

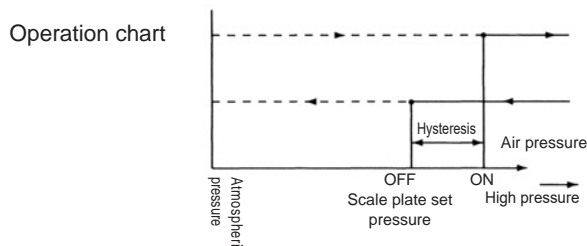
## ⚠ Precautions for use

### ■ Mounting, installation and adjustment

#### ⚠ CAUTION

##### 1 Setting pressure

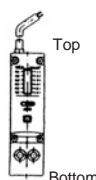
- Pressure displayed on the scale plate is used as the reference. When setting pressure, refer to the separate pressure gauge.
- Pressure displayed on the scale plate is the value when the contact is OFF. To set the value when the contact is ON, set the pressure displayed on the scale plate to a value smaller than that from which hysteresis has been subtracted. If not set, operation may not take place at the set value (see the figure below). (Hysteresis refers to the pressure range from when the switch is turned on to the set pressure until the pressure drops and the switch turns OFF.)



- Turning the adjusting screw in the L (low pressure) direction further from 0.1MPa setting activates the stopper and the adjusting screw does not turn. Note that if torque is forcibly applied in the L (low pressure) direction, the adjusting screw may lock and become inoperable.

##### 2 Installation:

- Do not drop or bump the product when handling it.
- Wire such that repeated bending or tension are not applied to the lead wires. Otherwise, this could lead to disconnection.
- Do not use the product near a strong magnetic field or large current (large magnet or spot welding machine, etc.). This may cause malfunction.
- The pressure switch is equivalent to IP-20, but the installation direction is limited to upward vertical. If water enters the atmospheric pressure inlet port from below, pipe an M3 fitting and extend with tubing to where water does not enter. Do not plug the atmospheric pressure inlet port. Plugging could cause malfunctions to occur. Not for outdoor use.
- P\*100 Series  
If there is drainage in pneumatic piping, install so that the pressure switch is higher than the drain.
- Do not pressurize the atmospheric release port or blow it with compressed air. Product performance could decrease or the product could be damaged.



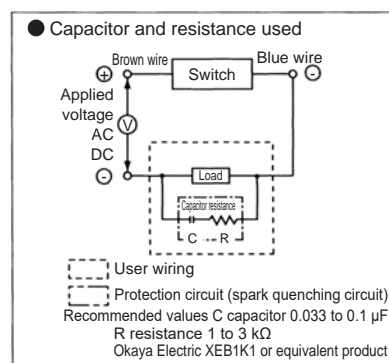
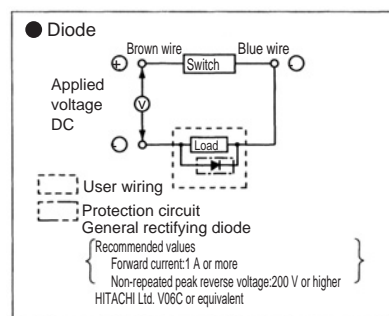
##### 3 Wiring

- Connecting the lead wire
  - (1) Do not connect the lead directly to the power supply. Connect the load serially. Failure to do so may result in burning out the lamp or melting the contact.
  - (2) When used for DC, connect the brown wire on the positive (+) side and the blue wire on the negative (-) side. The lamp will not come on if wires are connected in reverse.
  - (3) When connected to the AC relay or PC input, the switch lamp may not come on if the circuit is half-wave rectified. In this case, the lamp comes on if the switch lead wire polarity is reversed.
- Contact capacity  
Do not exceed the specified load voltage or load current range.

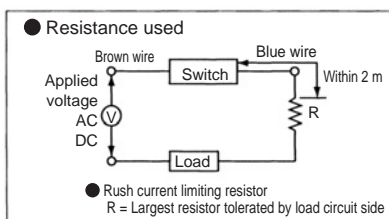
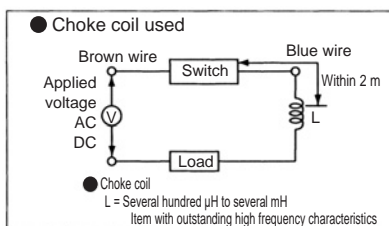
Failure to do so may result in burning out the lamp or melting the contact. The lamp may not come on if the current is less than the rated current.

##### ● Contact protection

When using this sensor with an inductive load such as a relay, provide the contact protection circuit shown below. The contact could melt if this protection circuit is not provided.



- (2) If DC wiring exceeds 50m or AC wiring exceeds 10m, the wiring capacity will be reached, and a rush current will occur, damaging the switch or shortening the service life. Install a contact protection circuit if the wiring length is exceeded.



F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filtr
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRISens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending