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EN Instruction Sheet

1. Safety precautions

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 property.

2. Model identification

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

1	Hechuan Technology	
HC	Hechuan Technology)	
2	M	
MXB	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
	HCMXB-OD04-200-BD	HCM211-32MR-A HCM211-32MT6-A HCM211-42MR-A HCM211-42MT8-A	4 NPN	4-channel digital output, chip output, supports NPN
Digital output expansion card	HCMXB-OD04-200-BD-PNP	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 (supporting single-slot or dual-slot installation).

4. General electrical and environmental specifications

4.1 General electrical specifications				
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 effect of temperature rise and derate during using.

4.2 Environmental requirements			
Item			Specifications
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

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

5.1

Expansion card mounting and dismounting

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7.	Indicator description				
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