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EN Instruction Sheet

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⚠ 1. Safety precautions

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The products in this manual are industrial products and are all open-type housing designs. It is essential to install these products within a control cabinet that is safeguarded against dust, moisture, and accidents such as electric shocks or physical impacts. Additionally, protective measures must be taken to prevent malfunctions or damage caused by improper operation or accidents involving non-maintenance personnel. Failure to do so may lead to serious risks to personnel safety and potential loss of prope r y.

2. Model identification

HC MXB - ID04 - 200 - BD - XXXX
1 2 3 4 5 6

1	
HC	Hechuan Technology)

2	
MXB	M M-Series optional expansion

Name)	Model)	Applicable controller model)*			Brief description
Digital input expansion card	HCMXB-ID04-200-BD	HCM211-20MR-A HCM211-20MT4-A	4	NPN PNP	4-channel digital input, supports NPN and PNP
Digital output expansion card	HCMXB-OD04-200-BD	HCM211-32MR-A HCM211-32MT6-A	4	NPN	4-channel digital output, chip output, supports NPN
	HCMXB-OD04-200-BD-PNP	HCM211-42MR-A HCM211-42MT8-A HCM211-60MR-A HCM211-60MT10-A HCM212-32MT4-A HCM212-60MT8-A	4	PNP	4-channel digital output, chip output, supports PNP

* 1 2

*Note: The digital expansion card can be installed in the host expansion slot 1 or 2, with a maximum of two installable (suppo r ing single-slot or dual-slot installation).

4. General electrical and environmental specifications

4.1 General electrical speci f cations

Model *1	/ *2	Rated voltage/power*2	/	Digital input/output type
HCMXB-ID04-200-BD	DC3.3V/0.1W	DC3.3V/0.1W	DC24V, 5mA/Ch	Digital input: DC24V, 5mA/Ch
HCMXB-OD04-200-BD			DC24V, 500mA/Ch, 2A/4Ch*3 / /	Digital output: DC24V, 500mA/Ch, 2A/4Ch*3 Load type: Resistive/Inductive/Lamp loads
HCMXB-OD04-200-BD-PNP			DC24V, 500mA/Ch, 2A/4Ch*3 / /	Digital output: DC24V, 500mA/Ch, 2A/4Ch*3 Load type: Resistive/Inductive/Lamp loads

* 1. LPS SELV
2.
3.

*Note: 1. All models can only operate under the safety extra low voltage (SELV) provided by a limited power source (LPS).
2. The power rating indicated here is the maximum power under full-load operation.
3. Consider the e f ect of temperature rise and derate during using.

4.2 Environmental requirements

	Item		Speci f cations
	Altitude	≤2000m	≤ 2000m
	Operating environment		Installation within a control cabinet, open-type and indoor use
	Operating temperature	0~55	0~55
	Storage temperature	-25~70	-25~70
	Ambient humidity	10~95%RH	10~95%RH (non-condensing)
	Vibration resistance	5~150Hz X/Y/Z 1g/3.5mm	5~150Hz (X/Y/Z axes, 1g/3.5mm displacement)
	Pollution degree	2	Level 2
	Cooling method		Natural air cooling
	IP rating	IP20	IP20
	Enclosure material		Self-extinguishable

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*Note: If the equipment is used in a manner not speci f ed by the manufacturer, the protection provided by the equipment may be impaired.

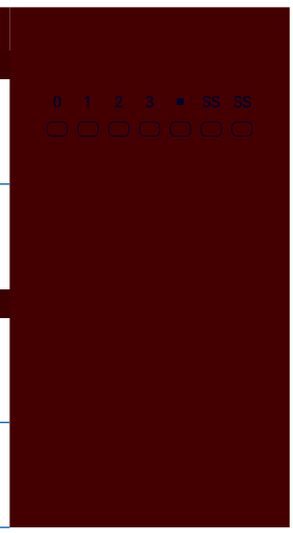
5. Installation instructions

5.1 Expansion card mounting and dismounting

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