

Series minitype no display pressure switch



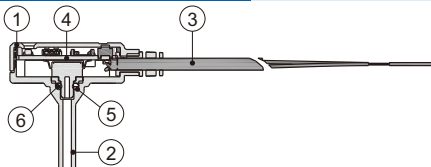
Symbol



Product feature

1. Larger measurement range. Easy to install.
2. Two lines type or three lines type(PNP output mode) to be chosen.
3. Single button to finish learning setting. Normally close and normally open can be exchanged.
4. Two kinds of setting mode(Simple mode and middle value mode) to be chosen.

Inner structure



Specification

Item\Model	884625	884626
Voltage	DC24V±10%	DC12~24V±10%
Pressure range	-100kPa~1000kPa	
Applied fluid	Air, Non-corrosive gas, Incombustibility gas	
Repetitive accuracy	±0.7%F.S	
Temperature accuracy	±2.5%F.S	
Hysteresis	<2%F.S	
Operating Temp. range	0~60℃	
Output style	5~40mA	30V/100mA Max.
Voltage drop	5.5V Max.	0.7V Max.
Output type / Cable	2 lines / 5m	3 wires PNP / 5m
Method of adjusting pressure	Learning button	
Leakage current	1.0mA Max.	
Storage temperature	-20~75℃	
Tube O.D.	Φ6mm	
Special function	Two sets model, NO/NC switch	
Production circuit	Power reverse polarity, surge suppression	
Protection	IP40	

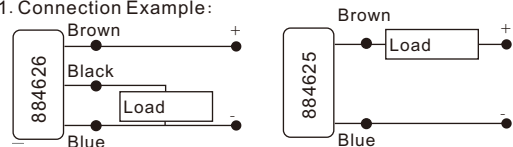
[Note1] Two lines type be used under DC20V, leakage current might excess 1mA to lead PLC damage and error acting.

[Note2] If relay be used as joint points, capacitance(>50V/100uF) should be used to recede leakage current.

No.	Item	Material	No.	Item	Material
1	Up cover	PC	4	PCBA	
2	Basic seat	PC+ABS	5	Gasket	POM
3	Wire Line	PVC	6	O-ring	NBR

Installation and application

1. Connection Example:



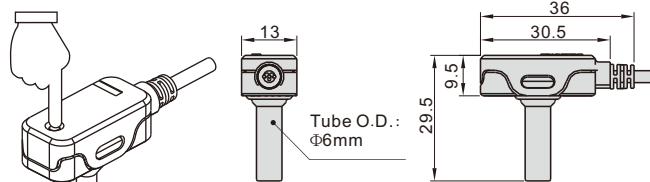
2. Function operation:

- 2.1) Quick setting: Press the SET button for less then two seconds to finish quick setting.
- 2.2) Middle value setting: Press the SET button for two to five seconds to finish setting valve A;
Press the SET button again to finish setting valve B. * Middle valve=(A+B)/2 *
- 2.3) N.O./N.C. switch: Press the SET button for six to ten seconds to finish N.O./N.C. switching.
- 2.4) Lock/Unlock switch: Press the SET button for eleven to twenty seconds to finish Lock/Unlock switching.
- 2.5) Factory-fresh state: Press the SET button for over twenty seconds to return factory-fresh state.

3. Notes:

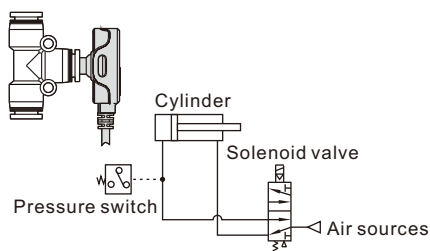
- 3.1) Avoid dropping, beating, impacting which might damage the pressure switch and bring error acting.
- 3.2) Wire line drawing force is 30N, more then this force might damage it.
- 3.3) Causticity or flammability gas and liquid can't be used.
- 3.4) Can't binding with power wire line and higher voltage wire line when wiring.
- 3.5) If use the pressure switch to drive relay, solenoid valve directly which easy create overrun voltage load, the overrun voltage absorb unit should be set.

Dimensions

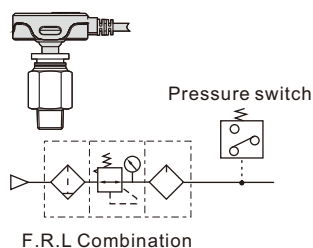


Use example

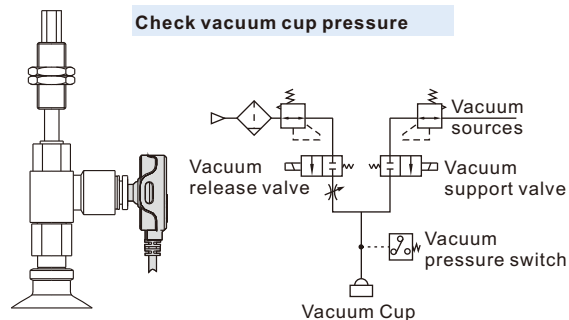
Check cylinder pressure



Check air source pressure



Check vacuum cup pressure



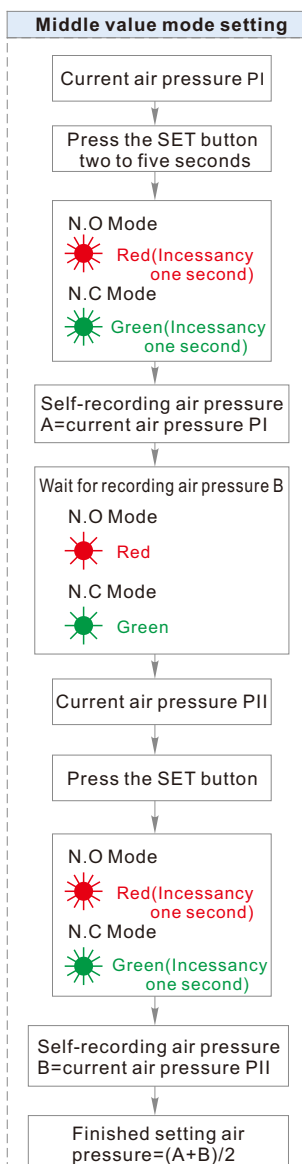
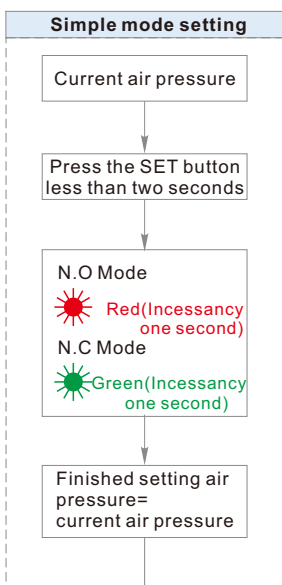
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Flashing light explanation

● Fix light  Quick flashing light (Per 0.1 sec.)  Flashing light (Per 1 sec.)  Slow flashing light (Per 3 sec.)

Simple mode			Middle value mode				
Light station	Pressure Switch station		Light station	Pressure Switch station			
	Red(continuance 1 sec.): N.O. mode	Finished setting action		Red(continuance 1 sec.): N.O. mode	Finished setting air pressure value		
	Green(continuance 1 sec.): N.C.mode			Green(continuance 1 sec.): N.C.mode			
	Red N.O. mode , Sense value>Setting value			Red N.O. mode			
	Green N.C. mode , Sense value<Setting value			Green N.C. mode			
	Red N.O. mode , Sense value<Setting value			Red N.O. mode , Sense value>Setting value			
	Green N.C. mode , Sense value>Setting value			Green N.C. mode , Sense value<Setting value			
				Red N.O. mode , Sense value<Setting value			
				Green N.C. mode , Sense value>Setting value			
Continue mode			Overrun caution				
Light station	Pressure Switch station		Light station	Pressure Switch station			
	Red and green alternating lights: wait to set			Red and green alternating lights : Overrun caution			

Operation explanation



N.O./N.C. Mode switch

Press the SET button six to ten seconds

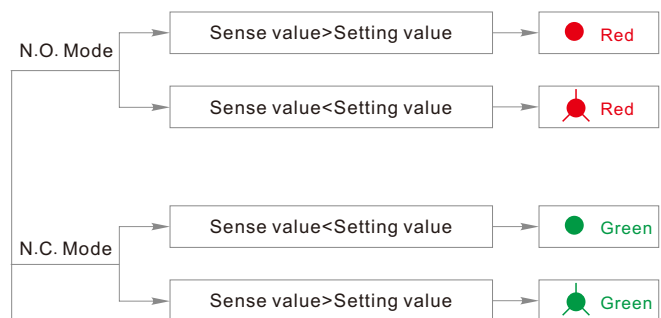
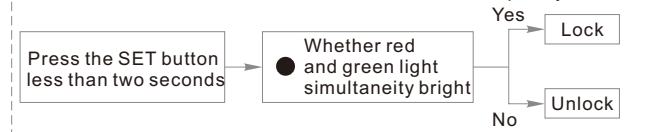
Reset(Return to normal station)

Press the SET button more than ten seconds	
	Normal value
Setting value	0kPa
N.O./N.C. Mode	N.O.
Lock/Unlock	Unlock

Lock/Unlock Mode

1. Lock: To be continued more then 120 seconds self-lock
2. Unlock: Press the SET button two seconds self-unlock

* Differentiate the button whether "Lock" station quickly



[Note] Overrun caution

(1) - 100kPa~ 1000kPa:

When air pressure lower or higher than measurement range, the red light and green light will alternating coruscate quickly, please resume to measurement range.