



'NEW' Pall RCA Series Deltadyne Differential Pressure Switch

Pall RCA series differential pressure indicators signal the need for filter element change by sensing the differential pressure between ports upstream and downstream of the filter element. They connect to the Deltadyne™ device port available on Pall filter housings.

Specifications

Fatigue Test Pressure: 1 Million cycles at 0-400 bar (5800psi)

Operating Temperature: Maximum Fluid Operating Temperature
120 °C (250 °F)

Minimum Fluid Operating Temperature
-20 °C (-4 °F)

Fluid Compatibility: Standard mineral oils and hydrocarbon-based synthetic Hydraulic and Lubrication fluids and Fuels

Materials of Construction: Brass body

Seal Materials: Fluorocarbon

Environmental: IP67 to IEC 60529
connected or unconnected

Switch:
RCA216/217 Normally closed single pole contacts
open on differential pressure
exceeding set point

Switching Voltage: 48V DC Maximum

Switching Current: 0.5 A Maximum

Electrical Connectors: RCA 216 - Connector Deutsch
DT04-2P to mate with Deutsch
DT06-2S receptacle
RCA 217 - Connector AMP Junior
timer to mate with AMP junior timer
receptacle 827551-3 and contacts
925596-1

Switch:
RCA218M Single pole, double throw (SPDT) switch
state changes on differential pressure
exceeding set point

Switching Voltage: 48V DC Maximum or 250V AC

Switching Current: 4 A Maximum

Electrical Connectors: Hirschmann type

Switch:
RCA218R Single pole, double throw (SPDT)
switch state changes on differential
pressure exceeding set point

Switching Voltage: 24V DC

Switching Current: 4 A Maximum

Electrical Connectors: Hirschmann type with red and green
LEDs that illuminate when switch
operates

Visual indicator:
RCA219 Window changes from white to red on
detonation. All units automatically reset
when differential pressure drops
below set-point.

System Interface: To fit all standard Pall threaded indicator
ports



Pall RCA216 differential pressure switch



Pall RCA217 differential pressure switch



Pall RCA218M differential pressure indicator



Pall RCA218R differential pressure indicator



Pall RCA219 differential pressure indicator

Ordering Information

Differential Pressure Indicator P/N: RCA



Z



Z

Table 1 - Connector Option

Code	Connector
216C	Deutsch DT04-2P
217U	AMP Junior Timer
218M	Hirschmann
218R	Hirschmann with Red and Green LED indicators
219D	Visual Indicator

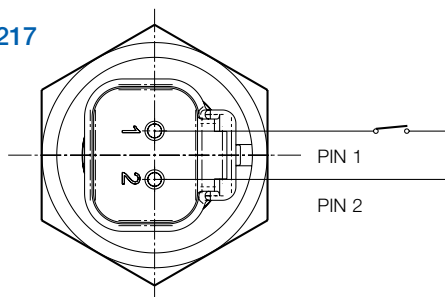
Table 2 - Pressure Setting

Code	Pressure
090	2.4 ± 0.3 bard (35 ± 4 psid)
091	3.4 ± 0.4 bard (50 ± 6 psid)

Other options available. Contact Pall Sales for information

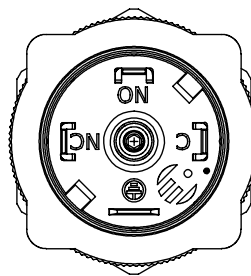
Electrical Connection

216/217



The switch is wired normally closed. Using normally closed configuration allows for the detection of damaged or broken cables or disconnection. The switch will automatically reset when differential pressure is reduced.

218



Switch can be wired using either normally open or normally closed configuration. The switch will automatically reset when differential pressure is reduced.



25 Harbor Park Drive
Port Washington NY 11050
+1 516 484 3600 telephone
+1 800 289 7255 toll free US

Portsmouth - UK
+44 (0)23 9233 8000 telephone
+44 (0)23 9233 8811 fax
industrialeu@pall.com

Filtration. Separation. Solution.SM



Visit us on the Web at www.pall.com

Pall Corporation has offices and plants throughout the world. For Pall representatives in your area, please go to www.pall.com/contact

Because of technological developments related to the products, systems, and/or services described herein, the data and procedures are subject to change without notice. Please consult your Pall representative or visit www.pall.com to verify that this information remains valid.

© Copyright 2014, Pall Corporation. Pall, Deltadyne and **PALL** are trademarks of Pall Corporation.
® Indicates a trademark registered in the USA. Better Lives. Better Planet and **Filtration. Separation. Solution.SM** are service marks of Pall Corporation.

M&ERCAENa

Printed in the UK

May 2014