

SUCH-PS-LF52A

Differential
Pressure switch



(1) Product overview:

LF52A series pressure switch is an adjustable differential pressure switch.

It is developed for applications that are used in small quantities and have different requirements for differential pressure values. It is an alternative to paddle flow switches. Avoid the disadvantage that the chiller needs to replace the paddle flow switch every year. When the water flow (differential pressure) in the system rises or falls to the set value, it will output an alarm or cut-off signal to the automatic control system.

The unique small size of LF52A can cope with various narrow installation environments. At the same time, take into account the quality and reliability, and give full play to the product performance. It is widely used in engineering to detect the pressure difference of water filters, pumps, heat exchangers and other chillers and coils. Can also be used to indicate the status of a pump or water filter.

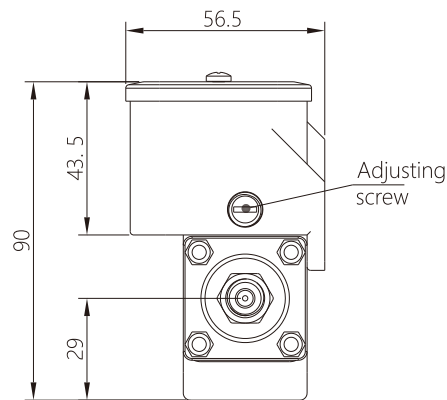
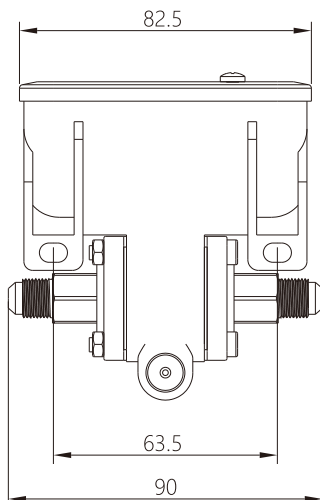
(2) Reference standard:

1. UL508

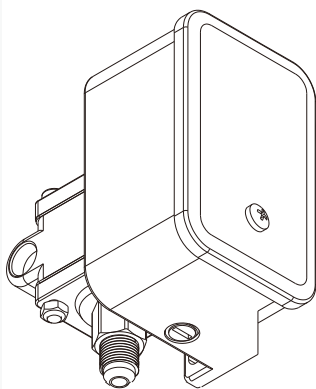
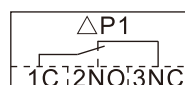
2. GB14048-2000 "General Rules for Low-Voltage Switchgear and Control Equipment";

3. GB14048.5-2000 "Low-voltage switchgear and control equipment - Part 5-1 Control electrical appliances and switching elements - Electromechanical control circuit electrical appliances"

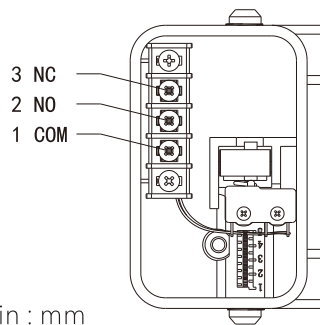
4. ROHS certification



Wiring diagram



Dimension in : mm



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

SUCH-PS- LF52A Series Order Ref NO

LF52A-30-1-1-1-1-15kpa

A B C D setpoint

Code	A Connector Material	B Connector Thread	C Instruction Manual	D Wiring Protection
1	Brass	7/16" UNF FEMALE	Chinese and English	Plastic Gland PG9
2	SS 316L	7/16" UNF MALE	Chinese	Plated Gland Pg9
3		R1/4" MALE	English	
4		G1/4" MALE		
5		1/4" NPT MALE		
6		connect φ8 soft tube		
7		connect φ6 steel pipe		

Specification

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