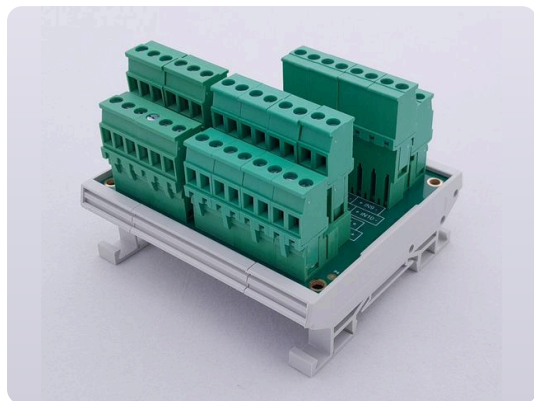


16 analogue or digital inputs to Modbus RTU (RS485)

Article number PR131s01



The PR131s01 is the general version of the PR131. The 16 inputs accept analogue signals (0-10 V, 4-20 mA, 0-30 V, resistances and potentiometers) as well as on/off signals from switches and sensors. Supply and RS485 each have two terminal blocks, so several modules can be daisy-chained. The ERR LED signals a communication error and clears automatically once communication is restored.

Price on request. Lead time on request. Not in stock? We will make it.

Specifications

Supply	10 to 31 V DC
Input	16 inputs: 0-10 V, 4-20 mA, 0-30 V, resistance, potentiometer or on/off signal
Output	Modbus RTU over RS485, function codes 3 (holding registers) and 4 (input registers); Modbus TCP over Ethernet optional
Setup	Slave address with two rotary switches (SW1 and SW2)
Protection	Reverse polarity and overvoltage protection on inputs and supply; fuses
Indication	LEDs PWR (power), ACT (communication) and ERR (communication error)
Ambient temperature	0 to 55 °C, non-condensing
Mounting	DIN rail; supply and RS485 can be daisy-chained

Connections

Terminal Power +	Supply plus
Terminal Power E	Earth
Terminal Power -	Supply minus
Terminal Comm A	RS485 A
Terminal Comm B	RS485 B
Terminal Comm 0	RS485 0 V
Terminal IN1 – IN16	Inputs 1 to 16, a plus and a minus terminal per input

Setup

1. Connect the supply, RS485 and the inputs according to the markings on the module.
2. Set the slave address with the rotary switches SW1 and SW2.
3. Switch on the supply: PWR lights, ACT shows communication and ERR a communication error.

More information, price and lead time: www.procircuits.nl/en/products/pr131s01

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