Modbus Devices available

The following Modbus devices are currently available:

- WP8025ADAM
- WP8026ADAM
- WP8027ADAM
- WP8028ADAM
- WP9038ADAM

The devices differ in the number of digital or analog inputs/outputs. Below is a table with the description for the Modbus devices currently sold through the myCNC shop:

Device	Description
WP8028ADAM	8 digital inputs, 8 digital outputs
WP8027ADAM	16 digital outputs, 0 inputs (write-only)
WP8026ADAM	16 digital inputs, 0 outputs (read-only)
WP8025ADAM	8 relay outputs (normally open)
WP9038ADAM	6 analog inputs, 4 digital inputs, 4 digital outputs. The digital inputs/outputs work similarly to the WP8028

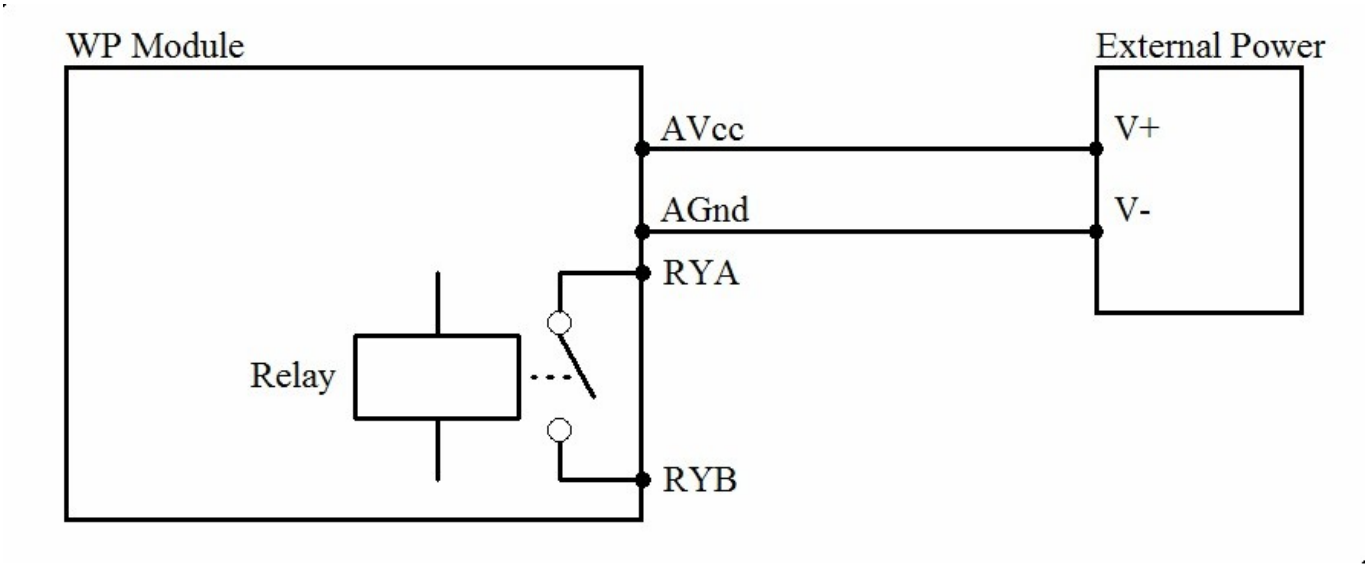
The main features of each of the Modbus devices are listed below:

WP8025ADAM

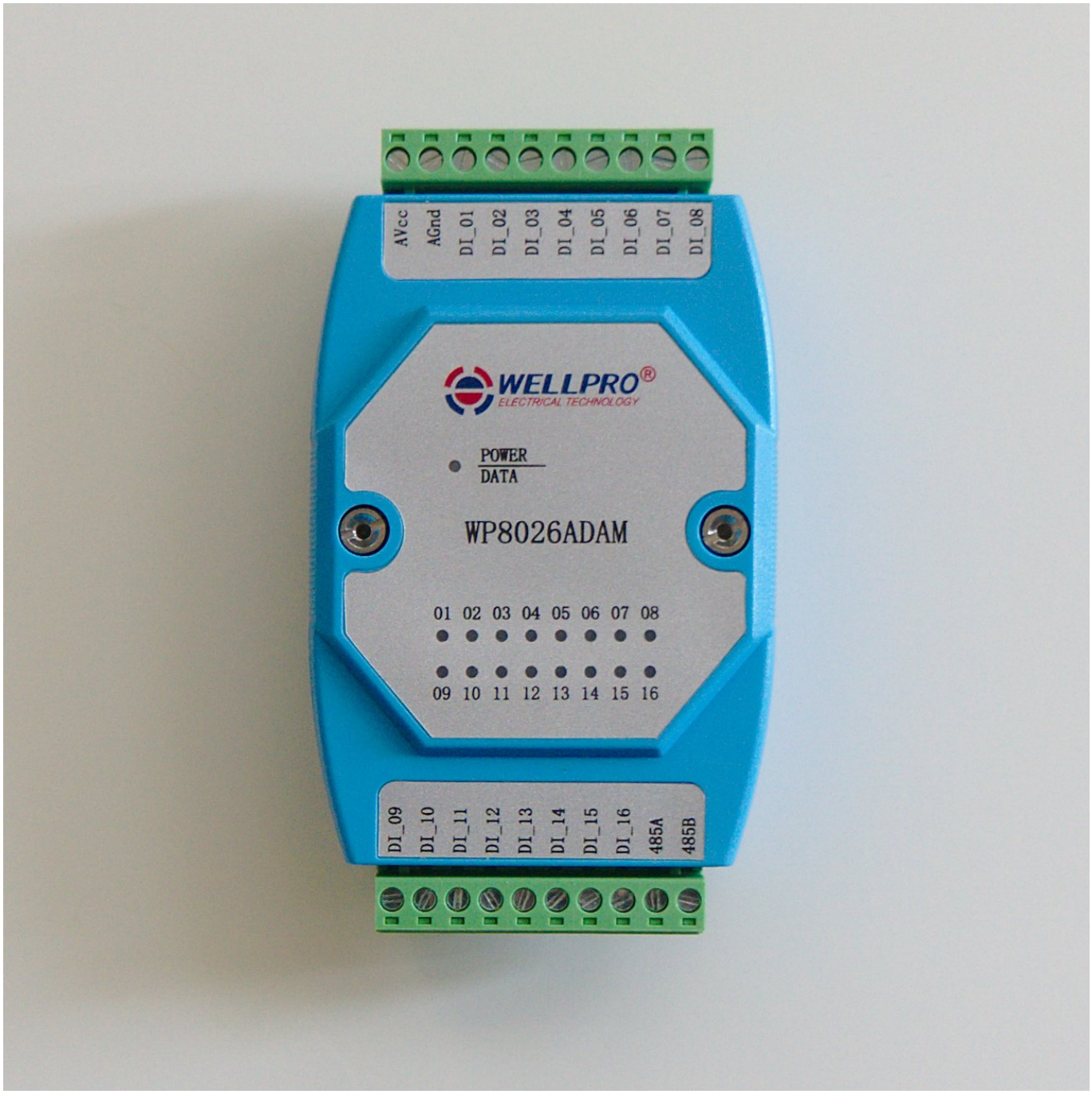


- 8 relay outputs Modbus device
- Relay contact capacity: 2A/250VAC, 2A/30VDC
- External power suppy: DC 9V-30V/2W
- 125x73x35mm

Relay output diagram:



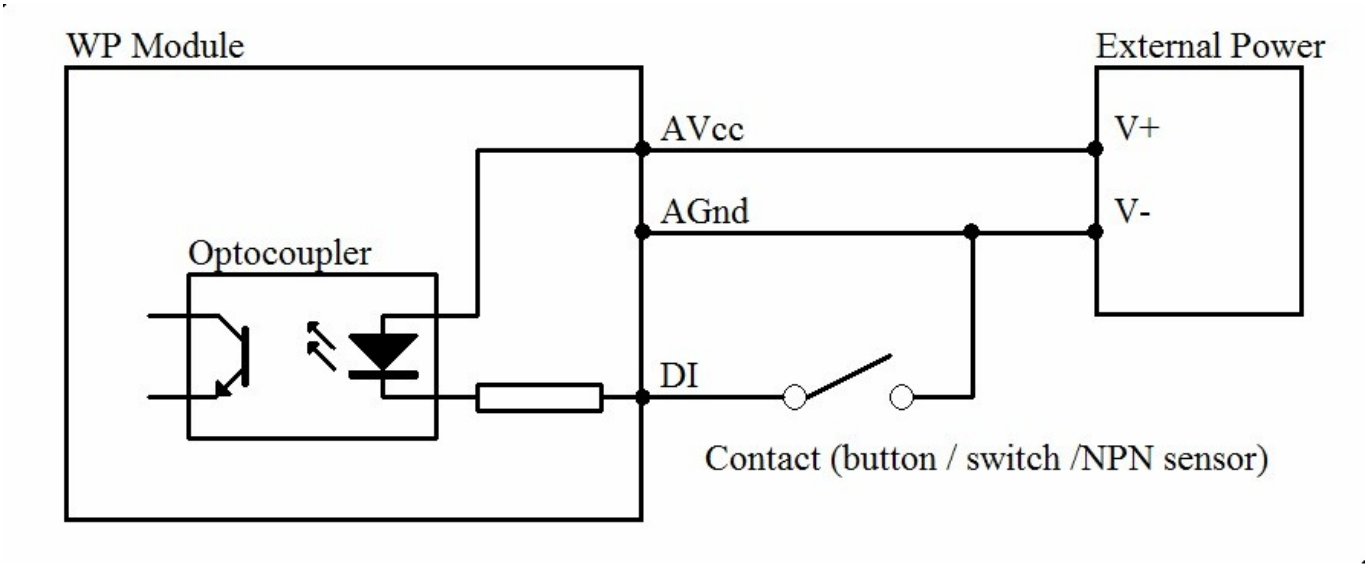
WP8026ADAM



- 16 digital inputs Modbus device
- DC 9V-30V/2W power supply
- 125x73x35mm

Default settings: 9600 baud, 8, N, 1

Digital input diagram:

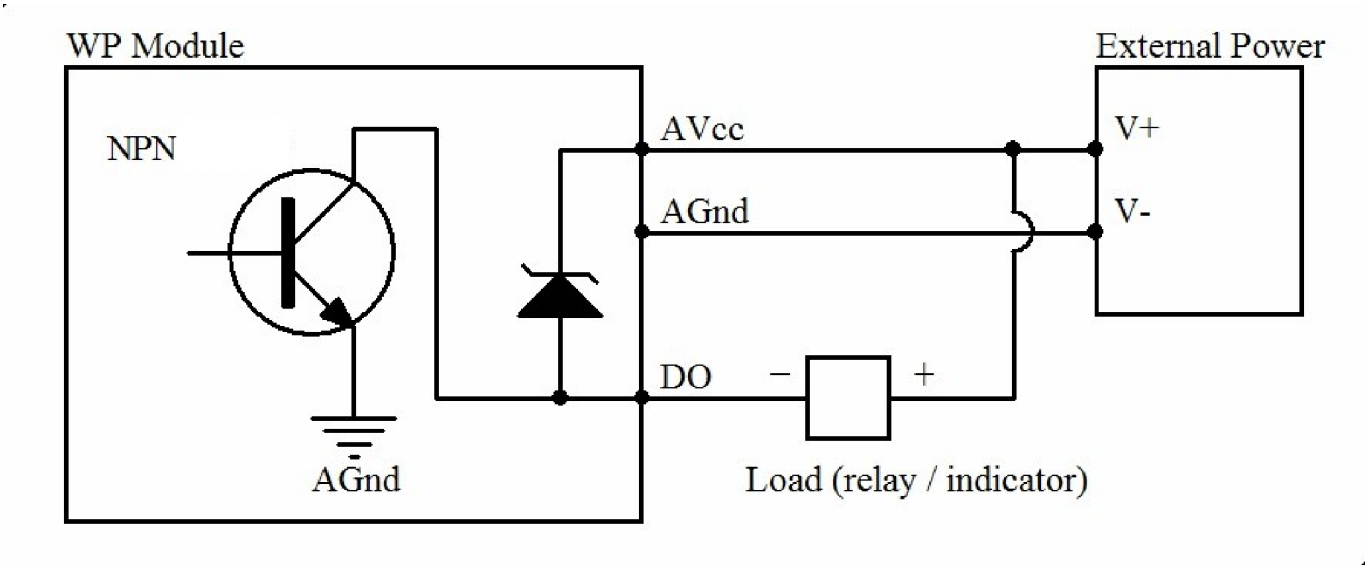

WP Module
External Power
AVcc
V+
AGnd
V-
Optocoupler
DI
Contact (button / switch /NPN sensor)

WP8027ADAM



- 16 digital outputs Modbus device
- DC 9V-30V/2W power supply
- 125x73x35mm

Digital outputs diagram:

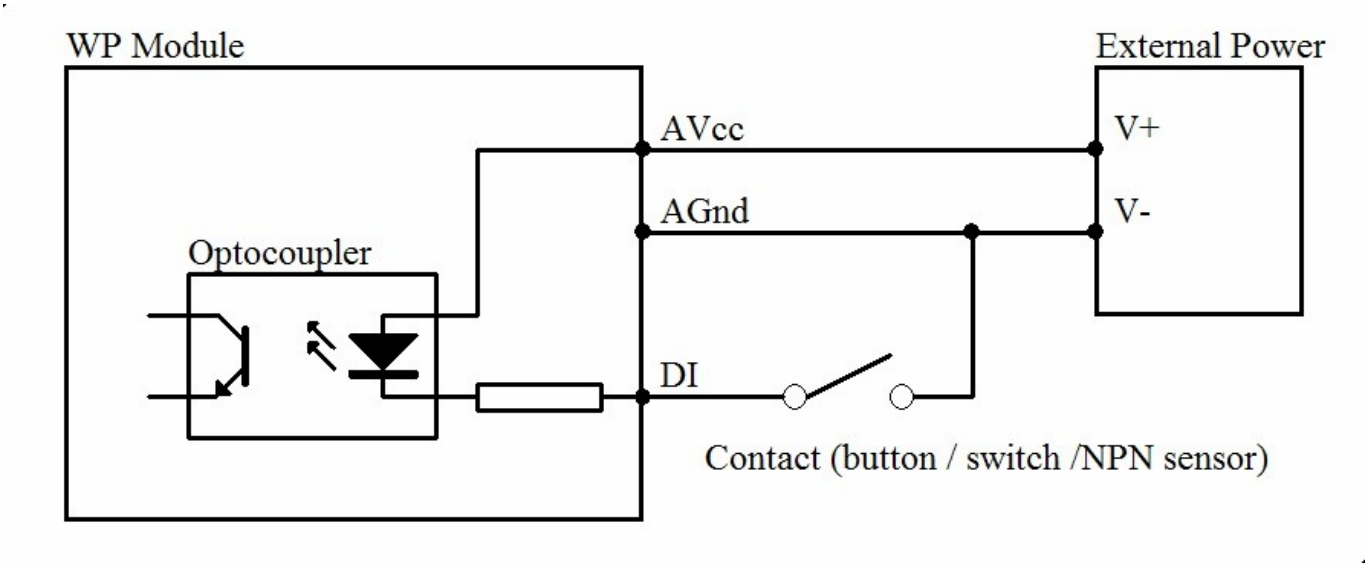

WP Module
External Power
NPN
AVcc
V+
AGnd
V-
DO
−
+
AGnd
Load (relay / indicator)

WP8028ADAM

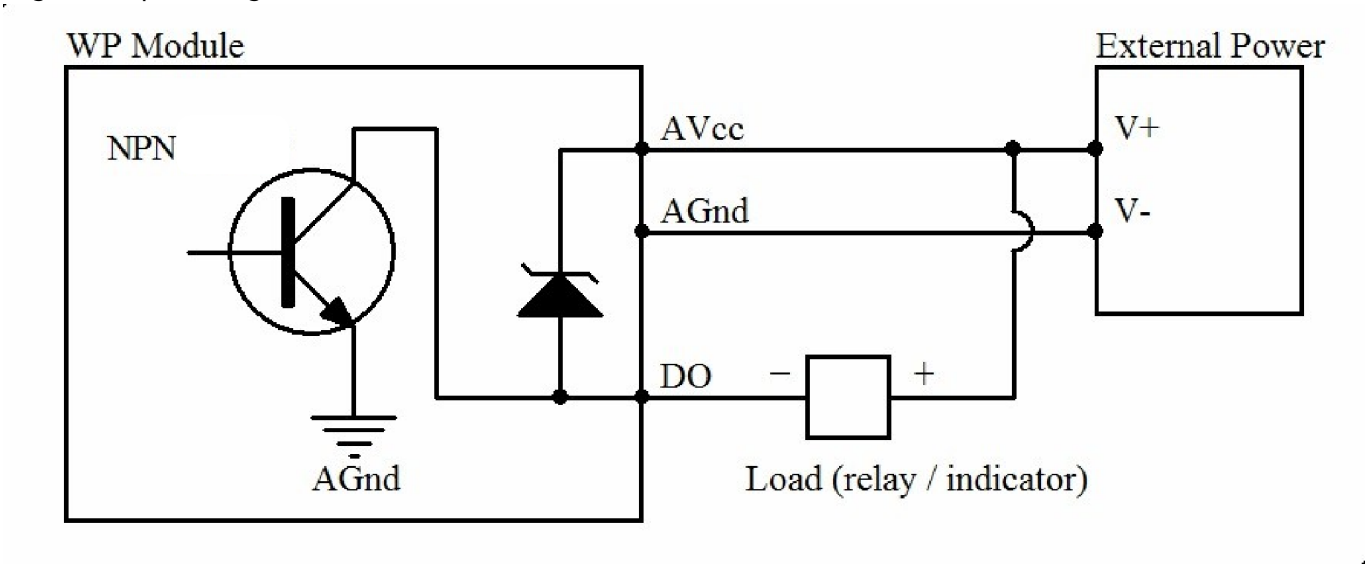


- 8 digital inputs, 8 digital outputs
- DC 9V-30V/2W power supply
- 125x73x35mm

Digital inputs diagram:



Digital outputs diagram:

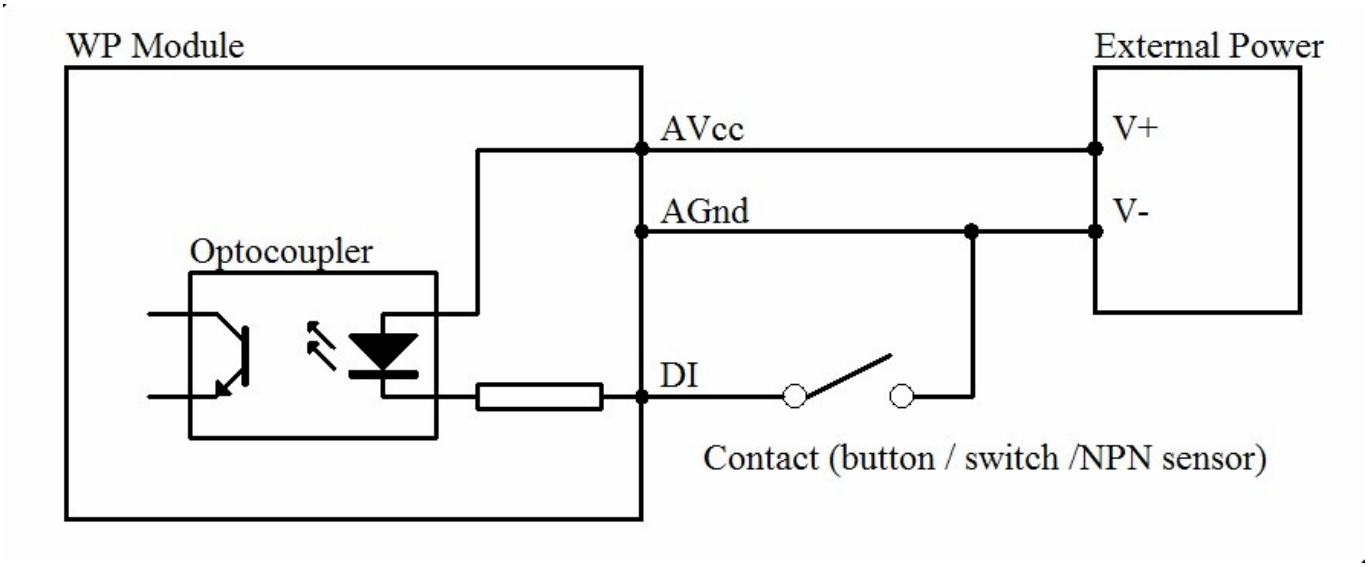


WP9038ADAM

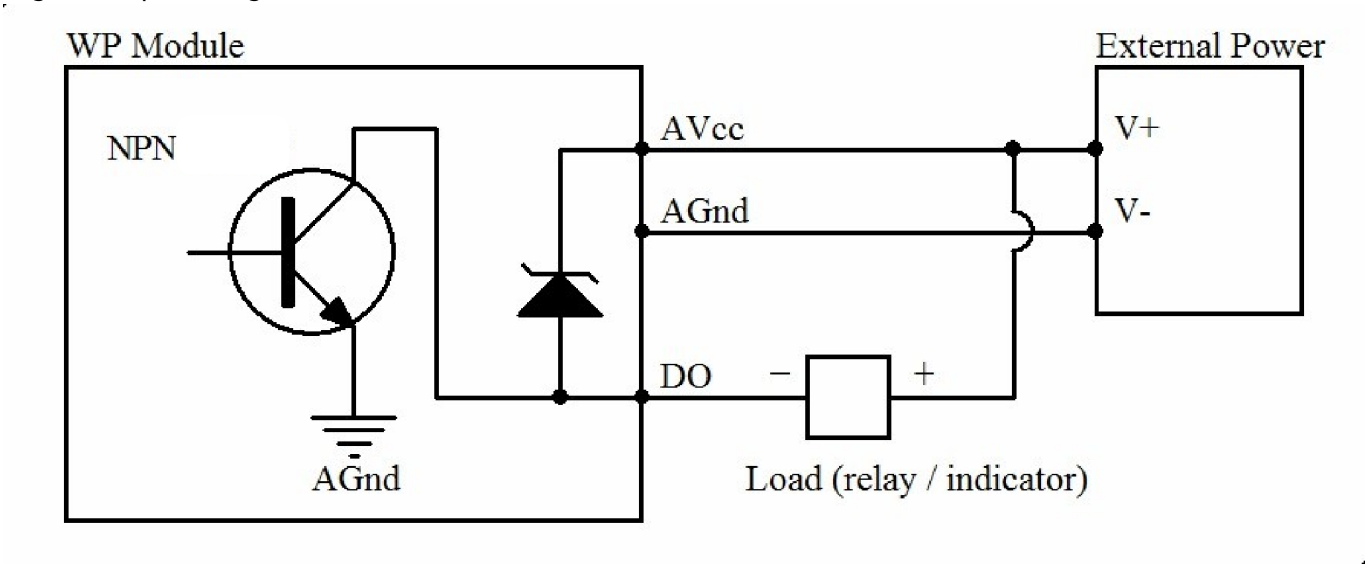


- 6 analog input channels, 4 digital output and 4 digital input channels
- Analog input type: DC 0-20mA/4-20mA
- Analog input accuracy: ±0.02mA
- External power supply: DC 9V-30V/2W
- 125×73×35mm

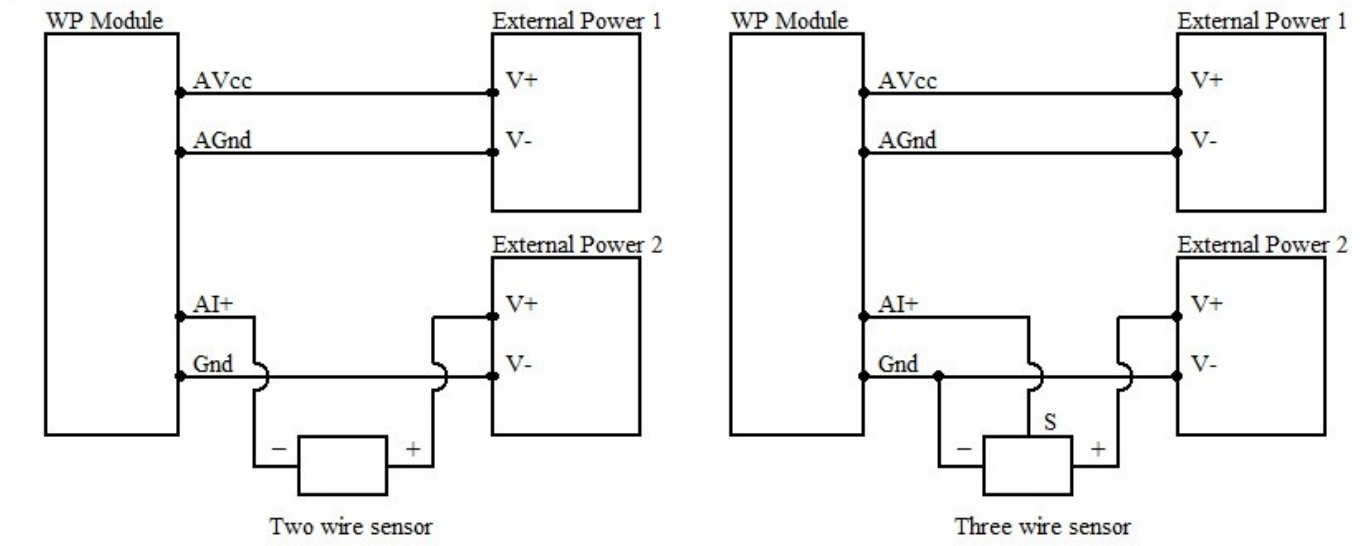
Digital inputs diagram:



Digital outputs diagram:



Analog inputs diagram:



The devices can be used by plugging them into the controller directly, and using the Hardware PLC / Config settings to control, or by plugging them into the host computer using a USB cable provided in the kit. The setup and the configuration dialogs are described in the PLC/Modbus API and Host Modbus

API manuals.

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