

## '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  
*RCA216/217* 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: Single pole, double throw (SPDT) switch  
*RCA218M* 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: Single pole, double throw (SPDT)  
*RCA218R* 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: Window changes from white to red on  
*RCA219* detection. 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

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

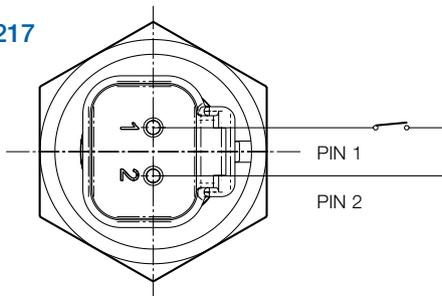
**Table 2 - Pressure Setting**

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

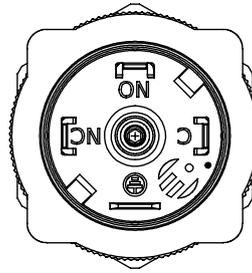
## Electrical Connection

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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