⚠ 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.

M100

Please refer to the M100 series hardware operation manual for more detailed information.

⚠ Batte r	M100 CPU CR2430 5.3 The M100 series CPUs are equipped with built-in CR2430 batteries. Replacement batteries must be purchased from HCFA. A professional electrical engineer, wearing insulated gloves and with power turned o f, should replace them as described in Section 5.3. Les CPU de la série M100 sont équipés de batteries CR2430 intégrées.Les batteries de remplacement doivent être achetées auprès de HCFA.Un ingénieur électrique professionnel, po r ant des gants isolants et avec le courant coupé, devrait les remplacer comme décrit dans la section 5.3.

2. Model identification

HC M1 0 0 _ - 20 M T 4T

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*Note: If

5.

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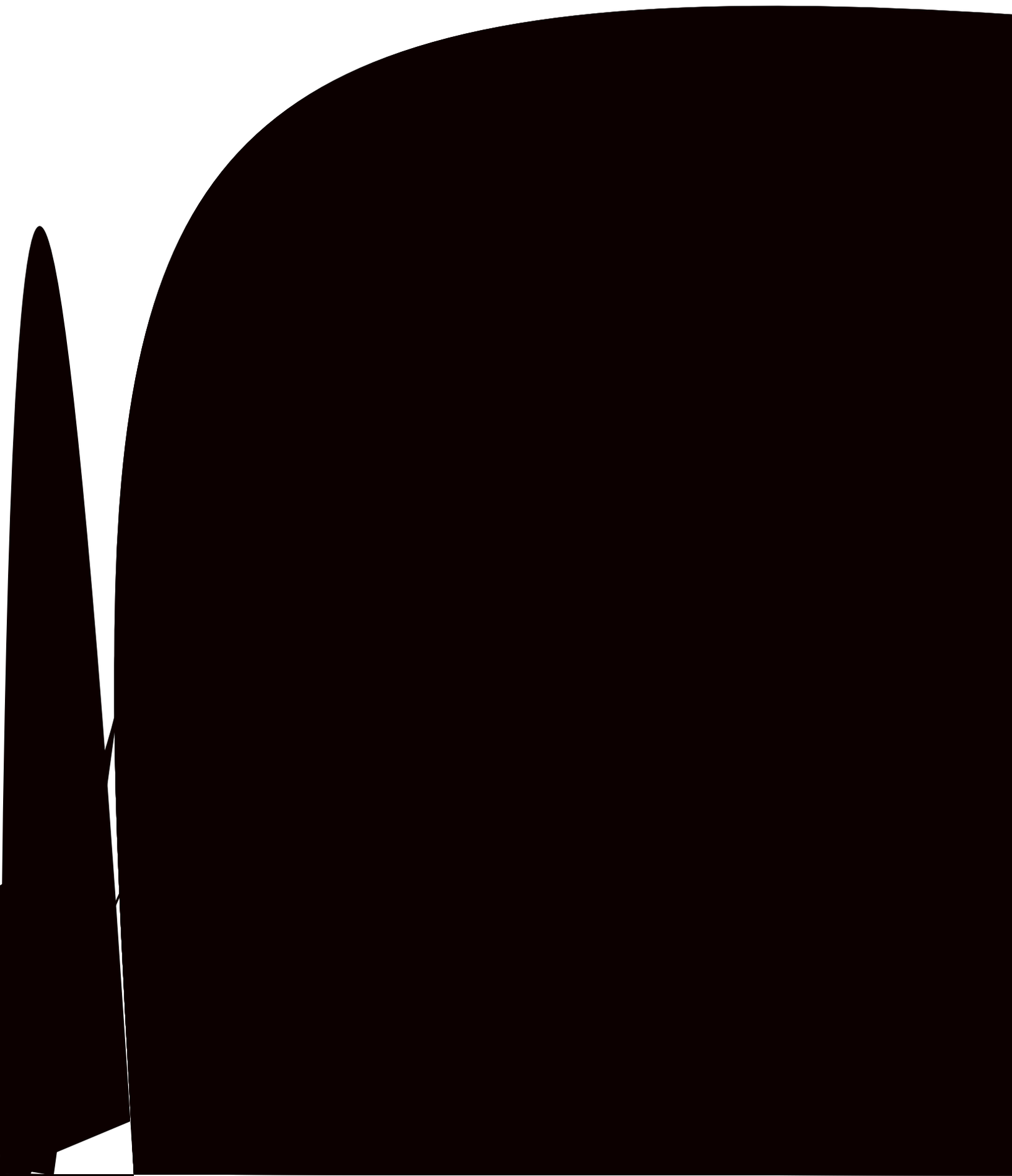


PWR	(Power)	(Green)	Not lit		Power o f
			Lit		Power on
RUN	(Run)	(Green)	Not lit		Stop
			Lit		Run
ERR	(System error)	(Red)	Not lit		No error
			Lit		Error
COM	RS485/RS232 (RS485/RS232 communication)	(Yellow)	Not lit		No communication
			Blinking		Communication in progress
		(Green)	Not lit	N	The input channel N has not detected input signals
			Lit	N	The input channel N has detected input signals
OUT N (0~5)	(Output)	(Green)	Not lit	N	There is no output signal in this channel
			Lit	N	There are output signals in this channel
		(Green)	Not lit	N	The input channel N has not detected input signals
			Lit	N	The input channel N has detected input signals
OUT N (0~7)	(Output)	(Green)	Not lit	N	There is no output signal in this channel
			Lit	N	There are output signals in this channel
		(Green)	Not lit	N	The input channel N has not detected input signals
			Lit	N	The input channel N has detected input signals
OUT N (0~7 10~15)	(Output)	(Green)	Not lit	N	There is no output signal in this channel
			Lit	N	There are output signals in this channel
PWR	(Power)	(Green)	Not lit		Power o f
			Lit		Power on
RUN	(Run)	(Green)	Not lit		Stop
			Lit		Run
ERR	(System error)	(Red)	Not lit		No error
			Lit		Error
COM1	RS232 (RS232 communication)	(Yellow)			

OUT N (0~7,10~17,20~27, 30~37,40~47)	(Output)	(Green)	Not lit	N	There is no output signal for this channel
			Lit	N	There are output signals in this channel

8. Terminal and wiring description

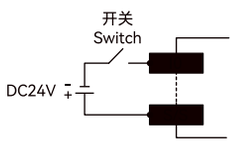
Input)	General input)		12	16	24	28	36	40
	High-speed input channels)	2 I0~I3						
Output)	General output)			14	16	20	24	40
	* High-speed output channels)	3 Q0~Q5	4 Q0~Q7	6 Q0~Q7 Q10~Q13				

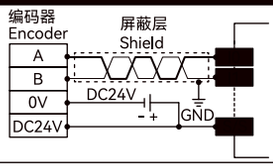
* HCM100-MR

*Note: The HCM100-MR series does not suppo r high-speed output .

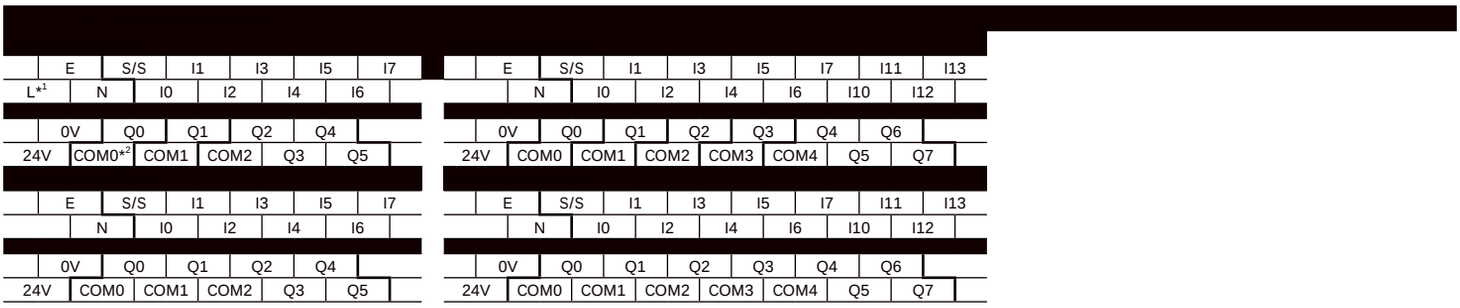
(Input)

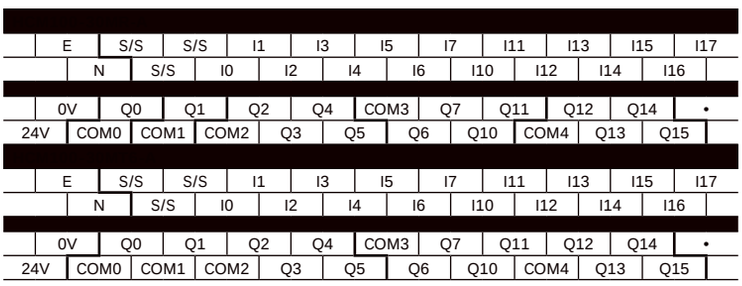
(NPN input)

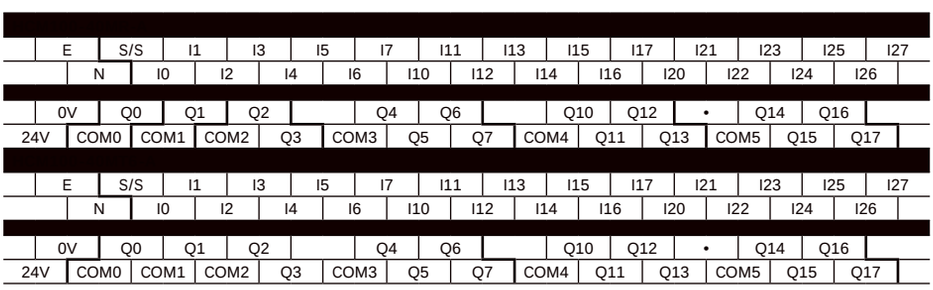


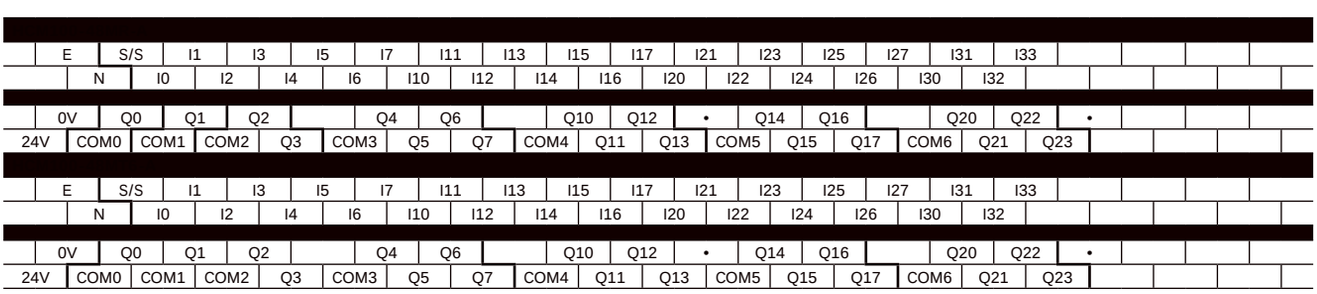


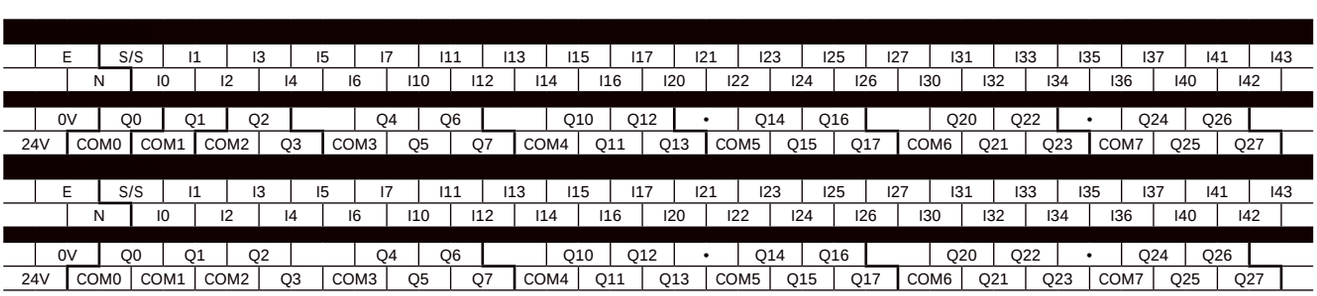
(PNP input)

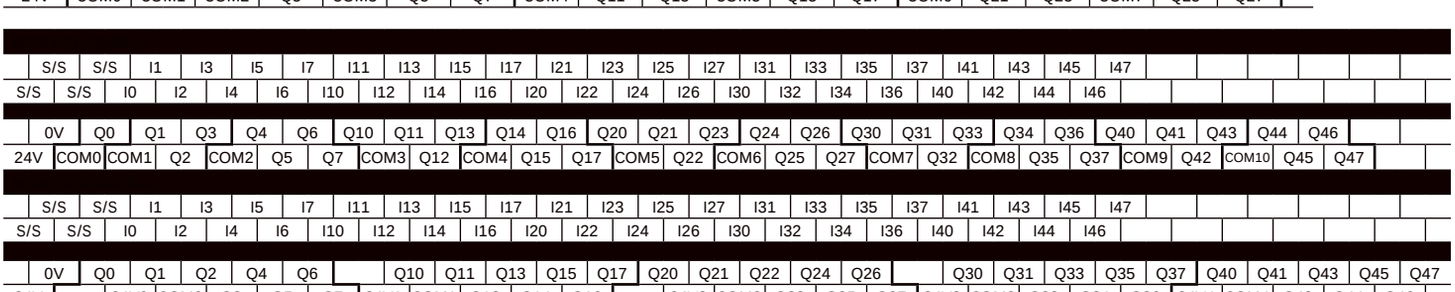












* 1 L N E S/S

2 COM 24V 0V COM

* Note 1: In the input terminal, L connects to the fre wire, N connects to the zero wire, E connects to the ear h wire, and S/S is the common terminal.

2: In the output terminal, COM is the common terminal, and the DC output is between 24V and 0V. The thick line isolation area is a group, with the COMs in the isolation area conducing to each other.