## **Compact Manifold Regulator**

**Common Supply Type** ARM11A Series



#### 3. Regulator Block Stations

1 station 2 stations
2 stations
3 stations
4 stations
5 stations
6 stations
7 stations
8 stations
9 stations
10 stations

### 4. IN/OUT Fitting Type (Refer to the figure below.)

Maunting parities	IN side				OLIT oldo			2	Mounting position	im IN cido											
Woulding position		maia	IIN S	siue	-lh ei		Chro	JOI	Siu	UNDE)	Mounting position		troio	IIN S	side	lhe		Chris	JUUI	SILLE	e Not
Fitting type	5	raig	nt	1		N L 10	Stra	ugnt	EIDO	W News/	Fitting type	5	traig	nt		-IDO	N	Stra	light	EIDO	Willia
Symbol	Ø6	Ø8	ø10	Ø6	Ø8	Ø10	ø4	Ø6	Ø4	Ø6	Symbol	01/4	05/16	Ø3/8	Ø1/4	05/16	Ø3/8	05/32	Ø1/4	05/32	Ø1/
07	•						•				57	•			_			•			
08	•							•			58	•		- (	-	-	-		•		
09		•					•				59		•		×.,			•			
10		•						•			60		•	<u></u>							
11											61										
12			•					•			62										
19									۲		69			1	•						
20				•							70				•						
21					۲				۲		71					۲					
22					•					$\bullet$	72					•					
23						۲			۲		73						•			۰	
24						•					74										
26	•							1	•		76	•								۲	
27											77	•									
28		٠							•		78		•							•	
29		٠									79		•								
30			•					1	۲		80			•						•	
31			٠								81			۲							
33				•			•				83				•			•			
34				•				•			84				•				•		1
35					۲		•				85					۲		•			Γ
36					•			•			86					•			•		1
37						•	•				87						•	•			1
38		-						•			88								•		t

side). Use caution to ensure the connector is not disturbed, depending on piping direction, when choosing to attach a digital pressure switch. Knob position: Bottom



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OUT piping position: Bottom Rear side (DIN rail side)

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# Compact Manifold Regulator Common Supply Type **ARM11A** Series

With ssure display

pressure

switch

block with

pressure switch L side

supply block

**Pressure switch** block

L side

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3-way valve

common

supply block

100 A 100

L side

#### 5. Accessories

	Pressure di	splay Note 1, 2)	S	upply bloc	k type Note	ə 3)	Supply bl	ock mountir	g position	Without	
Symbol	Without pressure display	With pressure display	Common supply block	Common supply block with pressure switch	3-way valve common supply block	3-way valve common supply block + Pressure switch block	L side (Left)	R side (Right)	B side (Both)	pressure display	press
Nil	•						•				
Α				•			•				
В	•				•		•			(5)	-
С						•	•				04 0.6
D			•					•			0 MPa
E				•							SAC
F					•					-	1000
G						•		-			With
	•									pi pi	ressure
J J			-								guage
		ě			•						
M		ě				•	ě			Common supply	
N		ě	•				-	•		block	y c
0		Ó		•				Ó		biook	F
P		•			•			•			/ [
Q		•				•		•		L SIDE	
R		Ó	•						•		
Note 1) Pr	ressure disp	olay means	a pressure	gauge or di	igital pressu	ure switch is	attached.				۲ ا

When choosing to attach a digital pressure switch is chosen for attachment, be sure to enter the symbol, referring to table &, "Digital Pressure Switch Output Specifications". Otherwise, a pressure gauge will come with the regulator.

Note 2) Pressure gauges are not compatible with copper-free and fluorine-free specifications. Note 3) Pressure switches are not available with the oil-free specification.

#### 6. Semi-standard

Symbol	None	0.35 MPa setting Note 1)	Non- relieving	Note 2) Oil-free
Nil	•			
1		•		
2				
3				•
4			•	
5		•		•
6			•	•
7 🧹		•	•	•

8. Digital Presure Switch Output Specifications Note

Symbol	Details
Nil	None
N	NPN open collector
Р	PNP open collector

Note) When a digital pressure switch is attached, the "pressure display" in table 5 "Accessories" will be equipped. The electrical entry is positioned on the side opposite the knob.

Note 1) A pressure gauge with a full span of 0.4 MPa is attached. Note 2) The oil-free specification is grease-free in the fluid contact area

#### 7. Unit Representation

Symbol	Description
Nil	Display unit for product name plate and pressure gauge: MPa
Z Note 1, 2)	Display unit for product name plate and pressure gauge: psi
ZA Note 1, 3)	Digital pressure switch: with unit switching (MPa is initially set.)

Note 1) This option is available for use outside Japan only (The SI unit has to be used in Japan.) Additionally, the pressure switch offers dual unit presentation in MPa and psi.

- Note 2) The digital pressure switch is equipped with unit switching and initially set to psi. Note 3) This option is available with the digital pressure
- switch. A lead wire with connector (2 m) is included

#### Symbol



Note) A standard model is equipped with a backflow function. Main valve opens when the inlet pressure is released, and then the outlet pressure backflows into the inlet side.

### Specifications

Manifold (Regulator block, (	Common supp	ly block, 3-way valve common supply block				
Regulator construction		Direct acting				
Working principal		Diaphragm regulator				
Stand		Relief type				
Relief mechanism	Optional	Non-relieving type				
Backflow function Note 1)		Within (Unbalance type)				
IN side tubing O.D.		ø6, ø8, ø10, ø1/4, ø5/16, ø3/8				
OUT side tubing O.D.		ø4, ø6, ø5/32, ø1/4				
Proof pressure		1.5 MPa				
Maximum operating pressur	e	1.0 MPa				
	Standard	0.05 to 0.7 MPa				
Set pressure range	Optional	0.05 to 0.35 MPa (Low pressure type)				
Fluid		Air				
Ambient and operating fluid ter	nperature Note 2)	5 to 60°C				
Note 1) 0.1 MPa or greater set press	sure is required wh	en used in the reverse flow.				

Note 2) 5 to 50°C when the digital pressure switch will be used.

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Refer to pages 734 and 736 for the digital pressure switch and pressure switch specifications.



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