

DR3513 SPDT Differential Pressure Switch



Overview

DR3513 Differential Pressure Switch is designed for boiler, steam, water and hydraulic systems. It uses a reliable SPDT microswitch to automatically switch electrical circuits according to system pressure. Suitable for non-corrosive air, water, oil and steam up to 180°C.

Features

- Medium temperature up to 180°C
- SPDT microswitch
- 120VAC 10A / 240VAC 5A
- Mechanical life 100,000 cycles
- Stainless steel diaphragm
- Brass pressure connection 1/4-18 NPT
- Adjustable pressure and differential

Technical Specifications

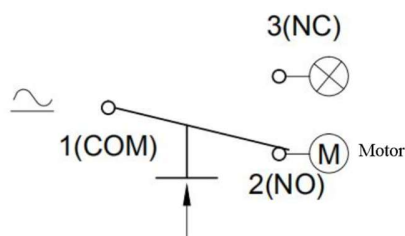
Item	Specification
Pressure Range	2-15 / 5-50 / 10-150 psi
Differential	2-6 / 6-14 / 10-22 psi
Medium	Air, Water, Oil, Steam
Medium Temp.	-37~180°C
Ambient Temp.	-37~66°C
Contact	SPDT
Electrical Rating	120VAC 10A, 240VAC 5A
Mechanical Life	100,000 cycles
Electrical Life	50,000 cycles
Connection	1/4-18 NPT
Diaphragm	Stainless Steel

Electrical Contact Rated Voltage

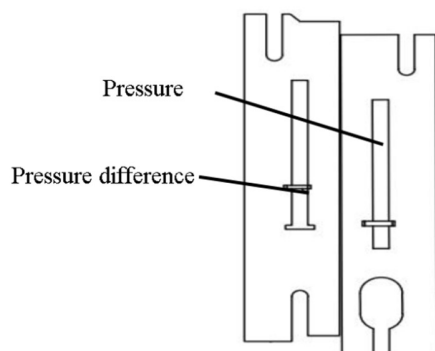
Rated Voltage	FL	LR
AC	A	A
240	5.1	30.6
120	8.0	48.0

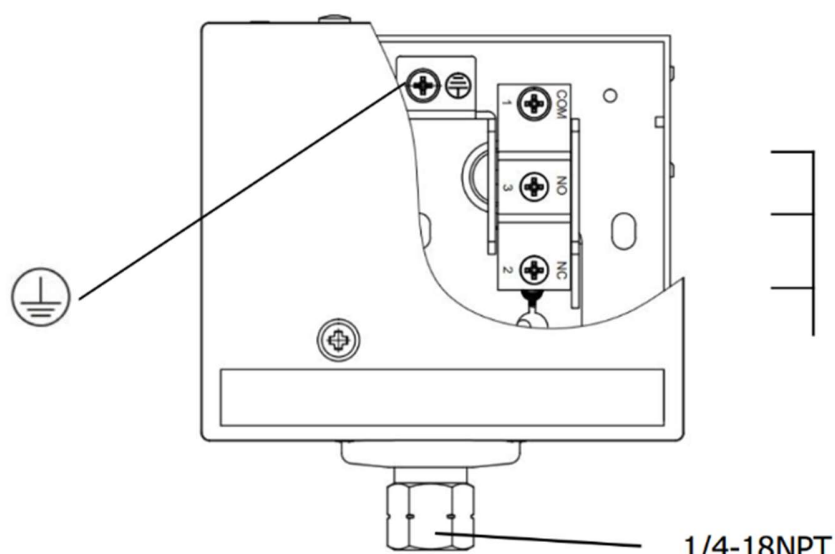
Switch Operation Instructions

Normally open (NO) switch mode; when pressure rises, switches 1 and 2 disconnect.



Panel Description

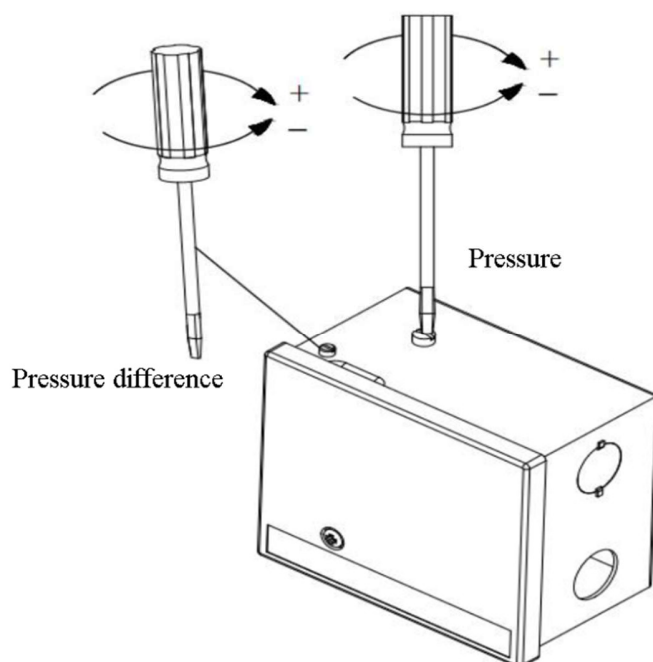


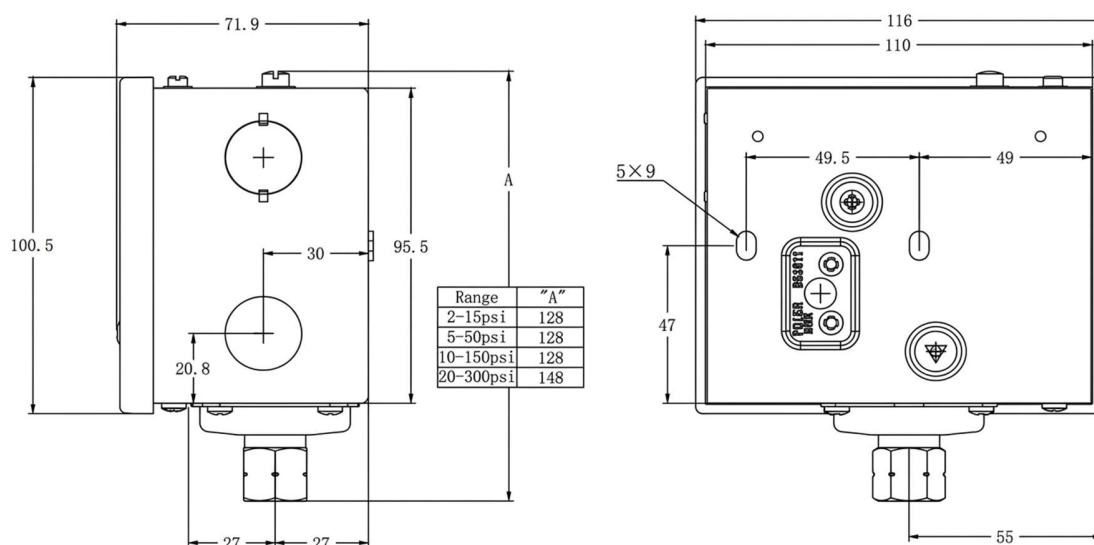


Copper wire should be used with
a torque not exceeding 2.5 N·m.

Pressure Adjustment

Using a flathead screwdriver, initially adjust the pressure screw. Second, adjust the differential pressure screw: clockwise to increase, counter-clockwise to decrease.





Pressure Range & Model Selection

Model	Pressure Range		Differential Pressure Range		Maximum Working Pressure	
	kPa	psi	kPa	psi	kPa	psi
DR3513-15	15-100	2-15	15-40	2-6	170	25
DR3513-50	35-350	5-50	40-100	6-14	590	85
DR3513-150	70-1035	10-150	70-150	10-22	1550	225
DR3513-300	140-2070	20-300	140-345	20-50	2410	350