HV320-IO1-V2
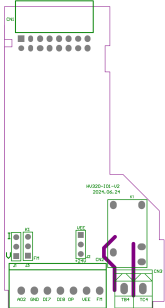
Product Introduction

HV320-IO1-V2 expansion card is a multi-function I/O expansion card, which can expand 1 AO2 (analog output), 1 FM (high-speed pulse output) and 2 DI (digital input)

Interface layout and description

HV320-IO1-V2 interface layout

HV320-IO1-V2 interface description

Mark		Name	Function
CN2	AO2-GND	Analog output 2	1. Output voltage specification: 0V~10V; 2. Output current specification: 0mA~20mA; 3. Output current impedance specification: 0 ~500 , select the output type through J1 jumper. 4. Operation instructions: 4.1 Set P5-00 command parameters: set the tens digit to 0 (analog output); 4.2 Set P5-08 command parameters to select AO2 output function;
	DI7	Digital input	1. Optocoupler isolation, compatible with bipolar input. 2. Input impedance 4K . 3. Voltage range for level input: 9~10V. 4. Operation instructions: 4.1 Set P4-06 parameters Select DI7 terminal function, see the inverter manual for parameter details
	DI8	Digital input	4.2 Set P4-07 parameters Select DI8 terminal function, see the inverter manual for parameter details
	OP	External power input terminal	The factory default is connected to +24V. When using external signals to drive DI7/DI8, OP needs to be connected to an external power supply.

		Name	Function
	FM-COM	High-speed pulse output terminal	1. When used as high-speed pulse output, the maximum frequency is 100kHz; 2. When used as open collector output, the specifications are the same as DO1; 3. Operation instructions: 3.1 Set the P5-00 command parameter: set the unit digit to 0 (pulse output); 3.2 Set the P5-06 command parameter to select the FM output function. 3.3 Set the P5-09 command parameter to output the pulse frequency that meets the site requirements. The pulse frequency modification range is: 0.01kHZ~100kHZ;
CN3	TB4-TC4	Normally open	1. Contact drive capability: AC250V, 3A, DC 30V, 1A 2. Operation instructions: 2.1 Set P5-00 command parameters: set the unit digit to 1 (switch output); 2.2 Set P5-01 command parameters to select relay (TA4-TB4-TC4) output function;

HV320-IO1-V2 Jumper description

Mark	Name	Function	Jumper
J1	AO2 output type setting jumper	DC 0V~10V	J1

			0mA~20mA	J1
J3	FM-(TA4-TB4-TC4) function switching		FM high speed pulse	J3
			Relay output	J3
J2	OP selection		OP disconnect to +24V	J2
			OP connect to +24V	J2

Note: FM and TB4-TC4 functions cannot be effective at the same time. They can be selected by jumper pin J3 respectively.