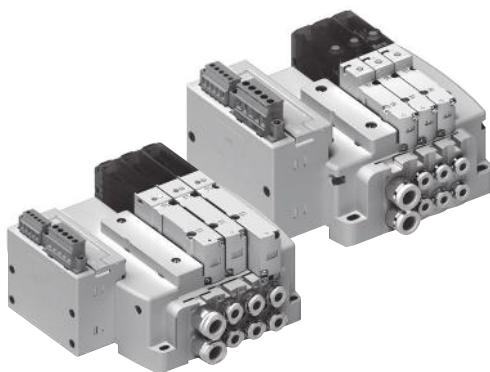


# Series **SI UNIT**

## Serial Interface Unit (Plug-In Type Solenoid Valve)



- SIMPLE INSTALLATION
- OUTPUT 16-POINT
- RESPONSE OF IP20(RS1000, RS2000) AND IP65(RS4000)

### How to Order Manifold Side Cover

**RSM** **1** **A** — **SU1** **C** — **B** — **T8**

**Series**

1	RS1000(10mm)
2	RS2000(15mm)
4	RS4000(24mm)

**Network Type**

SU1	Output only (16-point)
-----	------------------------

**Protocol**

C	CC-Link
N	DeviceNet

**P, E Port Extracting Location**

B	"B" Side (2~10 Station)
T	"T" Side (2~10 Station)
A	Both Side (2~16 Station)

Note) In case of RS 4000, possible to mount only B-side

**Pilot Specifications**

Blank	Internal Pilot
N	Internal Pilot Silencer Equipped
P	External Pilot
PN	External Pilot Silencer Equipped

Note) In case of RS4000 with silencer equipped, inquire separately.

**P, E Port Size**

Symbol	mm	Symbol	Inch	Applied Series
T8	Ø8	U8	Ø5/16"	RS1000
T10	Ø10	U10	Ø3/8"	RS2000
04	P, R : Rc(PT) 1/2 PE, X : Rc(PT) 1/4	04U	P, R : NPT 1/2 PE, X : NPT 1/4	RS4000

\*Mant is non standard

**Weight sheet** (Unit : g)

Type	RS1000	RS2000	RS4000
B, T	320	410	2,000
A	390	530	—

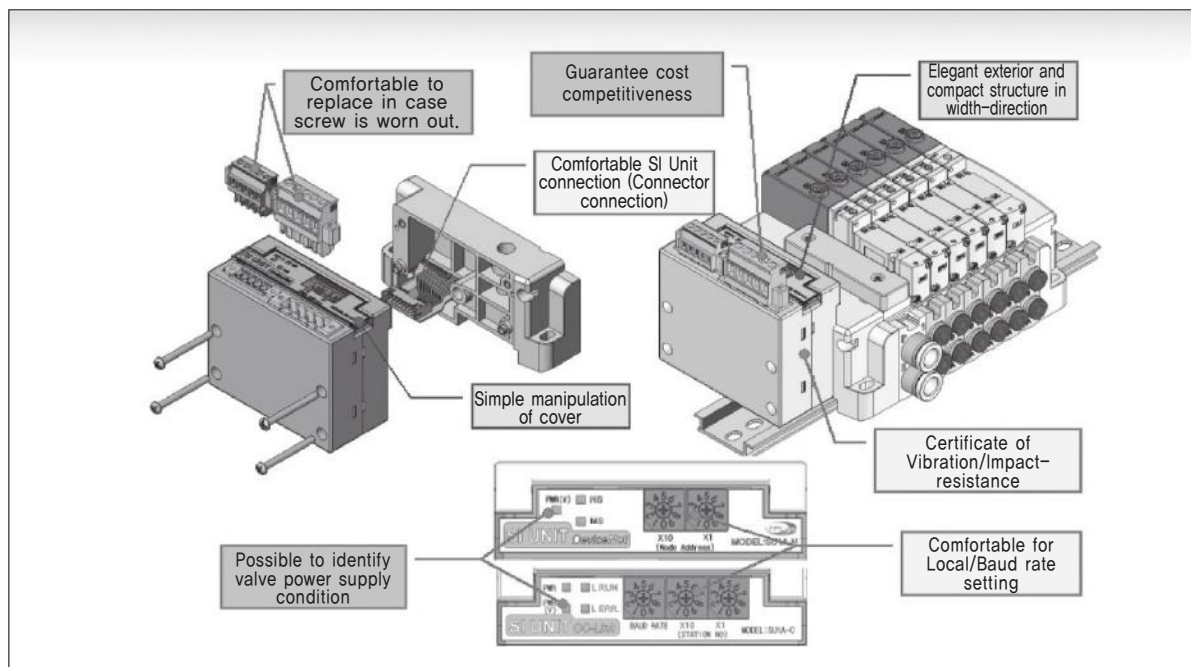
**Diagram for P, E Port Extracting Location:**

B (2~10 Station)		RS1000 RS2000
T (2~10 Station)		
A (Over 11 Station)		RS4000
B (2~10 Station)		

\* Refer to RS Series standard product order type for valve and accessories beside the type above.

## Series SI UNIT

## RS1(2)000



DW

DR100

DR200

RS1000,  
2000

RS4000

SI UNIT

DV1000  
DV3000  
DV5000

DS300

DS3000

DS5000

DS2000

DS6000

DX1,DX2

DX1(2)R

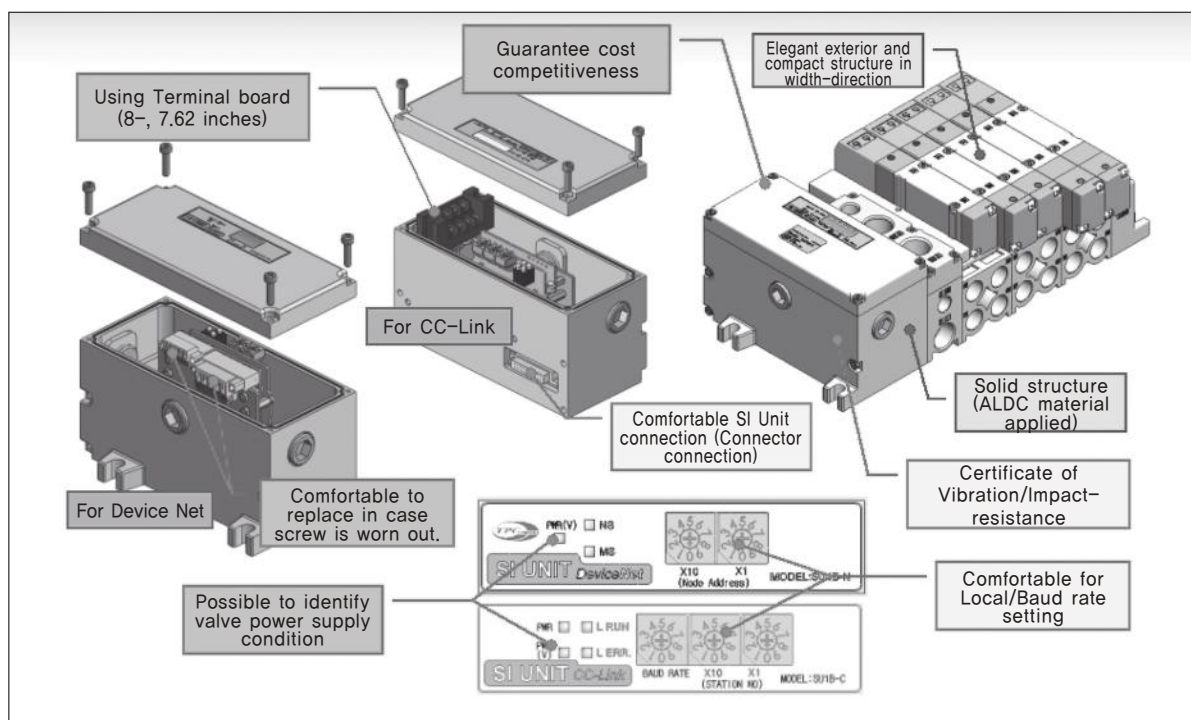
DH

DP300  
DP3000  
DP5000

DM

DT220

## RS4000



## Series SI UNIT

### How to Order Manifold

**RSM 4 - SU1 C - 05 B - 03**

Series

4	RS4000(24mm)
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Network Type

SU1	Output only (16-point)
-----	------------------------

Protocol

C	CC-Link
N	DeviceNet

Valve Station Number

02	2 Stations	Double wiring specification
↓	↓	
08	8 Stations	Single wiring specification (Note1)
↓	↓	
02	2 Stations	Single wiring specification (Note1)
↓	↓	
16	16 Stations	Single wiring specification (Note1)
↓	↓	

Note 1) Please present specification in accordance with arrangement assignment.

P, E Port Extracting Location



Pilot Specification

Blank	Internal pilot
-------	----------------

A, B Port Size (mm)

Symbol	A, B Port	P, R, PE, XPort
02	Rc(PT) 1/4	P, R : Rc(PT) 1/2
03	Rc(PT) 3/8	PE,X : Rc(PT) 1/4

A, B Port Size (Inch)

Symbol	A, B Port	P, R, PE, XPort
02U	NPT 1/4	P, R : NPT 1/2
03U	NPT 3/8	PE,X : NPT 1/4

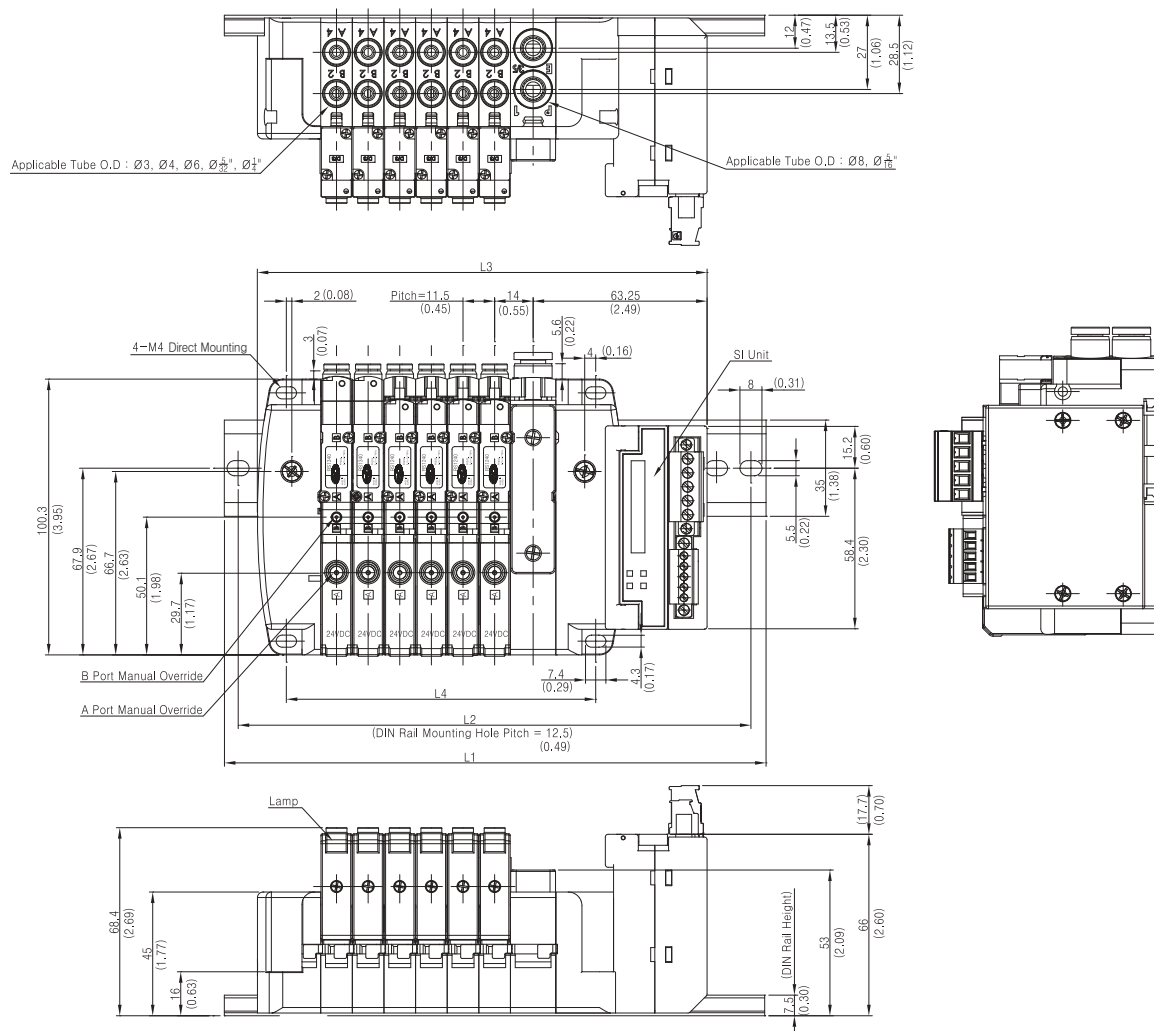
※ Refer to RS Series standard product order type for valve and accessories beside the type above.

### Specification

Item		CC-Link	DeviceNet
Voltage		DC24V	
Range of Voltage	Communication Power	DC24V±10%	
	Electric Valve	DC24V +10%/-5%	
Output Point		16 Point	
Paragraph Protection		Applied	
Electric Current Consumption	Communication and Internal Power	70 mA or Less	100 mA or Less
	Valve Power	2A or Less	
Valve Contact Valve Specifications	Output	NPN	
	Contact Load	DC24V Which Has Lamp Surge Voltage Protection Circuit Less Than 2.1W	
	Insulation Type	Photo Coupler Insulation	
Residual Voltage		0.5V or Less	
Environment Resistant Performance	Protection Structure	IP20(RS1000, 2000), IP65(RS4000)	
	Vitage Resistant	AC500V 1min. (Between FG and External Terminal)	
	Insulation Resistance	10 MΩ or More, (DC500V, Between FG and External Terminal)	
	Vicinity Temperature	During Operation : 0~50℃, During Storage : -20~60℃	
	Vicinity Humidity	35%~85% RH(Should be Freeze-Independent)	
	Vibration Resistant	5~9Hz(Constant Amplitude) 1.75mm, 9Hz~150Hz(constant Acceleration) 4.9m/s <sup>2</sup> 3 Times Each in X, Y and Z Direction	
	Impact Resistant	147 m/s <sup>2</sup> , 3 Times Each in X, Y and Z direction	
Utilization Circumstance		Should be Free Form Corrosive Gas	
Responding System		Ver. 1.10	Volume I (Edition 2.1), Volume III (Edition 1.1)
Address Setting Range		1~64	0 ~ 63
Communication Maximum Distance		1,200 m	500 m
Communication Speed		156k, 625k, 2.5M, 5M, 10 Mbps	125k, 250k, 500 kbps
Responding Message		Polling Message	COS/Cyclic/Polling I/O Message
Slave Type		Remote I/O	Group 2 Only Server
Contact Type		T-Division Type, Multi-Drop Type	T-Division Type, Multi-Drop Type

## Series SI UNIT

External Dimension Drawing (RS1000)



## Dimensions

L	n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L1	mm	200				250				300				350		
	inch	7.87				9.84				11.81				13.78		
L2	mm	187.5				237.5				287.5				337.5		
	inch	7.38				9.35				11.32				13.29		
L3	mm	117.5	129	140.5	152	163.5	175	186.5	198	209.5	221	232.5	244	255.5	267	278.5
	inch	4.63	5.08	5.53	5.98	6.44	6.89	7.34	7.80	8.25	8.70	9.15	9.61	10.06	10.51	10.96
L4	mm	66.5	78	89.5	101	112.5	124	135.5	147	158.5	169.5	181	192.5	204	215.5	227
	inch	2.62	3.07	3.52	3.98	4.43	4.88	5.33	5.79	6.24	6.69	7.14	7.59	8.04	8.49	8.94

Note1) In case of over 11-connection set, Sub/Exh block is mounted at both sides.

Note2) In case of additional installation of Sup/Exh, L3 and L4 should add 16.5(0.65) X N from standard dimension above.

DW

DR100

DR200

RS1000,  
2000

RS4000

SI UNIT

DV1000  
DV3000  
DV5000

DS300

DS3000

DS5000

DS2000

DS6000

DX1,DX2

DX1(2)R

DH

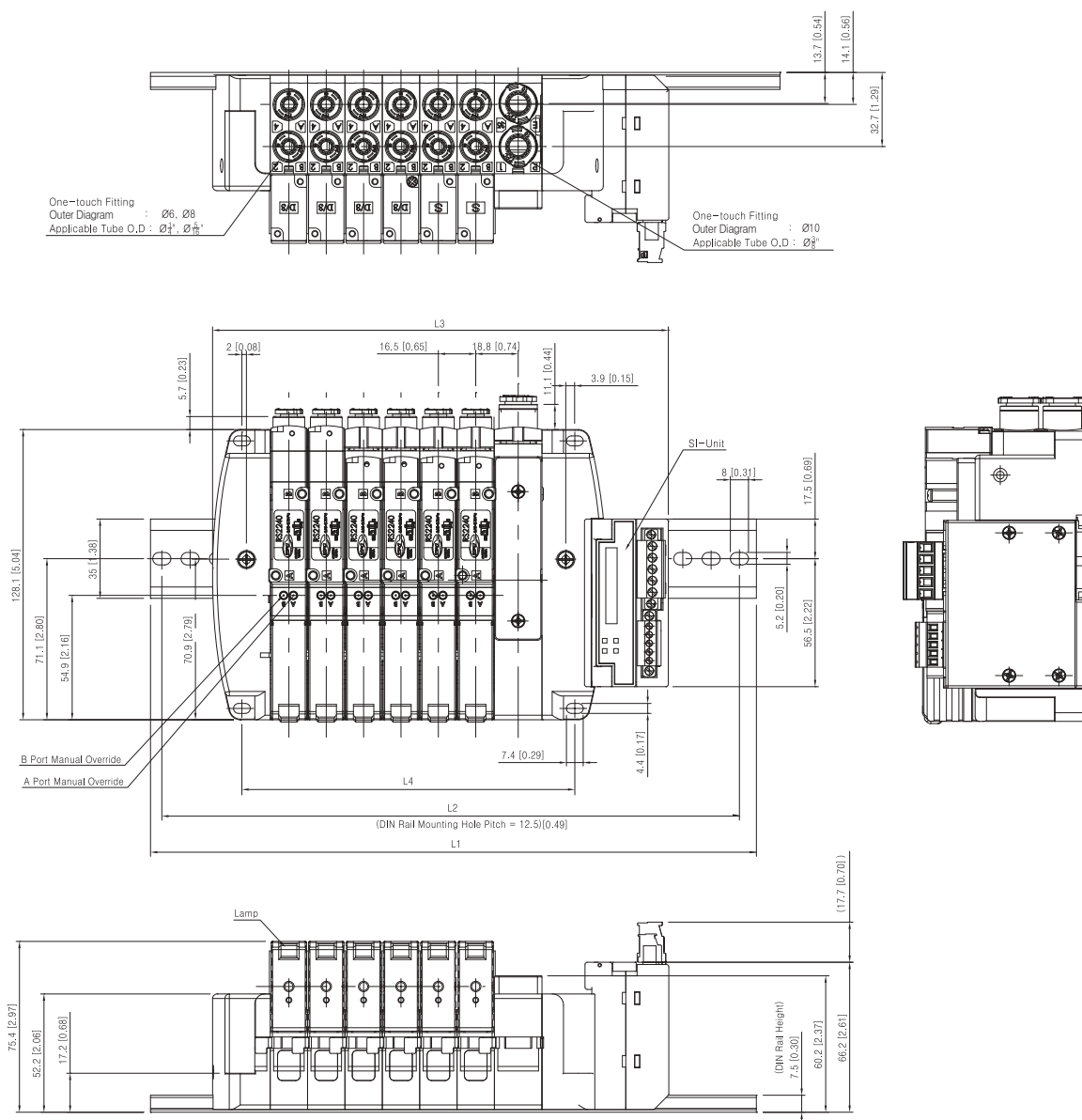
DP300  
DP3000  
DP5000

DM

DT220

## Series SI UNIT

### External Dimension Drawing (RS2000)



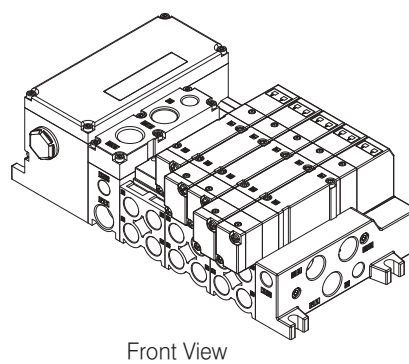
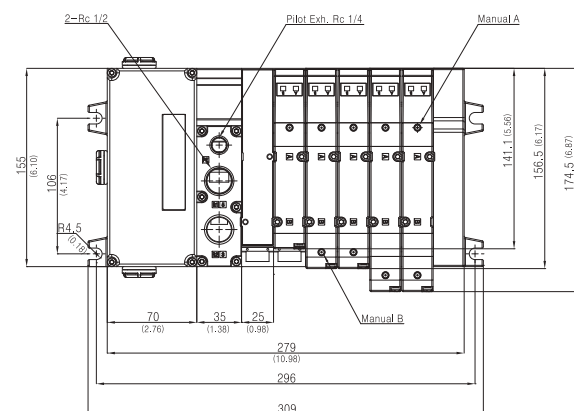
#### Dimensions

L \ n		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
L1	mm	250				300				350				437.5			
	inch	9.84				11.81				13.78				17.22			
L2	mm	237.5				287.5				337.5				425			
	inch	9.35				11.32				13.29				16.73			
L3	mm	135.2	151.7	168.2	184.7	201.2	217.7	234.2	250.7	267.2	283.7	300.2	316.7	333.2	349.7	366.2	
	inch	5.32	5.97	6.62	7.27	7.92	8.57	9.22	9.87	10.52	11.17	11.82	12.47	13.12	13.77	14.42	
L4	mm	81	97.5	114	130.5	147	163.5	180	196.5	213	229.5	246	262.5	279	295.5	312	
	inch	3.19	3.84	4.49	5.14	5.79	6.44	7.09	7.74	8.39	9.04	9.69	10.33	10.98	11.63	12.28	

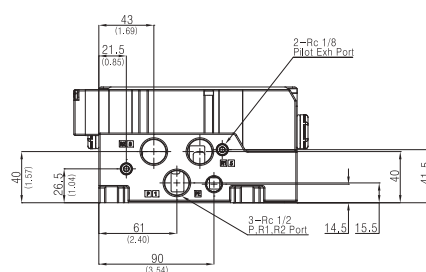
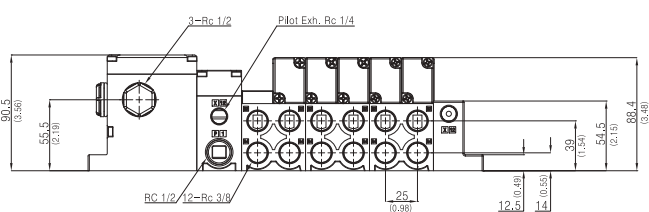
Note1) In case of additional installation of Sup/Exh, L3 and L4 should add 16.5(0.65) X N from standard dimension above.

**Series SI UNIT**

### External Dimension Drawing (RS4000)



Front View



## Dimensions

(Unit : mm)

L \ n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
L1	209	234	259	284	309	334	359	384	409	434	459	484	509	534	559	584	609
L2	196	241	246	271	296	321	346	371	396	421	446	471	496	521	546	571	596

Note1) Formula  $L1=25n+159$

Note2) Formula  $L2=25n+146$

DW

DR100

DR200

	RS1000, 2000
1987	1000
1988	1000
1989	1000
1990	1000
1991	1000
1992	1000
1993	1000
1994	1000
1995	1000
1996	1000
1997	1000
1998	1000
1999	1000
2000	1000
2001	1000
2002	1000
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2017	1000
2018	1000
2019	1000
2020	1000
2021	1000
2022	1000
2023	1000
2024	1000
2025	1000
2026	1000
2027	1000
2028	1000
2029	1000
2030	1000

RS4000

SI UNIT

DV1000  
DV3000  
DV5000

DS300

DS3000

DS5000

DS2000

DS6000

DX1,DX2

DX1(2)R

DH

DP300  
DP3000  
DP5000


DM


DT220

## Series SI UNIT

### Safety Notices

- ※ Safety notices should be complied since it is to prevent accident and risk with proper and safe utilization of product.
- ※ Notices are divided to "Warning" and "Notice", and their indications are as below,

 **Warning** : In case of violation, it may cause severe injury or death.

 **Notice** : In case of violation, it may cause light injury or damage to product.

#### **Warning**

- 1) This product is produced to utilize for general FA equipments. Please contact the company in case of utilization of this product for facilities which possibly generate huge impact on human life and asset  
(ex : nuclear energy control, medical equipment, vehicles, railway, aviation or safety equipment).
- 2) Do not carry out maintenance or checking with power supplied. It may cause electric shock.
- 3) Disassembly for repair or remodeling is prohibited except technician of manufacturer. It may cause injury or damage.

#### **Notice**

- 1) Do not use outdoors.  
It may shorten lifespan of product or cause electric shock.
- 2) Be cautious during operation of product.  
Do not apply excessive impact (over 100m/s<sup>2</sup>). It may cause damage or failure of product.
- 3) The product must be utilized within the range of specifications. It may shorten lifespan of product, and cause fire.  
If using beside product specifications (voltage, vicinity temperature, impact, etc), it may cause damage or failure of product.
- 4) Secure sufficient space for maintenance.
- 5) Be cautious for wiring. Users should fully understand wire connection method for proper wiring procedures.  
Incorrect wiring may cause failure of product, damage, fire or electric shock.
- 6) Carry out wiring where power cable or high-tension power line is not located, otherwise noise or surge is mixed into signal line.
- 7) Do not utilize the product in combustible or explosive gas areas.  
In case of using in combustible or explosive gas areas, it may cause injury owing to fire or explosion.
- 8) Do not utilize the product in the locations where vibration, impact, moisture or direct light are existed.  
It may cause fire or explosion.
- 9) If heat source exists around the product, radiant heat should be blocked.
- 10) Do not utilize the product in the location where surge generating source exists.  
It may cause damage or failure of product, and make a measure not to allow surge come into signal line.
- 11) Do not allow dust or wire leftover come into the product. It may cause fire or device failure.
- 12) Utilization environment should be considered along protection structure.  
Utilization of IP20 in water or oil flying location is prohibited, and utilizes IP65 with unused port being closed.

※ Refer to additionally provided Operation manual for installation-related details.