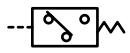
Circuit device (logic valve)

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

Air timer

RoHS

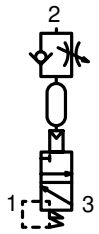


Specifications

1 MPa = 10 bar

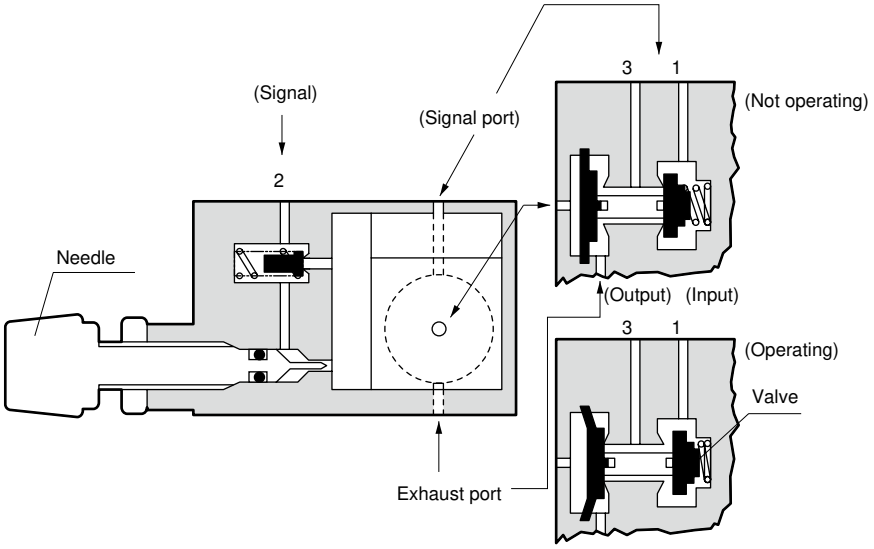
Item	RTD-3A
Working fluid	Compressed air
Working pressure MPa	0.25 (≈36 psi) to 0.8 (≈120 psi)
Pilot pressure MPa	0.25 (≈36 psi) to 0.8 (≈120 psi)
Ambient temperature °C	5 (41°F) to 60 (140°F)
Delay time sec	MAX30
Port	IN port.....No.1 OUT port.....No.3 Pilot port.....No.2
Connection	Push-in
Connection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

JIS symbol

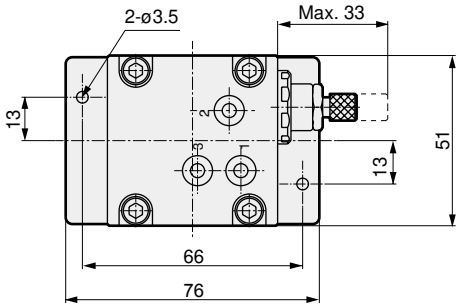


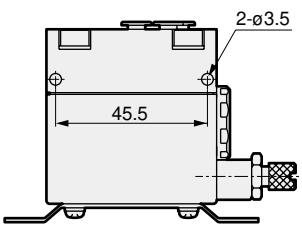
Model No. **RTD** – **3A**

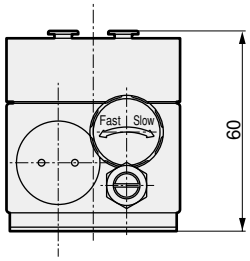
Operational explanation



Dimensions







Pressure switch

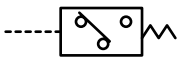


Specifications

1 MPa = 10 bar

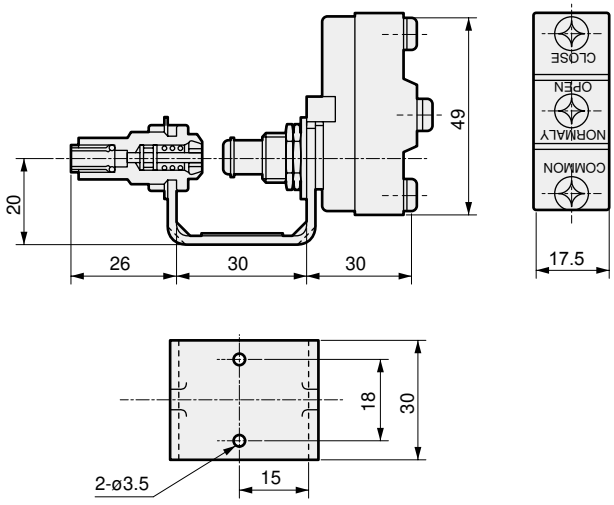
Item		PE-1
Working pressure MPa		0.2 (≈29 psi) to 0.7 (≈100 psi)
Electric capacity		15 A or less...125, 250, 480 VAC 0.5 A or less...125 VDC 0.25 A or less...250 VDC
Connection		O.D. ø4 nylon tube Push-in connection
Weight	g	102

JIS symbol



Model No. PE – 1

Dimensions



Air lamp



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.

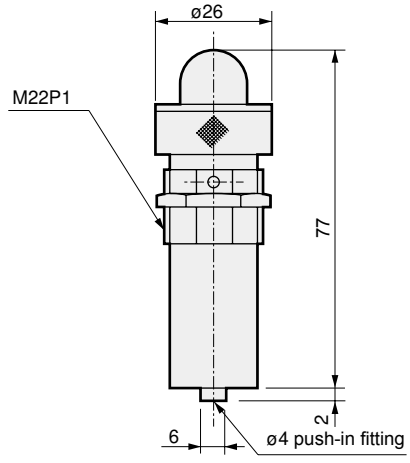
AL – R

Display color	
R	Red
B	Blue
Y	Yellow

JIS symbol



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

Display color	
R	Red
B	Blue

JIS symbol



Dimensions

