

Specification

Model		PH-05-8	PH-05-4	PH-05-2
Power Supply		15-30VDC		
Power Consumption		4VA		
Display		LED		
Output	Output Points	8	4	2
	Output Type	Range	Resolution	
	0	0 - 20mA, 4 - 20mA	1 uA	
	1	0 - 1VDC	0.1 mV	
	Accuracy	0.1% of Full Scale		
Communi- cation	Protocol	MODBUS RTU		
	Baud Rate	2400, 4800, 9600, 19200, 38400, 57600		
	Parity	None, Even, Odd		
	Stop Bits	1, 2		
	Data Bits	8		
	Maximum Sup	255		
Ambient Operation	Temperature	-10 °C to 60 °C		
	Humidity	<85% RH Non-Condensing		
Ambient Storage	Temperature	-20 °C to 80 °C		
	Humidity	<85% RH Non-Condensing		
Protection Degree		IP20		
Installation		DIN RAIL		
Enclosure		ABS-V0		
Size (mm.)		23 x 113 x 100		
Weight (kg.)		155		

Description

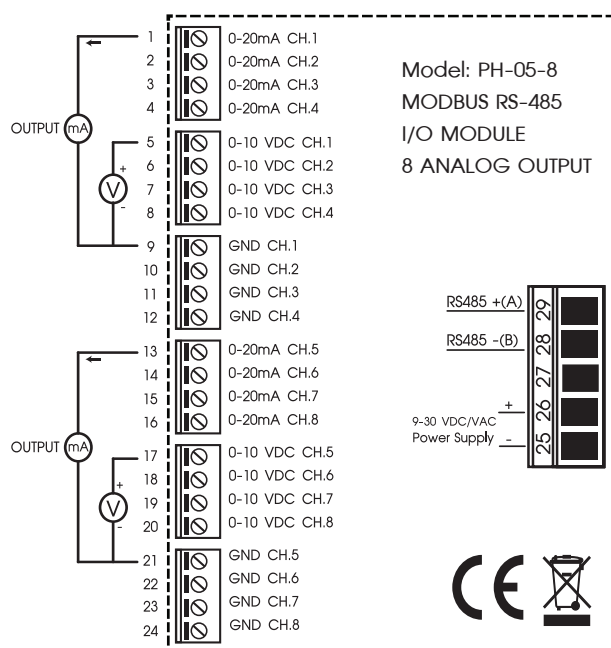
- Modbus RS-485 I/O Module Analog Output PH-05: An I/O module designed for the RS-485 Modbus Protocol, available in 4 models: 8, 4 and 2 Analog Outputs.
- Analog output supports 0-20 mA, 4-20 mA, and 0-10 VDC, 16-bit resolution, isolated per channel.
- Operates via the RS-485 Modbus Protocol.
- Suitable for Remote I/O applications or expanding I/O for PLCs.
- LEDs indicate the status of each input and output.

Operation

PH-05 can provide analog output signals and is available in 4 models: 8, 4, and 2 channels. It supports selectable output signals 0-20 mA, 4-20 mA, and 0-10 VDC within the same unit with a 16-bit resolution for high accuracy.

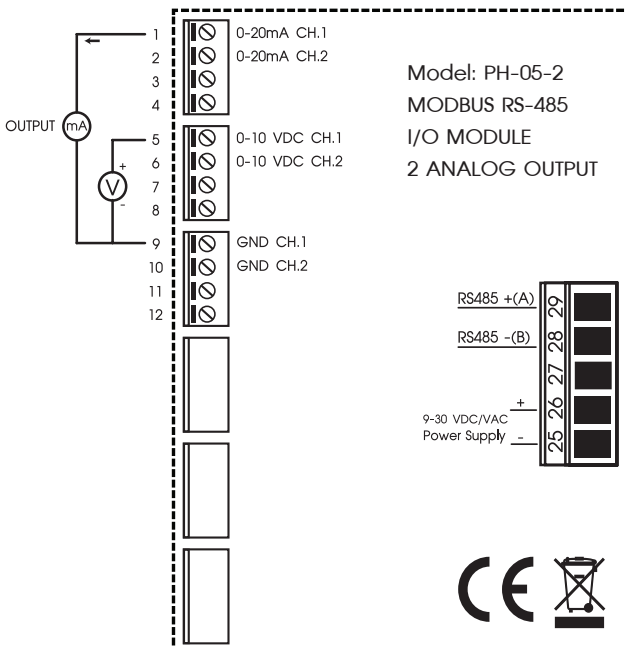
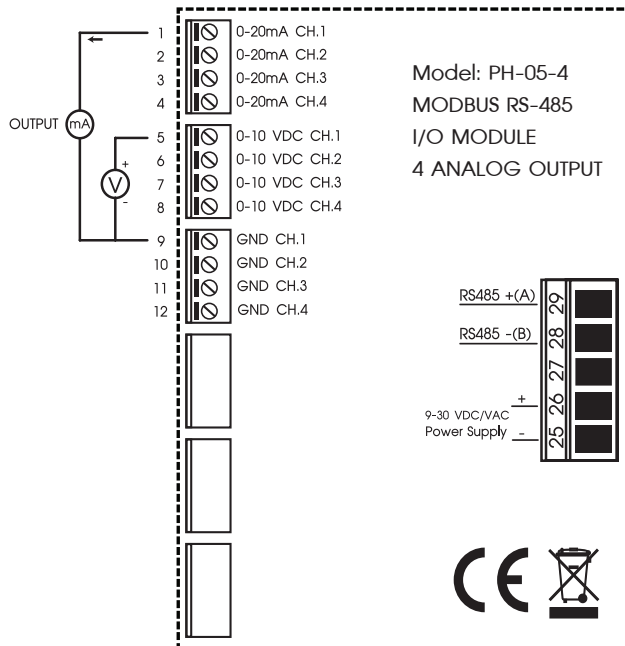
It allows a Modbus Master Device, such as a PC or PLC, to read and write analog output data to connected devices such as inverters, control valves, and actuators. It is suitable for use as remote I/O or for expanding I/O for a PLC.

Wiring Diagram



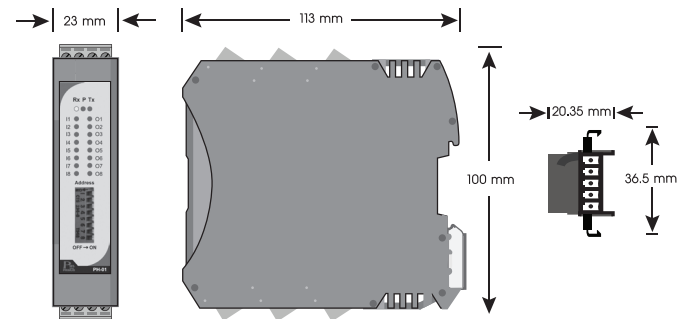
- Make sure the correct wiring connection before turning on electricity. Mis-wiring may cause malfunction of the unit and fire.
- Never modify the unit to prevent damage or incident such as malfunction and fire etc.

Wiring Diagram (Con)



- WARNING**
- Make sure the correct wiring connection before turning on electricity. Mis-wiring may cause malfunction of the unit and fire.
 - Never modify the unit to prevent damage or incident such as malfunction and fire etc.

Dimension



Ordering Code

PH -05-



Input/Output Signal	
8	8 Analog Output
4	4 Analog Output
2	2 Analog Output