



Special Modules HV-4AI2AO

Descriptions:

- 4 channels analog input.
- 2 channels analog output.
- 12 bits high precision input.
- current/voltage mode selectable.
- voltage mode output/input range: DC 0~5V, 0~10V.
- current mode output/input range:DC 0~20mA, 4~20mA.
- PID control function for analog input.
- self-study PID parameters.
- DC 24V power supply.
- Support Modbus-RTU protocol.
- RS485 port, can connect with PLC, HMI and other devices.
- Can extend 16 this kind of modules at most.

PRODUCTS STANDARDS

1. General Specifications.

Item	Analog input (4AD)		Analog output (2DA)	
	Voltage input	Current input	Voltage output	Current output
Analog input range	0~5V,0~10V	0~20mA,4~20 mA	-	
Max input range	DC±18V	0~40mA	-	
Analog output range	-		0~5V、 0~10V, (exterior load resistor 2KΩ~1MΩ)	0~20mA、 4~20mA A (exterior load resistor less than 500Ω)
Digital input range	-		10 bits binary number (0~1023)	
Digital output range	12 bits binary number (0~4095)		-	
Resolution	1/4095(12Bit)		1/1023(10Bit)	
PID output value	0~K4095			
Integrated precision	0.8%			
Conversion speed	20ms/1 channel		3ms/1 channel	
Power supply for analog quantity	DC24V±10% , 100mA			
Installation	Use M3 screw or fix on the DIN46277 (width 35mm) rail			
Profile dimension	63mm×102mm×73.3mm			