



# CNI

Adjustable Dead Band Pressure Switch  
Diaphragm type



### Special Features

- Fixed dead band (optional)
- Weatherproof to IP66
- Sleek & reliable
- Field adjustable
- High repeatability

### Application

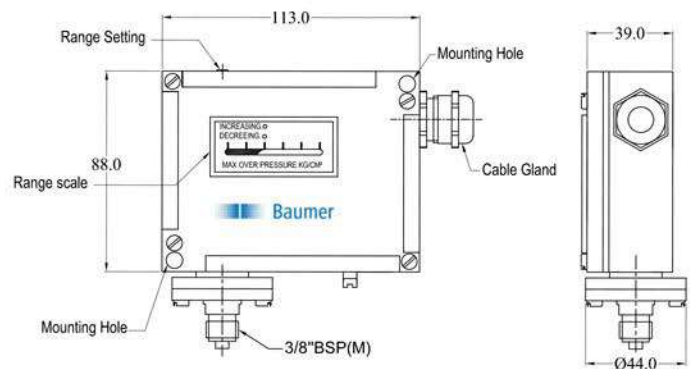
- Railways
- Compressors & boilers
- Water treatment
- Fire fighting systems
- Lubrication industries

### Specifications

#### Standard Version

Repeatability	: ± 1% F. S.
Range	: Refer "how to order"
Mounting	: Bottom / Panel
Process connection	: 3/8" BSP (M)
Enclosure protection	: W/P to IP 66
Enclosure material	: Pressure die cast aluminum
Maximum process temperature	: 150 °C
Ambient temperature	: -10 to 60 °C
Switch	: 1 SPDT (adjustable)
Switch rating	: 15 A, 250 VAC & 0.4 A, 110 VDC
Sensing element	: Diaphragm, AISI 316L SS
Top Chamber	: Mild Steel (plated)
Bottom Chamber	: AISI 304 SS
Process medium	: Air, oil & water
Scale Accuracy	: ± 3.0% F. S.
Electrical connection	: PG 13.5 mm cable gland

### Dimensional Details



Notes : • Drawings are not to scale. • All dimensions are in mm.

### How To Order

#### Basic model

#### Range

Ordering code	Model no.	Range (bar)	Differential (bar)
<b>VA</b>	CNI - VAC	-1 to 0	0.1 to 0.50
<b>WC</b>	CNI - WC	0 to 300 cmWC	10 to 50 cmWC
<b>1</b>	CNI - 1	0.1 to 1.1	0.08 to 0.20
<b>3</b>	CNI - 3	0.4 to 4	0.08 to 0.30
<b>6</b>	CNI - 6	0.6 to 6	0.25 to 1.5
<b>10</b>	CNI - 10	1 to 10	0.3 to 1.3
<b>16</b>	CNI - 16	1 to 16	1 to 5
<b>30</b>	CNI - 30	2 to 32	1 to 5
<b>40</b>	CNI - 40	4 to 40	2 to 6

#### Calibration

**I** Increasing      **D** Decreasing (not applicable for adj. differential)

#### Options

<b>PW</b> Calibration certificate	<b>4NM</b> ½" NPT (M) adaptor	<b>SX</b> SS Tag plate	<b>DC</b> Double compression cable gland
<b>1F</b> 1 SPDT switch with fixed dead band	<b>4NF</b> ½" NPT (F) adaptor	<b>WM</b> Wall mounting bracket	
<b>2F</b> 2 SPDT switch with fixed dead band		<b>PM</b> 2" Pipe mounting	<b>SG</b> Oxygen service

Ordering example : CNI . X or XX . X . XX or XXX

Note : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing .  
Modifications may take place and materials specified may be replaced by others without prior notice.

### Example

CNI

X  
OR  
XX

X

XX  
OR  
XXX

Note : Other equivalent scales units like kg/cm<sup>2</sup>, kPa, MPa, psi, mmWC etc can be provided on request.



## CONTACT DETAIL



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