

*The Original Oilfield Pressure Control*

**Since 1952**



11141 15 Street NE, Calgary, AB, T3K 0Z5, Canada  
Phone: 403-253-8320 Email: [info@zimco.ca](mailto:info@zimco.ca) Website: [www.zimco.ca](http://www.zimco.ca)

**Robinson Pressure Switch**

A device that opens or closes a circuit at a predetermined pressure point.

**External Set Point Adjustment**

Allows users to change the set point without needing to remove the electrical enclosure cover.

**Standards and Classifications**

CSA approved explosion proof electrical enclosure for Class 1, Division 1, Groups B,C & D Enclosure type 4. CSA master contract number is 15024

**Meets Up-to-date Oilfield Standards**

Successfully tested to CSA 22.2 No. E60079-0:2007 which requires physical testing by CSA at a specific process temperature.

Pressures switches certified prior to 2007 likely have not been verified and certified by CSA to be explosion proof at their advertised process temperatures.

**Dual Seal Certified**

“DUAL SEAL” design is certified to meet ANSI/ISA—12.27.01-2003 requirements for process sealing between electrical systems and combustible process fluids.

**NACE**

The process connections meet the requirements of NACE MR0175.  
The extra large diaphragm located in a very shallow recess minimizes performance degradation due to clogging and coking from dirty product streams.

**Construction, Design and Performance**

All components are designed and built to the latest ISO standards.  
Field service life exceeding 10 years is quite the norm.  
Field repair kits are available.  
Factory repair and setting carry the same guarantee as a new switch.  
Trim bushing design allows non-wetted parts of switch (spring body and electrical enclosure assemblies) to be removed without shutting down the process equipment.  
External adjustment of both the set point and microswitch gap (dead-band) can be accomplished without opening the electrical enclosure.

**ABSA**

Certificate of Authorization issued by ABSA for our Quality Program.  
Registration number is AQP-5119.

**Robinson Controls Inc. is an ISO 9001:2015 registered company.**



Model	Adjustment Type	Reset Type			Set Point Adjustment Range (PSI)					Max Process Temp °C	Process Connection		
		Auto/Fixed	Manual	Variable	5-30	10-100	20-500	100-1000	50-1500		3/4" FNPT	3/4" MNPT	2" MNPT
RS-74A	External	X							X	140			X
RS-74M	External		X						X	140			X
RS74A-750F	External	X							X	400			X
RS74M-750F	External		X						X	400			X
RC-AA-DUAL	Internal	X (2)					X	X		140			X
RC-VA-DUAL	Internal	X		X			X	X		140			X
RC-V-Single	Internal			X			X	X		140			X
RC-M0750	External		X			X				60		X	
RC-M0750AK	External		X		X					60	X		

### General Specifications

- Process connections materials are NACE MR0175-2003 for sour service
- Electrical Connection is 1/2" - 14 female NPT
- Tested with process temperature of up to 140 C with an ambient of 60 C for auto reset models
- Tested with process temperature of up to 120 C with an ambient of 60 C for manual reset models
- Tested to ANSI/ISA-12.27.01-2003 for Dual Seal Certification
- Enclosures have been tested for use in Hazardous Locations and each have the following markings:
  - Class 1, Div1
  - Groups B,C,D; Type 4
  - Ex d IIB+H2; IP54
  - Zone 1 AEx IIB+H2; IP54
  - Tamb -40 C to +60 C; T6
  - Dual Seal
  - 1/2" - 14 NPT

**The Original Oilfield Pressure Switch Company... Incorporated 1952**

**Pressure Rating  
5000 PSI**

**External Set Point  
Adjustment**

**NACE Compliant  
Process Connection**



**Security Car Seal  
(Lid & Adjustment Collar)**

**50 to 1500 PSI  
Adjustment Range**

**Dual Seal  
Certified**

**RS74A Technical Specifications**

CSA certified for use in:  
Class 1, Div 1, Groups B, C, D, Zone 1  
Group IIB & Hazardous Locations

Tested and constructed to IECEx standards

Rated pressure:  
5000 psi

Adjustable Range:  
50 to 1500 psi

Diaphragm:  
Inconel, grade 718

Electrical connection:  
1/2" NPT thread

NACE compliant process connection

Enclosure Type 4, IP 54

**Additional Items**

**Electrical Cable Assembly**  
CSA approved 20 to 60 ft.

**Other Switch Models**

- Dual (RC-XX Dual)**  
Dual Fixed & Dual Variable
- Variable (RC-V Single)**
- Hi Temp (RS-74A/M-750F)**  
50 to 1500 PSI Range
- Stuffing Box Switch (RC-M0750)**  
10 to 100 PSI Range



*The Original Oilfield Pressure Switch Company...* Incorporated 1952

**Pressure Rating  
5000 PSI**

**External Set Point  
Adjustment**

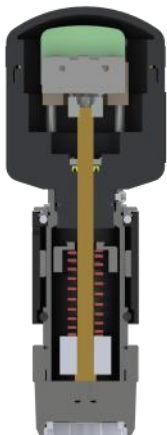
**NACE Compliant  
Process Connection**



**Security Car Seal  
(Lid & Adjustment Collar)**

**50 to 1500 PSI  
Adjustment Range**

**Dual Seal  
Certified**



### RS74M Tech Specs

**CSA certified for use in:**  
Class 1, Div 1, Groups B, C, D,  
Group 11B & Hazardous Locations

**Tested & Constructed to IECex Standards**

**Rated Pressure:** 5000 psi

**Adjustable Range:** 50 to 1500 psi

**Diaphragm:** Inconel, grade 718

**Electrical Connection:** ½" NPT thread

**NACE Compliant Process Connection**

**Enclosure:** Type 4, IP 54

### Additional Items

**Electrical Cable Assembly**  
CSA approved 20 to 60 ft.

**Dual Fixed Pressure Switch**

**Dual Variable Pressure Switch**

**Single Variable Pressure Switch**

**Hi Temp Pressure Switch**  
50 to 1500 PSI Range

**Stuffing Box Pressure Switch**  
10 to 100 PSI Range

**Severe Duty Pressure Switch...**

*Operates **120°F cooler** than the competition at a **400°F process temperature***

**Pressure Rating**  
**5000 PSI at 750 °F**

**External Set Point**  
**Adjustment**

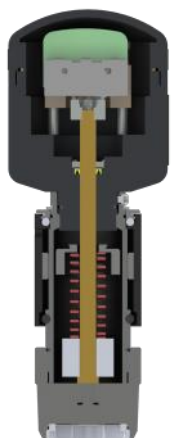
**CSA Explosion Proof**  
**Tested to 750 °F**



**Security Car Seal**  
(Lid & Adjustment Collar)

**50 to 1500 PSI**  
**Adjustment Range**

**Dual Seal**  
**Certified**



**RS74M-750F Tech Specs**

**CSA certified for use in:**  
Class 1, Div 1, Groups B, C, D,  
CEC Zone 1, Exd 11B + H2 T2  
**Tested & Constructed to IECEx Standards**  
**Rated Pressure:** 5000 psi at 750 °F  
**Adjustable Range:** 50 to 1500 psi  
**Diaphragm:** Inconel, grade 718  
**Electrical Connection:** ½” NPT thread  
**NACE Compliant Process Connection**  
**Enclosure:** Type 4, IP 54

**Additional Items**

**Electrical Cable Assembly**  
CSA approved 20 to 60 ft.  
**Dual Fixed Pressure Switch**  
**Dual Variable Pressure Switch**  
**Single Variable Pressure Switch**  
**General Duty Pressure Switch**  
50 to 1500 PSI Range  
**Stuffing Box Pressure Switch**  
10 to 100 PSI Range

**Severe Duty Pressure Switch...**

*Operates **120°F cooler** than the competition at a **400°F process temperature***

**Pressure Rating**  
**5000 PSI at 750 °F**

**External Set Point**  
**Adjustment**

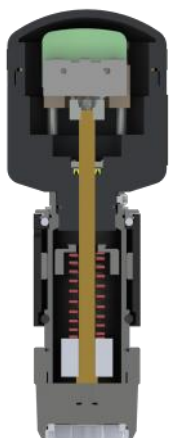
**CSA Explosion Proof**  
**Tested to 750 °F**



**Security Car Seal**  
(Lid & Adjustment Collar)

**50 to 1500 PSI**  
**Adjustment Range**

**Dual Seal**  
**Certified**



**RS74M-750F Tech Specs**

**CSA certified for use in:**  
Class 1, Div 1, Groups B, C, D,  
CEC Zone 1, Exd 11B + H2 T2  
**Tested & Constructed to IECex Standards**  
**Rated Pressure:** 5000 psi at 750 °F  
**Adjustable Range:** 50 to 1500 psi  
**Diaphragm:** Inconel, grade 718  
**Electrical Connection:** ½" NPT thread  
**NACE Compliant Process Connection**  
**Enclosure:** Type 4, IP 54

**Additional Items**

**Electrical Cable Assembly**  
CSA approved 20 to 60 ft.  
**Dual Fixed Pressure Switch**  
**Dual Variable Pressure Switch**  
**Single Variable Pressure Switch**  
**General Duty Pressure Switch**  
50 to 1500 PSI Range  
**Stuffing Box Pressure Switch**  
10 to 100 PSI Range

*Alternative to the dual Presco FF series*



**Two separate  
circuits with  
fixed differentials**

**Car-seal  
Safety Lockout**

**Process Connection**  
NACE– MR0175:2003  
NACE TM-0187



**Two independently  
adjustable  
auto reset  
micro switches**

**Set Point Range**  
20 to 500 PSI  
100 to 1000 PSI  
250 to 1500 PSI

**Check Valve Style  
Annunciation Port**  
Seals internal  
components from  
external environment

## General Specifications

Maximum Allowable Working Pressure of 5000 psi. CRN: 0F10666.2  
CSA Approved for Class 1, Div1, Groups B,C,D and CEC Zone 1, Exd IIB + H2 T4



*Alternative to the dual Presco FV series*



**Control Two  
Separate Circuits**

**Equipped with  
one fixed and  
one variable  
micro switch**

**Car-seal  
Safety Lockout**

**Set Point Range**  
20 to 500 PSI  
100 to 1000 PSI  
250 to 1500 PSI

**Process Connection**  
NACE- MR0175:2003  
NACE TM-0187

**Check Valve Style  
Annunciation Port**  
Seals internal  
components from  
external environment



## General Specifications

Maximum Allowable Working Pressure of 5000 psi. CRN: 0F10666.2  
CSA Approved for Class 1, Div1, Groups B,C,D and CEC Zone 1, Exd IIB + H2 T4

*Alternative to the Presco F series*



**Automatically controls  
one circuit**

**Equipped with one  
auto reset  
micro switch**



**Car-seal  
Safety Lockout**

**Set Point Range**  
20 to 500 PSI  
100 to 1000 PSI  
250 to 1500 PSI

**Process Connection**  
NACE– MR0175:2003  
NACE TM-0187

**Check Valve Style  
Annunciation Port**  
Seals internal  
components from  
external environment

### **General Specifications**

Maximum Allowable Working Pressure of 5000 psi. CRN: 0F10666.2  
CSA Approved for Class 1, Div1, Groups B,C,D and CEC Zone 1, Exd IIB + H2 T4

**Wellhead Stuffing Box Switch...**  
and other low pressure applications

**Pressure Rating**  
**5000 PSI**

**External Set Point**  
**Adjustment**

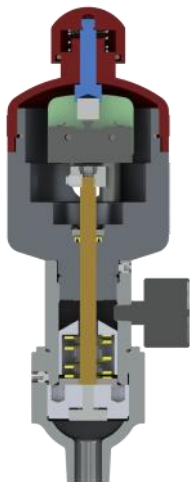
**NACE Compliant**  
**Process Connection**



**Security Car Seal**  
(Lid & Adjustment Screw)

**10 - 100 PSI**  
**Adjustment Range**

**Dual Seal**  
**Certified**



**RC-M0750 Tech Specs**

**CSA certified for use in:**  
Class 1, Div 1, Groups B, C, D, Zone 1  
Group IIB & Hazardous Locations

**Tested & Constructed to IECex Standards**

**Rated Pressure:** 5000 psi

**Adjustment Range:** 10 to 100 psi

**Diaphragm Materials:** Inconel, PTFE

**Electrical Connection:** 1/2" NPT thread

**NACE Compliant Process Connection**

**Enclosure:** Type 4, IP 54

**Additional Items**

**Electrical Cable Assembly**  
CSA approved 20 to 60 ft.

**Dual Fixed Pressure Switch**

**Dual Variable Pressure Switch**

**Single Variable Pressure Switch**

**General Duty Pressure Switch**  
50 to 1500 PSI Range

**Hi Temp Pressure Switch**  
50 to 1500 PSI Range

*The Original Oilfield Pressure Switch Company... Incorporated 1952*

**Low Pressure Switch...**

**Pressure Range**  
**5 - 30 psi**

**Manual & Auto**  
**Reset**

**NACE Compliant**  
**Process Connection**



**Security Car Seal**  
(Lid & Adjustment Screws)

**External Set Point**  
**Adjustment**

**Dual Seal**  
**Certified**

**RC-0750AK Technical Specifications**

CSA certified for use in:  
Class 1, Div 1, Groups B, C, D, Zone 1  
Group IIB & Hazardous Locations

Tested and constructed to IECex standards

Rated pressure:  
200 psi

Adjustable Range  
5 to 30 psi

Diaphragm:  
PTFE

Electrical connection:  
1/2" NPT thread

NACE compliant process connection

Enclosure Type 4, IP 54

**Additional Items**

**Electrical Cable Assembly**  
CSA approved 20 to 60 ft.

**Other Switch Models**

**Dual** (RC-XX Dual)  
Dual Fixed & Dual Variable

**Variable** (RC-V Single)

**Hi Temp** (RS-74A/M-750F)  
50 to 1500 PSI Range

**General Duty** (RS-74A/M)  
50 to 1500 PSI Range



## Explosion Proof for Hazardous Locations

**Standard Length**  
**40 feet**  
(custom lengths available)

**Meets Latest**  
**CSA Standards**



**Rated to -60°C**  
**Voltage 600v**

**Serialized and**  
**Traceable**

### Technical Specifications

14/3 -60°C 600 volt  
Ultraflex Jacket (for oil applications)  
Type STOW  
3 Wire (14 gauge)  
Class 1, Div 2, Group C & D  
CSA Approved (C22.2 No.0 & C22.2 No. 30)  
1/2" MNPT with 90° elbow

### Additional Items...

#### Hazardous Location Pressure Switches

- High Temperature
- Low Pressure
- Dual Circuit
- Variable Differential



#### Pressure Gauges

#### Isolation Valve

ZIMCO INSTRUMENTATION INC.

11141 15 Street NE, Calgary, AB, T3K 0Z5, Canada

Phone: 403-253-8320 Email: info@zimco.ca Website: www.zimco.ca

## ***2" Isolation Valve 3705 PSI***

### **Materials of Construction**

Body: Forged Steel A350 LF2  
Ball: Cast Steel—CF8M SS  
SS Stem: 17-4 PH SS  
NACE MR0175/ISO 15156

### **Connections NPT**

Inlet: 2" male  
Outlet: 2" female  
Accessory: two 1/2" female  
Class 1500 (MAWP 3705 PSI)

### **Design Code**

ASME B16.34  
API 607 Rev 5  
API 598  
PED-97/23/EC, Module H  
CRN: 0C06968.2

