

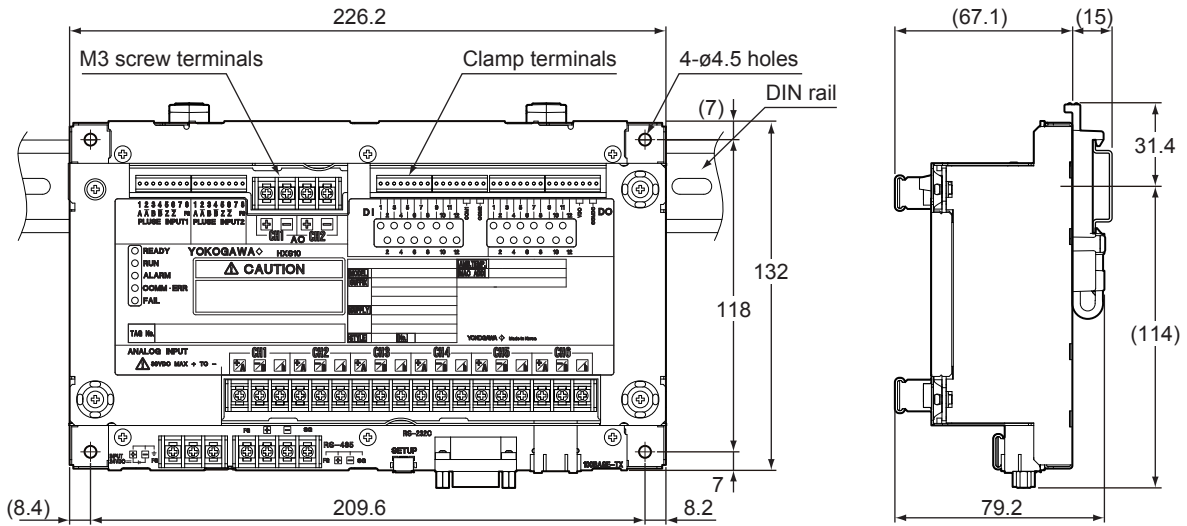
# Drawings

## Model HXS10 Application Specific Controller

SD 25G10B01-01EN

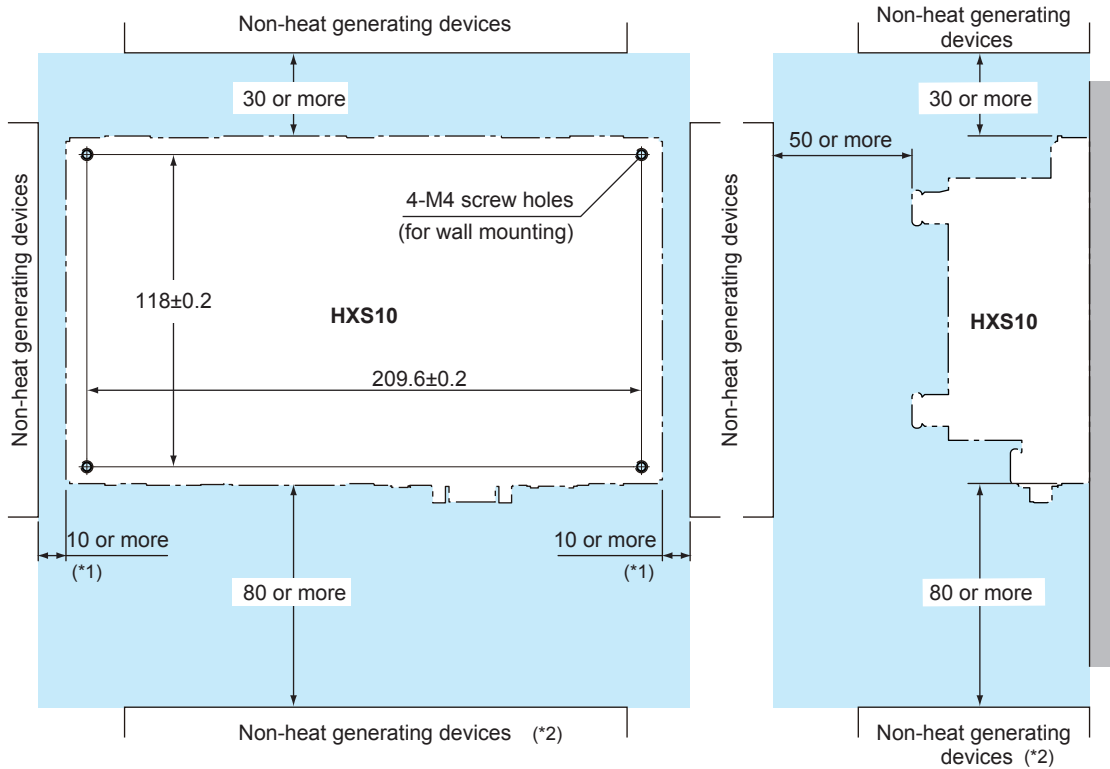
### External Dimensions

Unit: mm



If not specified, the tolerance is  $\pm 3\%$ . However, in cases of less than 10 mm, the tolerance is  $\pm 0.3$  mm.

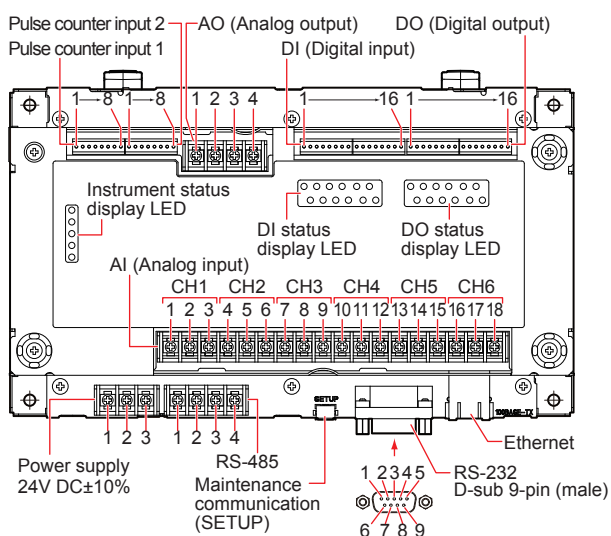
### Mounting Dimensions



\*1 When there is the heat generating device, keep at least a 50 mm space between the HXS10 and the heat generating device

\*2 Do not install HXS10 to the location just above the high-heat-generating equipment.

## Terminal Assignments



### Power Supply 24 V DC

Terminal No.	Function
1	24V DC +
2	24V DC -
3	FG

### Analog Output (AO)

Terminal No.	0–20mA/ 4–20mA
1	CH1 (+)
2	CH1 (-)
3	CH2 (+)
4	CH2 (-)

### Analog Input (AI)

Terminal No.	TC	mV	V	RTD
1	CH1 (+)	CH1 (+)	CH1 (+)	CH1 (A)
2	CH1 (-)	CH1 (-)	CH1 (-)	CH1 (B)
3	Do not use.	Do not use.	Do not use.	CH1 (b)
4	CH2 (+)	CH2 (+)	CH2 (+)	CH2 (A)
5	CH2 (-)	CH2 (-)	CH2 (-)	CH2 (B)
6	Do not use.	Do not use.	Do not use.	CH2 (b)
7	CH3 (+)	CH3 (+)	CH3 (+)	CH3 (A)
8	CH3 (-)	CH3 (-)	CH3 (-)	CH3 (B)
9	Do not use.	Do not use.	Do not use.	CH3 (b)
10	CH4 (+)	CH4 (+)	CH4 (+)	CH4 (A)
11	CH4 (-)	CH4 (-)	CH4 (-)	CH4 (B)
12	Do not use.	Do not use.	Do not use.	CH4 (b)
13	CH5 (+)	CH5 (+)	CH5 (+)	CH5 (A)
14	CH5 (-)	CH5 (-)	CH5 (-)	CH5 (B)
15	Do not use.	Do not use.	Do not use.	CH5 (b)
16	CH6 (+)	CH6 (+)	CH6 (+)	CH6 (A)
17	CH6 (-)	CH6 (-)	CH6 (-)	CH6 (B)
18	Do not use.	Do not use.	Do not use.	CH6 (b)

RTD terminal b is shorted internally across all channels.

### RS-485

Terminal No.	Function
1	FG
2	RSB (+)
3	RSA (-)
4	SG

### RS-232

Terminal No.	Function
1	
2	RxD
3	TxD
4	
5	SG
6	
7	
8	
9	

### Digital Input (DI)

Terminal No.	Function
1	DI1
2	DI2
3	DI3
4	DI4
5	DI5
6	DI6
7	DI7
8	DI8
9	DI9
10	DI10
11	DI11
12	DI12
13	COM1 (for DI)
14	COM1 (for DI)
15	COM2 (for DI)
16	COM2 (for DI)

### Digital Output (DO)

Terminal No.	Function
1	DO1
2	DO2
3	DO3
4	DO4
5	DO5
6	DO6
7	DO7
8	DO8
9	DO9
10	DO10
11	DO11
12	DO12
13	VDO
14	VDO
15	COMDO
16	COMDO

Ensure the polarity of VDO and COMDO for the wiring.

In case of reverse connection, provide fuses to the external of the instruments to protect the output circuit from the overcurrent more than 100 mA.

### Pulse Counter Input 1, 2

Terminal No.	Function	
	Differential Input	Push-Pull
1	A	A
2	/A	COMMON
3	B	B
4	/B	COMMON
5	Z (R)	Z (R)
6	/Z (/R)	COMMON
7		
8	FG	FG

In the case of an open collector type encoder, the calculation may not be normally performed by the capacity coupling between phase A and phase B. When using, connect them separating each phase with shielded wires.

The shield must be connected to the common 24 V power supply for encoder input.