



DIFFERENTIAL PRESSURE CONTROL RT SERIES



- WIDE ADJUSTABLE RANGE
- FIXED LOW ON-OFF DIFFERENTIAL
- PRECISION SNAP ACTION SWITCH
- HIGH REPEATABILITY
- DOUGH MOULD COMPOUND (DMC) ENCLOSURE
- WEATHERPROOF TO IP:66

RT Series of **Differential Pressure Control** utilise seamless bellows as the sensing element. Simplicity of design and ease of installation has been stressed for reliable use, even in applications where shock and vibrations are present. The sensing element can be used for a variety of process fluids.

RT Series have an excellent record for more than five decades backed by our responsive manufacturing facility.

Applications include pumps, compressors, filters, evaporators, heat exchangers, lubrication systems, hydraulic systems, marine equipment, heating and air conditioning equipment, turbines, etc.



ORDERING MATRIX

MODELS / RANGES

Type	Range (atmg)	Fixed Differential (atmg)	Max. Test Pressure (atmg)	
			'PB'	'SB'
RT-260	0.5 to 4	0.3	15	25
RT-262	0.1 to 1.5	0.15	15	25
RT-265	1 to 6	0.5	25	45

Notes:

- For Ammonia service add code "A" to the type number.
Example RT260 when used in Ammonia service to be codified as RT260A.
- For Ammonia service sensing shall be 316 SS Bellows with treated steel wetted parts.
- Process Connection : 3/8" BSPM Std., Others through adaptor.

A SENSING ELEMENT

Code Material

PB PB Bellows with brass wetted Parts – Std.
 SB 304 SS Bellows with brass wetted parts
 SS6 316 SS Bellows with 316 SS wetted parts

B SWITCH ELEMENT

S 1 No SPDT – 15A 250V AC
 DC Rating : 0.5A 110V / 0.25A 220V / 8A 24V – Res
 0.2A 110V / 0.10A 220V / 7A 24V – Ind

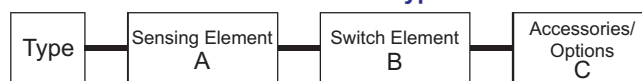
C ACCESSORIES/OPTIONS

AD Adaptor for other process connections in Brass, 304 SS or 316 SS (Add suffix 'B' for Brass, 'S' for SS)
 CGB 1/2" NPTM Nickel plated Brass cable gland
 CGN 1/2" NPTM Nylon cable gland.
 FR 3/8" BSP(F) × 1/4" Flare Reducer
 PC 7-pin plug-in connector / 3-pin plug-in connector
 SN Snubber for pulsation Dampening.
 TG Identification Tag Plates in SS.
 X3NV 3 Way Needle Valve
 X3VM 3 Valve Manifold
 X5VM 5 Valve Manifold

NOTES

- Max Process Temperature: 70°C for code PB & SB; 170°C for code SS6.
- Ambient Temperature : -30°C to 65°C
- Repeatability : ± 1%
- Mounting : Back Panel / Wall
- Conformity : Generally to BS : 6134 : 1991

Model Number to be ordered as Type-A-B-C

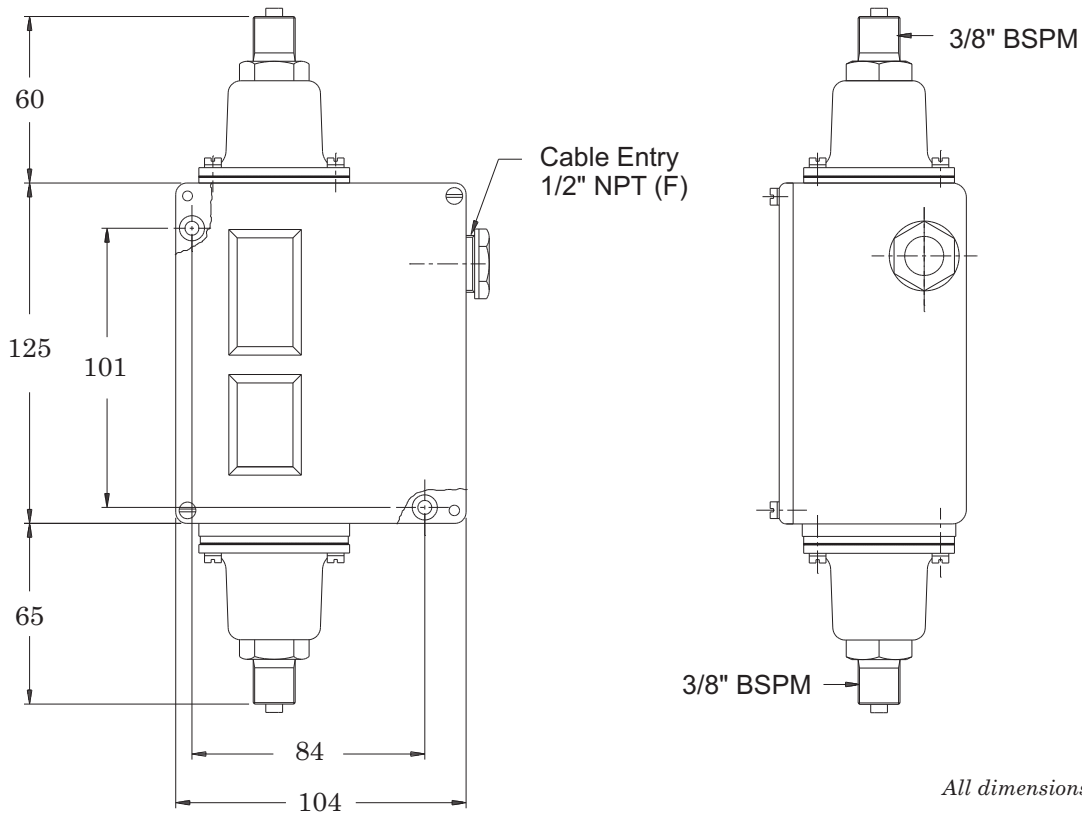


Example : RT 262-SB-S-CGB

NOTES

1. Accuracy & Repeatability are not different for all blind pressure switches. A shift of $\pm 2\%$ may be observed in setpoint when pressure falls from full static pressure. Settings will also shift with varying temperature.
2. The instrument is calibrated in the mounting position depicted in the drawing. Mounting in any other direction will cause a minor range shift, especially in low and compound ranges. Ranges above 1 bar will not experience this shift.
3. A pressure switch is a switching device and not a measuring instrument — eventhough it has a scale to assist setting. For this reason, Test Certificates will not contain individual ON-OFF switching values at different scale readings. Maximum differential obtained alone will be declared, besides other specifications.
4. Select working range of the instrument such that the set value lies in the mid 35% of the range i.e., between 35% and 70% of range span.
5. On and off settings should not exceed the upper or lower range value.
6. Fluid Temperature: A pressure switch when connected to the process is not subjected to through flow and therefore is not fully exposed to the fluid temperature. Use of adequate length of impulse piping will greatly reduce excessive heating of the sensing element. For e.g., connection of 7.5 cm of 12 mm dia impulse piping will reduce water temperature of 100°C to 65°C at an ambient temperature of 50°C. Ask factory for temperature nomogram for different temperatures.
7. Ensure that impulse pipework applies no stress on sensing element housing and use spanners to hold pressure port/housing when connections are made.
8. Accuracy figures are exclusive of test equipment tolerance on the claimed values.
9. All performance data are guaranteed to $\pm 5\%$.

MOUNTING DIMENSIONS



This is not a contractual document. Prior notification of changes in specifications is impracticable due to continuous improvement



Indfos Industries Limited

Regd. Off : Adwave Towers, II Floor, 17, Dr. Sevalia Sivaji Road
T.Nagar, Chennai 600 017

www.indfos.com

WORKS

1. B20, Industrial Area, Site 3, Meerut Road, Ghaziabad (UP) 201 003
Ph : 0120-2712016 / 2712134 Fax : 0120-2712023 E-mail : sales@indfos.com
2. 86, Thirupoor Kumaran Street, Athipet, Ambattur, Chennai 600 058

SALES	E-MAIL	PHONE	FAX
Chennai	chennai@indfos.com	044-2435 3407	044-2431 1760
Delhi	delhi@indfos.com	011-2589 7296	011-4228 3295
Kolkata	kolkata@indfos.com	033-2486 6761	033-2486 6761
Mumbai	mumbai@indfos.com	022-2565 6936	022-2569 1237