

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  
WaterRtSens  
TotAirSys  
(Total Air)  
TotAirSys  
(Gamma)  
Gas  
generator  
RefrDry  
DesicDry  
HiPolymDry  
MainFiltr  
Dischrg  
etc  
Ending



Compact mechanical pressure switch

# APS-W Series

● General purpose discrete specifications (APS)

JIS symbol



## Specifications

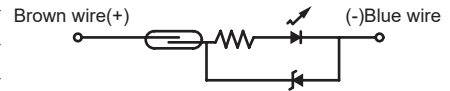
Item	APS-W
Working fluid	Compressed air
Max. working pressure MPa	1.0
Set pressure MPa	0.1 to 0.6
Hysteresis MPa	0.08 or less
Repeatability MPa	±0.02 or less
Contact array	1a *1
Wiring	Lead wire (oil resistant vinyl cabtyre cable 2-conductor 0.2mm <sup>2</sup> )
Ambient/fluid temperatures	5 to 60°C
Degree of protection *2	IP 65 or equiv.
Weight g	69

\*1: The contact turns ON if air pressure exceeding the scale set pressure is applied.  
\*2: However, mounting direction is to be vertical. When water enters into the atmospheric release port from the bottom, connect an optional fitting and extend the tube until water does not enter. Not for outdoor use.

### Wiring section specifications

Load voltage	12/24 VDC	100 VAC
Load current	5 to 50 mA	7 to 20 mA
Internal voltage drop	3 V or less	
Lamp	LED (Lit when ON)	
Max. shock	294 m/S <sup>2</sup>	
Insulation resistance	20 MΩ and over at 500 VDC megger	
Withstand voltage	No failure after 1 minute of 1,000 VAC application.	

### Internal circuit diagram

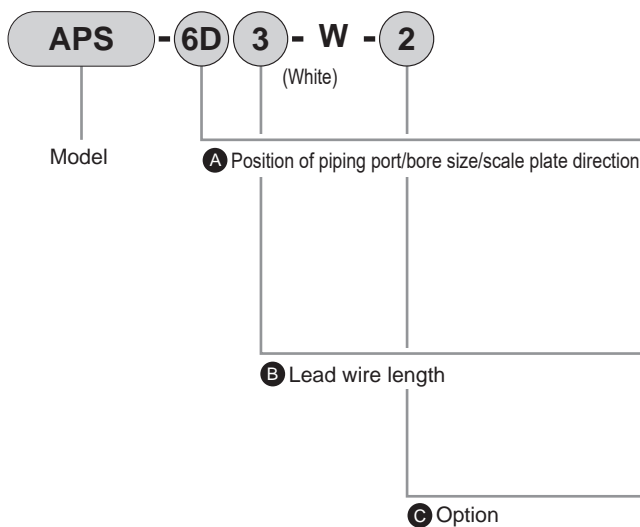


### Option weight

\* Add to the weight of the standard accessories. Unit: g

Code	Lead wire length		Option		
	3	5	1	2	4
APS	30	60	6	7	1.5

### How to order



Code	Description
<b>A Position of piping port/bore size/scale plate direction</b>	
6B	Back surface Rc1/8, vertical *1
6D	Bottom surface Rc1/8, vertical
6F	Back surface flange, vertical
6L	Both side surfaces Rc1/8, vertical *1
6Y	Back surface flange, horizontal
<b>B Lead wire length</b>	
Blank	1m
3	3m
5	5m
<b>C Option</b>	
Blank	No
1	DIN rail bracket attached (6D) only
2	Nipple attached (6D) only
4	Fitting for atmospheric pressure inlet port (elbow for M3) attached

Specifications for rechargeable battery (CataraGNo.CC-1226)

● Design compatible with rechargeable battery manufacturing process

APS - ..... -

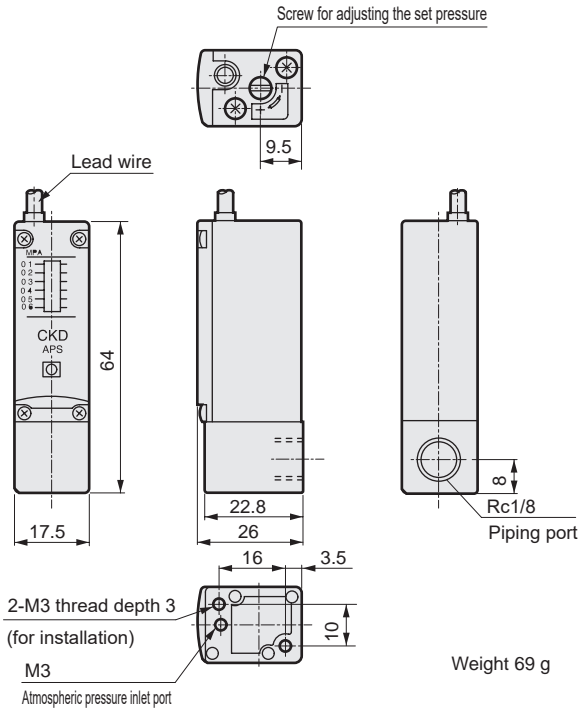
P4

\*1: When installing on the bottom, be careful not to block the atmospheric release port.

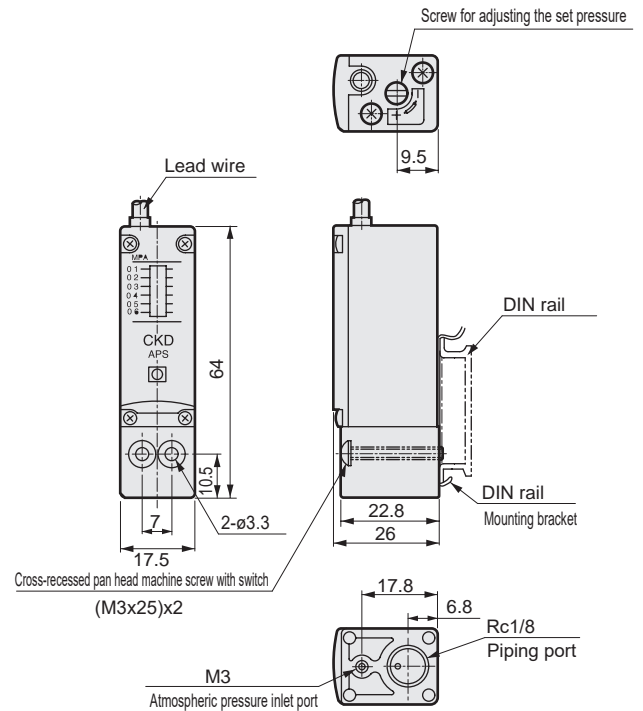
dimensions



● APS-6B-W

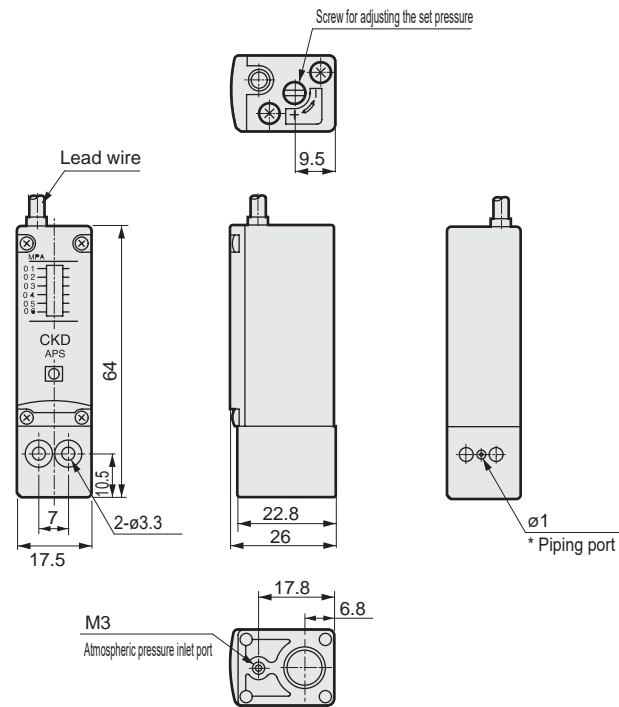


● APS-6D-W

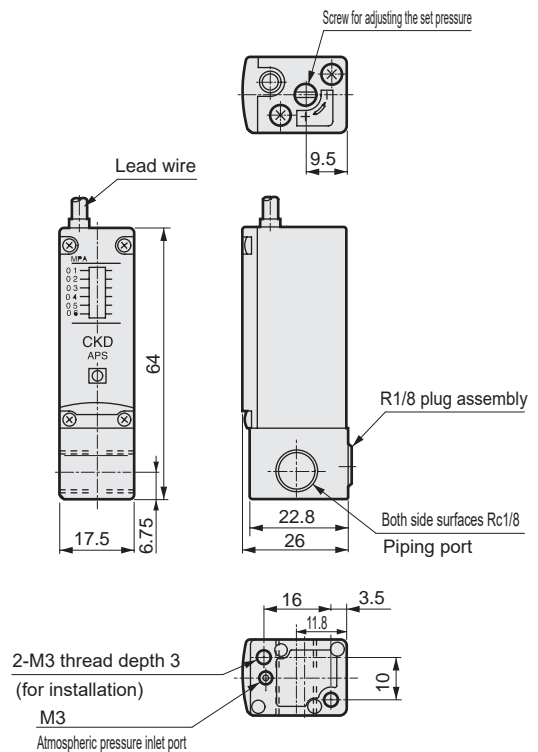


Note: When installing on the bottom, be careful not to block the atmospheric release port.

● APS-6F-W



● APS-6L-W



\* CAUTION: The O-ring has a 1.2 inner diameter. Machine the pressure outlet hole on the installation surface to ø1 or less in diameter.

Note: When installing on the bottom, be careful not to block the atmospheric release port.

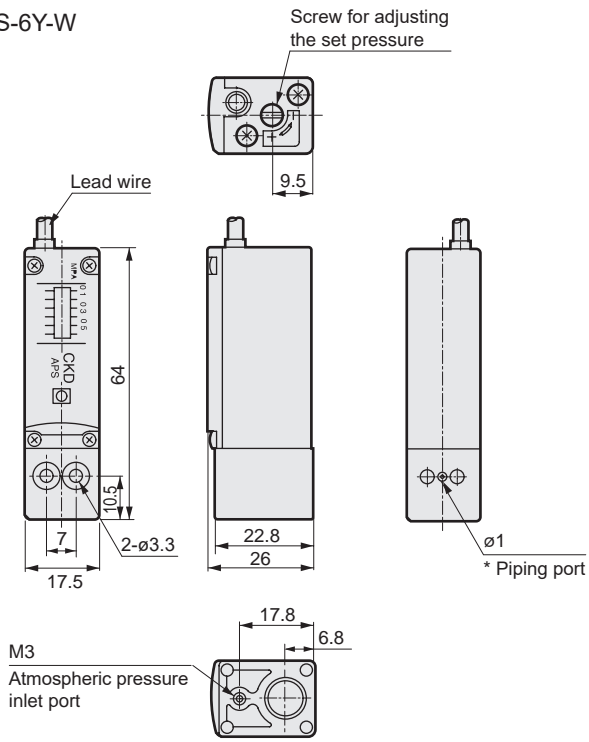
- F.R.L.
- F.R.
- F (Filtr)
- R (Reg)
- L (Lub)
- Drain Separ
- Mech Press SW
- Res press exh valve
- SlowStart
- Anti-bac/Bac-remove Filtr
- Film Resist FR
- Oil-ProhR
- Med Press FR
- No Cu/ PTFE FRL
- Outdris FRL
- Adapter Joiner Press Gauge
- CompFRL
- LgFRL
- PrecsR
- VacF/R
- Clean FR
- ElecPneuR
- AirBoost
- Speed Ctrl
- Silncr
- CheckV/ other
- Fit/Tube
- Nozzle
- Air Unit
- PresCompn
- 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



## F.R.L. Dimensions

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
WaterRtSens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

### ● APS-6Y-W



\* CAUTION: The O-ring has a 1.2 inner diameter.  
Machine the pressure outlet hole on the installation surface to  $\phi$ 1 or less in diameter.