

Circuit device (logic valve)

When conducting sequential control by associating several air cylinders, the circuit is assembled with logic valves. The logic valve is the generic term for small movable fluid control components configuring a circuit.

Logic valve



■ Logic valve

Part name	Model No.	JIS symbol	Page
Air timer	RTD-3A		1644
Pressure switch	PE-1		1645
Air lamp	R (red) AL-B (blue) Y (yellow)		1645
Compact air lamp	SAL- R (red) B (blue)		1646

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

Air timer

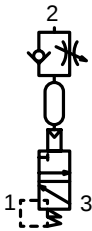


Specifications

1 MPa = 10 bar

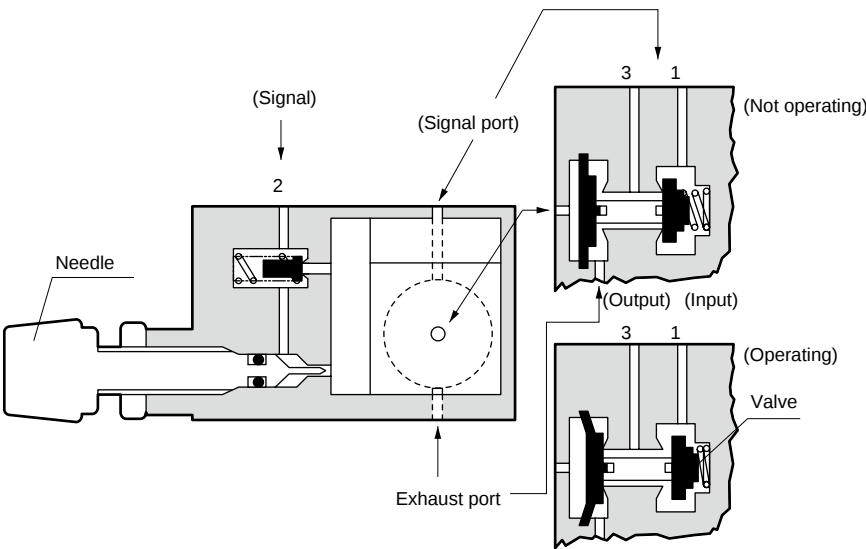
JIS symbol

Item	RTD-3A
Working fluid	Compressed air
Working pressure MPa	0.25 (≈36 psi) to 0.8 (≈120 psi)
Pilot pressure MPa	0.25 (≈36 psi) to 0.8 (≈120 psi)
Ambient temperature °C	5 (41°F) to 60 (140°F)
Delay time sec	MAX30
Port	IN port.....No.1 OUT port.....No.3 Pilot port.....No.2
Connection	Push-in
Connection tube	O.D. ø4 nylon tube
Weight g	379

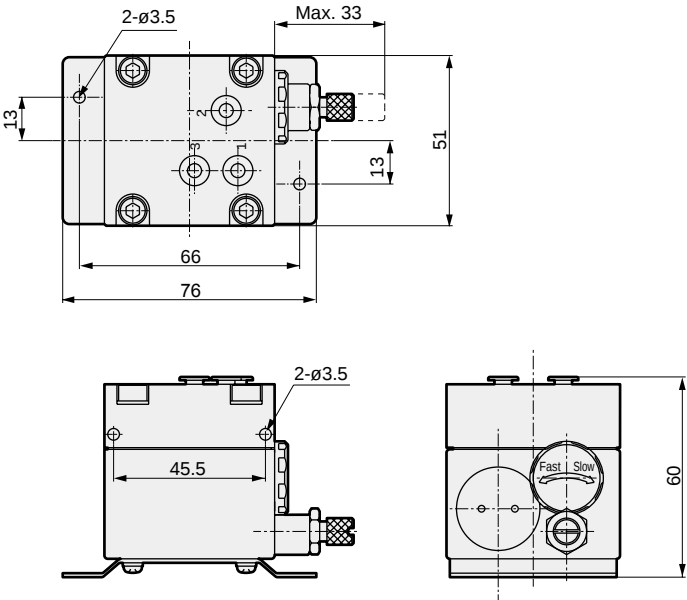


Model No. **RTD-3A**

Operational explanation

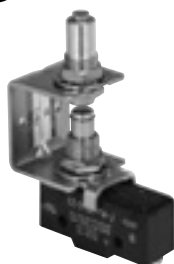


Dimensions



Pressure switch

RoHS

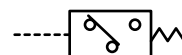


Specifications

1 MPa = 10 bar

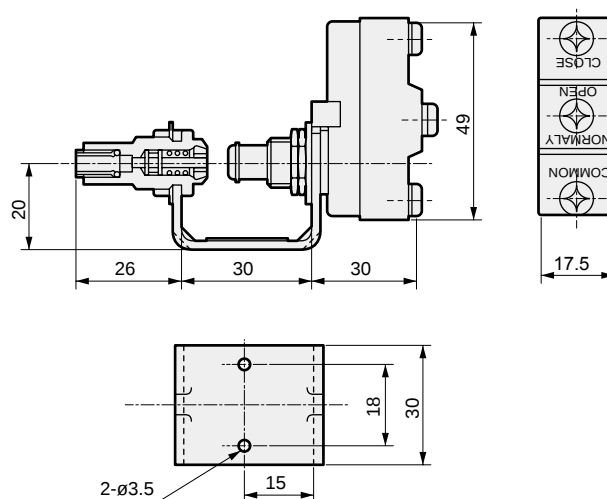
Item	PE-1
Working pressure MPa	0.2 (≈29 psi) to 0.7 (≈100 psi)
Electric capacity	15 A or less...125, 250, 480 VAC 0.5 A or less...125 VDC 0.25 A or less...250 VDC
Connection	O.D. ø4 nylon tube Push-in connection
Weight g	102

JIS symbol



Model No. **PE** - **1**

Dimensions



Air lamp

RoHS



Specifications

1 MPa = 10 bar

Item	AL-R,AL-B,AL-Y
Working pressure MPa	0.05 (≈7.3 psi) to 0.8 (≈120 psi)
Panel	Surface display
Connection	O.D. ø4 nylon tube Push-in connection
Weight g	51

Model No.

AL - **R**

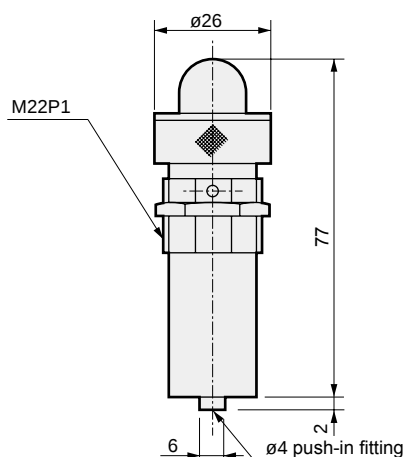
JIS symbol



Display color

R	Red
B	Blue
Y	Yellow

Dimensions



WARNING

Do not attach a pipe wrench, etc., onto the main body (knurled section) and apply excessive force. It could damage the product body.

CAUTION

Do not modify this product. There is a risk of injury and damage.

Compact air lamp

RoHS



Specifications

1 MPa = 10 bar

Item	SAL-R,SAL-B
Working pressure MPa	0.25 (≈36 psi) to 0.8 (≈120 psi)
Connection	Insert into ø4 push-in fitting
Weight g	3.8

Model No.

SAL - R

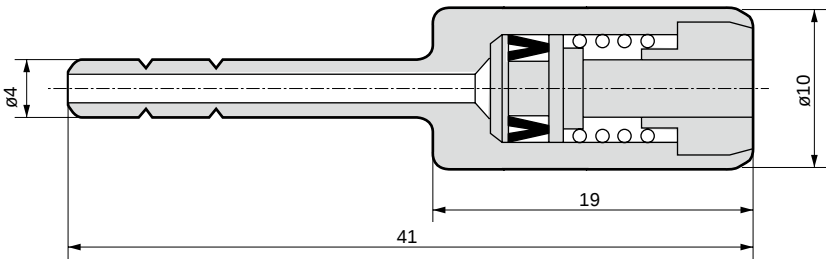
JIS symbol



Display color

R	Red
B	Blue

Dimensions



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 Filt
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