



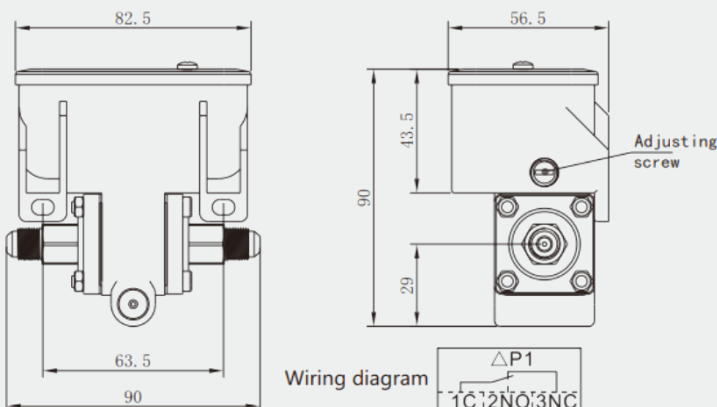
OverView:

DPS52 series pressure switch is an adjustable differential pressure switch designed to meet various requirements, offering an alternative to paddle flow switches and eliminating the need for yearly replacements in chiller operations. It triggers alarms or cutoff signals when preset water flow values are reached, fitting seamlessly into narrow spaces while ensuring reliable performance. Widely employed in engineering, it detects pressure disparities in water filters, pumps, heat exchangers, and chilling systems, effectively indicating pump or water filter status.

Feature:

- Adjustable differential pressure switch designed for applications with varying pressure requirements
- Provides an alternative to paddle flow switches, eliminating the need for yearly replacements in chiller operations
- Triggers alarms or cutoff signals when preset water flow values are reached, enhancing automatic control system functionality
- Compact size allows for installation in narrow spaces without sacrificing quality or reliability
- Widely used in engineering applications to detect pressure differences in water filters, pumps, heat exchangers, and chilling
- Effectively indicates the status of pumps or water filters

Dimensions:



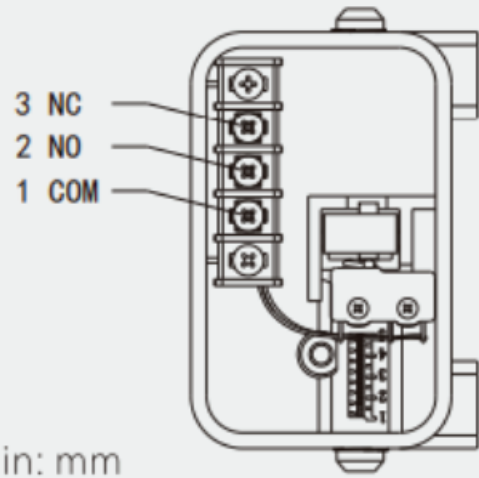
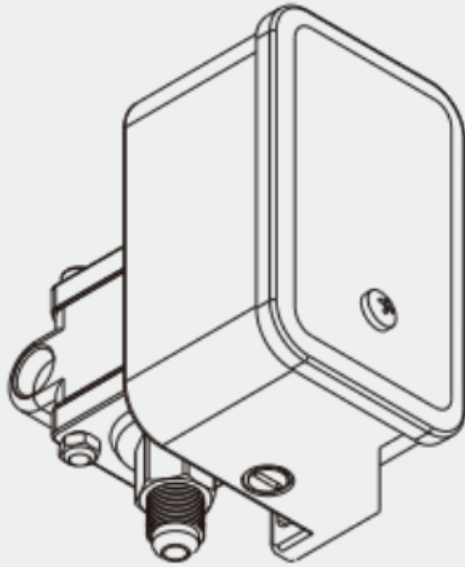
DPS52

Differential Pressure Switch



Application:

- Monitoring water filters to detect pressure differences and ensure efficient filtration.
- Supervising pumps to maintain optimal pressure levels and prevent equipment
- Controlling the operation of heat exchangers by triggering alarms or cutoff signals based on preset pressure values.
- Regulating chilling and coil systems to optimize performance and prevent system failures.
- Providing effective indication of pump or water filter status for maintenance purposes.
- Implementing automatic control systems in various engineering applications to enhance system efficiency and reliability.



Dimension in: mm

Specifications:

Medium	Water , air ,oil and other non-corrosive medium
Contact	Single group SPDT (microswitch)
Electrical Specifications	3A 250VAC 5A 125VAC
Storage temperature	-29°C~82°C
Ambient temperature	-20°C~71°C
Medium temperature	-20°C~93°C fluid
Maximum allowable static pressuretemperature	16bar
Maximum allowable differential pressure	10bar
Set point repeatability deviation	±1%
Contact	Protection class IP54
Accessories are optional (default if not required)	Converted capillary

Working pressure

Adjustable	Model	Differential pressure adjustable range kPa	Return difference kPa	One turn variation kPa
Working Pressure	52A-15	5-15	3±1	1
	52A-30	5-30	3±1	2.2
	52A-70	6-70	3±1	5.5
	52A-100	6-100	5±1	6.5
	52A-200	10-200	6±1	16
	52A-300	20-300	7±1	25
	52A-400	30-400	8±1	38

Order Informations:

DPS52	Code and description		Remark
	Differential Pressure Switch		Model
1	Brass		Connector Material
2	SS 316L		
	1	7/16"UNF FEMALE	Connector Thread
	2	7/16" UNF MALE	
	3	R1/4" MALE	
	4	G1/4" MALE	
	5	1/4"NPT MALE	
	6	connect φ8 soft tube	
	7	connect φ6 steel pipe	
	1	English	Instruction Manual
	1	Plastic Gland PG16	Wiring
	2	Brass Nickel Plated Gland PG16	