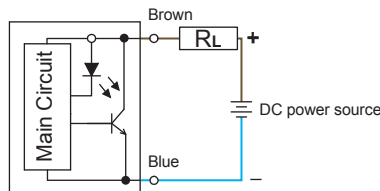


# CAUTION

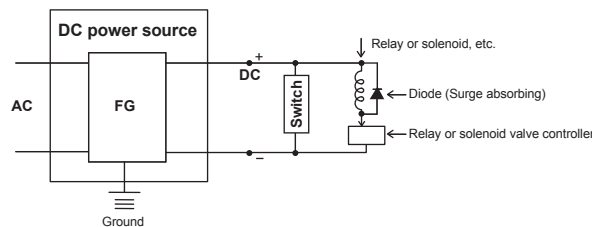
## Pressure Sensor

1. When using a 2-wire type pressure sensor (AP101/102), please make sure it is connected to a proper resistance load. Otherwise excessive current will damage the switch permanently.

2. When using a 2-wire type pressure sensor (AP101/102), only connect it to a DC power source, and polarity must be observed.  
Only connect the brown wire to the positive (+), blue wire to the negative (-).  
Permanent damages to the pressure sensor will occur if the connections are reversed.

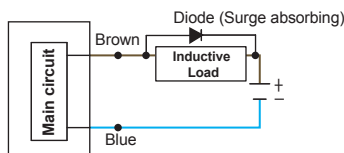


3. To improve stability of the pressure sensor and the whole circuit in general, it is recommended to properly ground the DC power source.  
If the same power source for the pressure sensor is used with other inductive loads (such as relay or solenoid), attach a circuit protection diode or surge suppressor to prevent damages to the pressure sensor.

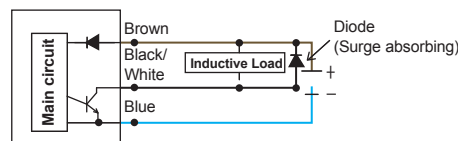


4. When using with inductive load (such as relay or solenoid), please install a protection circuit parallel to the load to extend the service life of pressure sensor.  
If using with DC inductive load, install a diode across the load to remove surge, but polarity must be observed or damages to pressure sensor may occur.

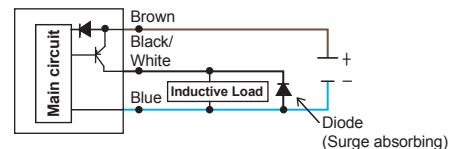
### 2 wire switch type



### NPN type



### PNP type

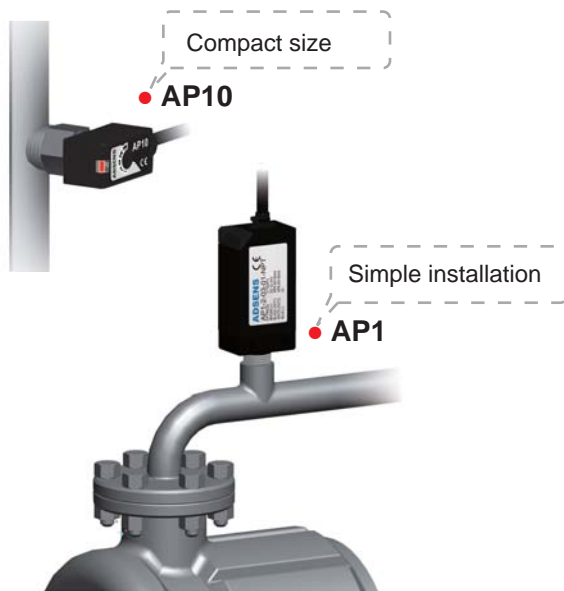


5. Before installation or removal, please make sure the power is OFF, line pressure has been released, to avoid personnel injuries and damages to the pressure sensor or other losses.

6. Please properly ground all noise inducing equipment (such as induction motor), avoid noise affect the pressure sensor normal operation.

7. Do not use corrosive gases or liquids as pressure media.

## 1 Detection of line pressure



## 2 Pressure display of line pressure

- ◆ Digital display, easy readout
- ◆ Replace traditional analog gauge



## 3 Pressure display of pneumatic equipment

- ◆ Accurate read out with wide viewing angle
- ◆ IP65 enclosure, dust-proof and splash-proof



## 4 Pressure display and control of pressure in reservoir tank

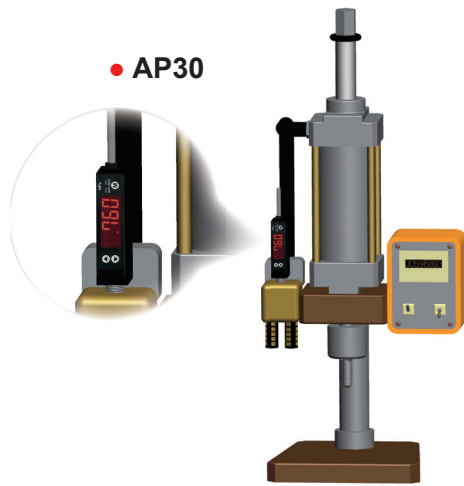
- ◆ Programmable pressure unit: 8 types
- ◆ IP65 enclosure, dust-proof and splash-proof



5

## Pressure display and control of press machine

- ◆ Two sensor outputs and one analog output:1~5V
- ◆ High display accuracy:  $\pm 0.2\%$  F.S.



6

## Leakage test

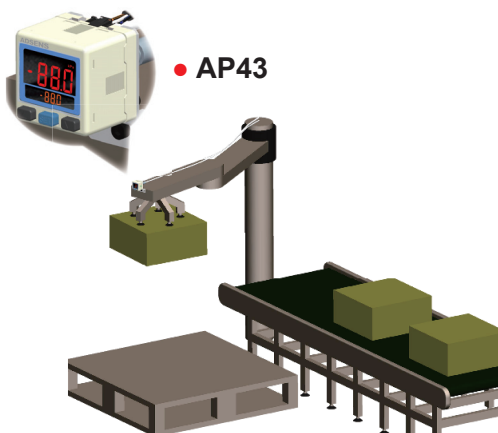
- ◆ 3-color digital display, easy readout



7

## Operation of suction pads, transport

- ◆ 3-color digital LCD display, easy readout
- ◆ 2 NPN or 2 PNP output
- ◆ Analog output:1~5V or 4~20mA



8

## Pressure display of F.R.L. unit

- ◆ Battery type gauge
- ◆ Digital display, easy readout
- ◆ IP65 enclosure, dust-proof and splash-proof

