

Voltage adjustable Controller

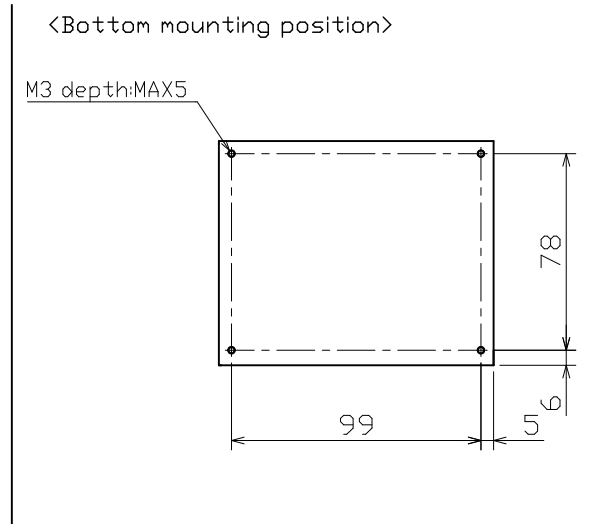
IWDV-60M2-24-DCIN

【Specifications】

Driving method: Constant-voltage driving
 Output control method: Voltage variable method
 Operating temperature: 0°C to +40°C
 Operating humidity: 20 to 70%RH(No dew condensation)
 Input power source: DC26V+5% 3A MAX
 Number of channels: 2channels (SM connectors: 1pcs/ch)
 Output voltage control range: 7 to 24VDC 1000steps
 Rated load: TOTAL60W(MAX)
 [OUT1,2]: 24V/30W or less/connector
 Cooling method: Forced air cooling

【Functions】

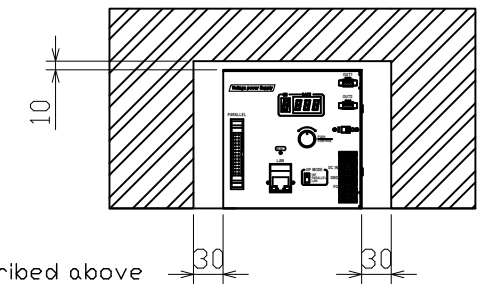
Internal control: Adjustment of the output voltage with rotating the output control switch
 External control: Adjustment of the output voltage with LAN communication
 Adjustment of the output voltage with 10-bit parallel communication
 Synchronization control: Synchronization control by the external ON/OFF signal
 Details of detected errors: Over-current



<Ensuring adequate space for the product>

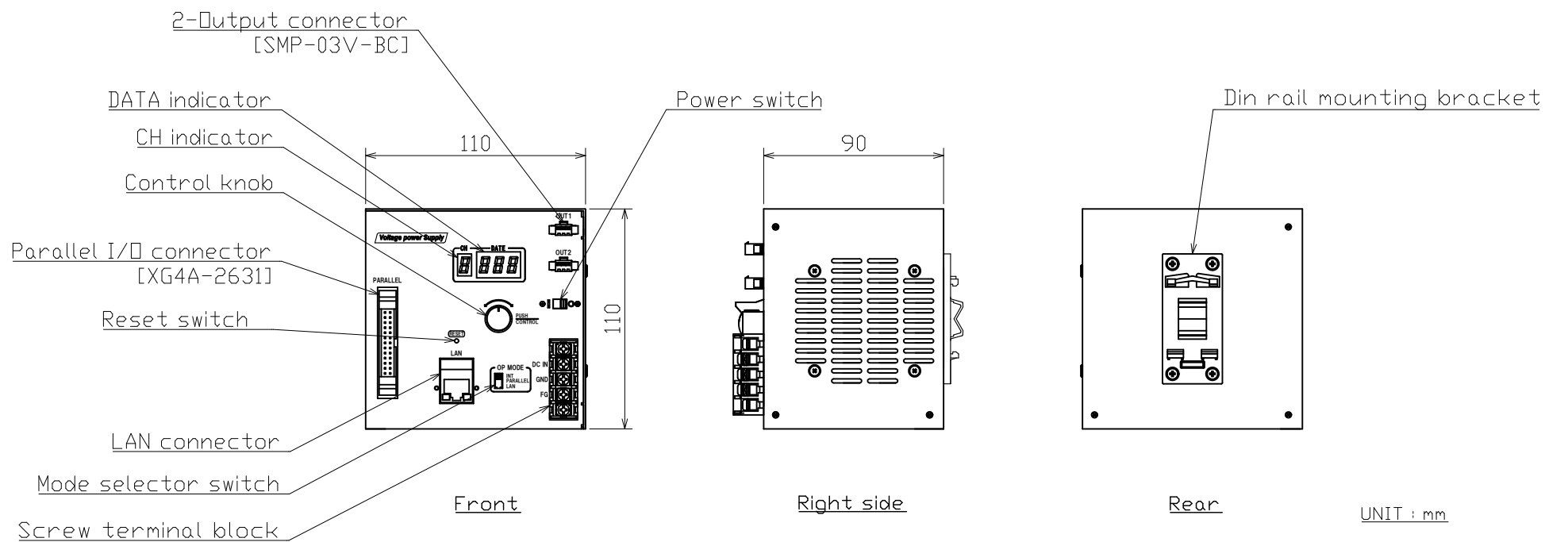
To ensure that the product operates safely and effectively, it is essential to provide adequate space around it. Please follow these guidelines to ensure sufficient clearance for the product.

- A clearance of at least 10 mm should be maintained from the top side of the product.
- A clearance of at least 30 mm should be maintained from both the right and left sides of the product.



* CAUTION *

Always ensure that the space described above is provided. Failure to do so can result in heat accumulation in the product, which may lead to a fire.

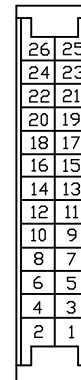


【Connector Pin Assignment】

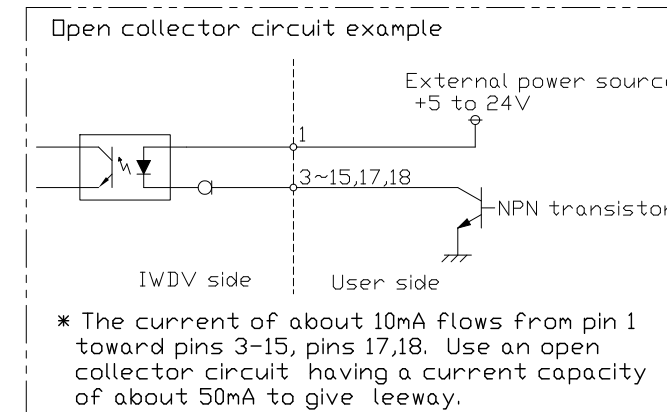
	Pin No.	Signal
OUT1-2	1	(+)
	2	NC
	3	(-)



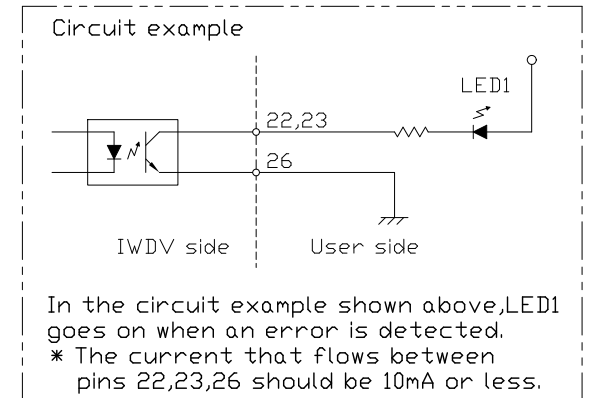
	Pin No.	Signal	Pin No.	Signal	Pin No.	Signal
PARALLEL	1	External power input, +5 to 24V	11	B8	21	NC
	2	NC	12	B9(MSB)	22	CH1 status signal
	3	B0(LSB)	13	CH selection bit0	23	CH2 status signal
	4	B1	14	NC	24	NC
	5	B2	15	Write	25	NC
	6	B3	16	NC	26	COM
	7	B4	17	CH1 external ON/OFF signal		
	8	B5	18	CH2 external ON/OFF signal		
	9	B6	19	NC		
	10	B7	20	NC		



【Connection example of the parallel communication control and the external ON/OFF control】



【Connection example of checking the status signal】



【Connectors】

		Out Side	Power Supply Side	Manufacturer
OUT1,2	Connector	SMR-03V-B	SMP-03V-BC	JST
	Contact	BYM-001T-0.6	BHF-001T-0.8SS	
PARALLEL EXT ON/OFF	Connector	XG4M-2630-T	XG4A-2631	OMRON
LAN	Connector		RJ45 Modular Jack	
DC IN	Connector		ML-250-S1AXF-3P	SATO PARTS

Approved by	Drawn by
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