

'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 Operating Temperature
-25 °C (-13 °F)

Minimum Ambient Temperature
-40 °C (-40 °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: Normally closed single pole contacts
open on differential pressure
exceeding set point

RCA216/217

Switching Voltage: 48V DC Maximum

Switching Current: 0.5 A Maximum

Electrical Connectors: RCA 216 - Connector Deustch
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: Single pole, double throw (SPDT) switch
state changes on differential pressure
exceeding set point

RCA218M

Switching Voltage: 48V DC Maximum or 250V AC

Switching Current: 4 A Maximum

Electrical Connectors: Hirschmann type

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

RCA218R

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

RCA219

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 Table 2

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 |

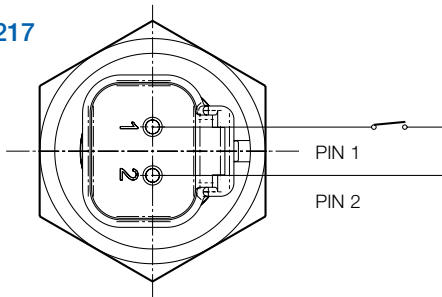
Table 2 - Pressure Setting

| 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

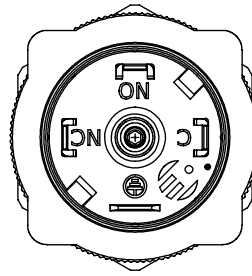
Electrical Connection

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.



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