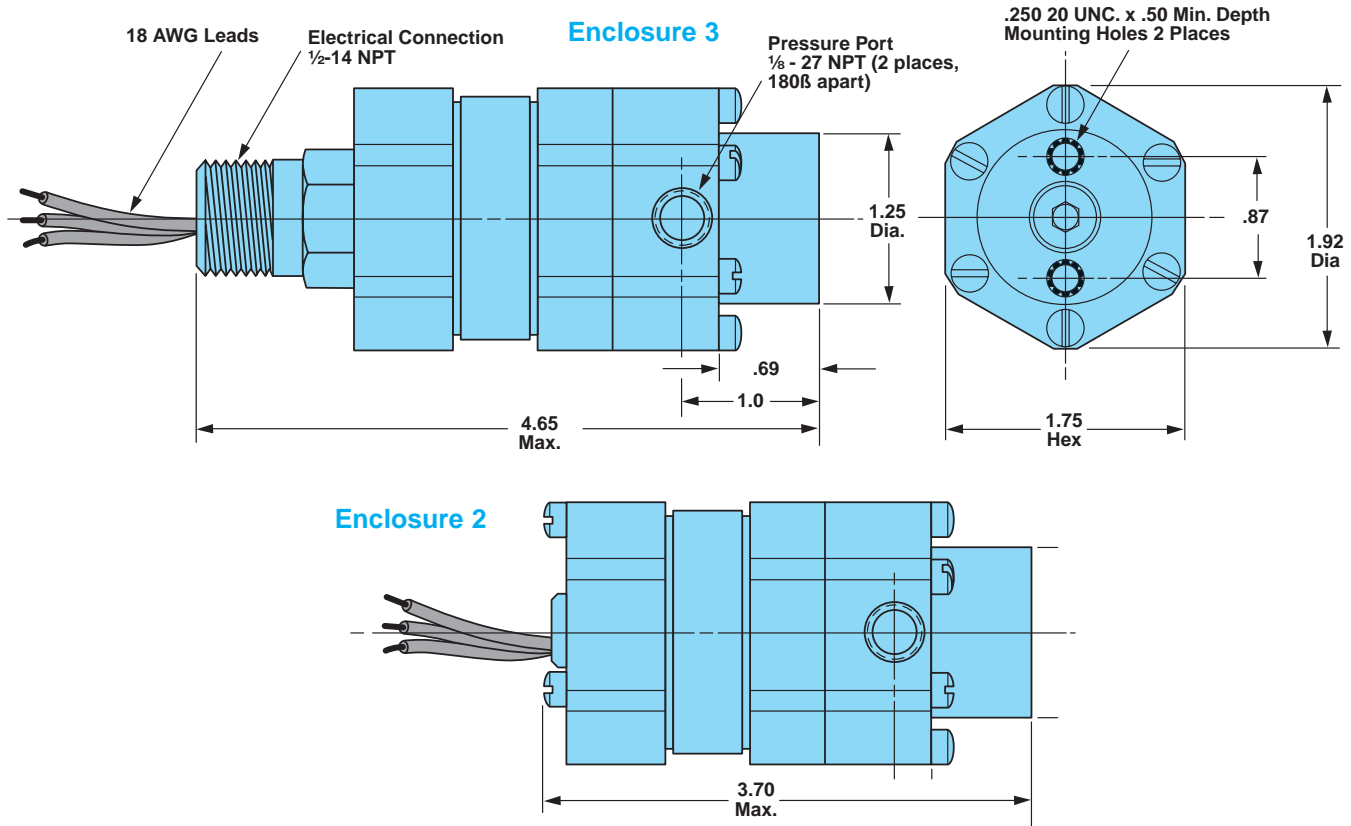
### Ordering Procedure

- Specify set point, increasing or decreasing
- Specify deadband if pertinent and if not, specify as 'open'
- Specify system pressure
- Specify media
- Insert available option number or letter designation as required

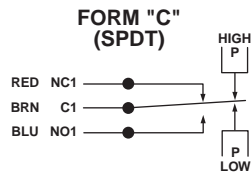
### Example



## Envelope Dimensions



## Electrical Form



## Basic Principles of Design

