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PDImp ETH – ModBUS TCP Impulse meter counter, short operational manual

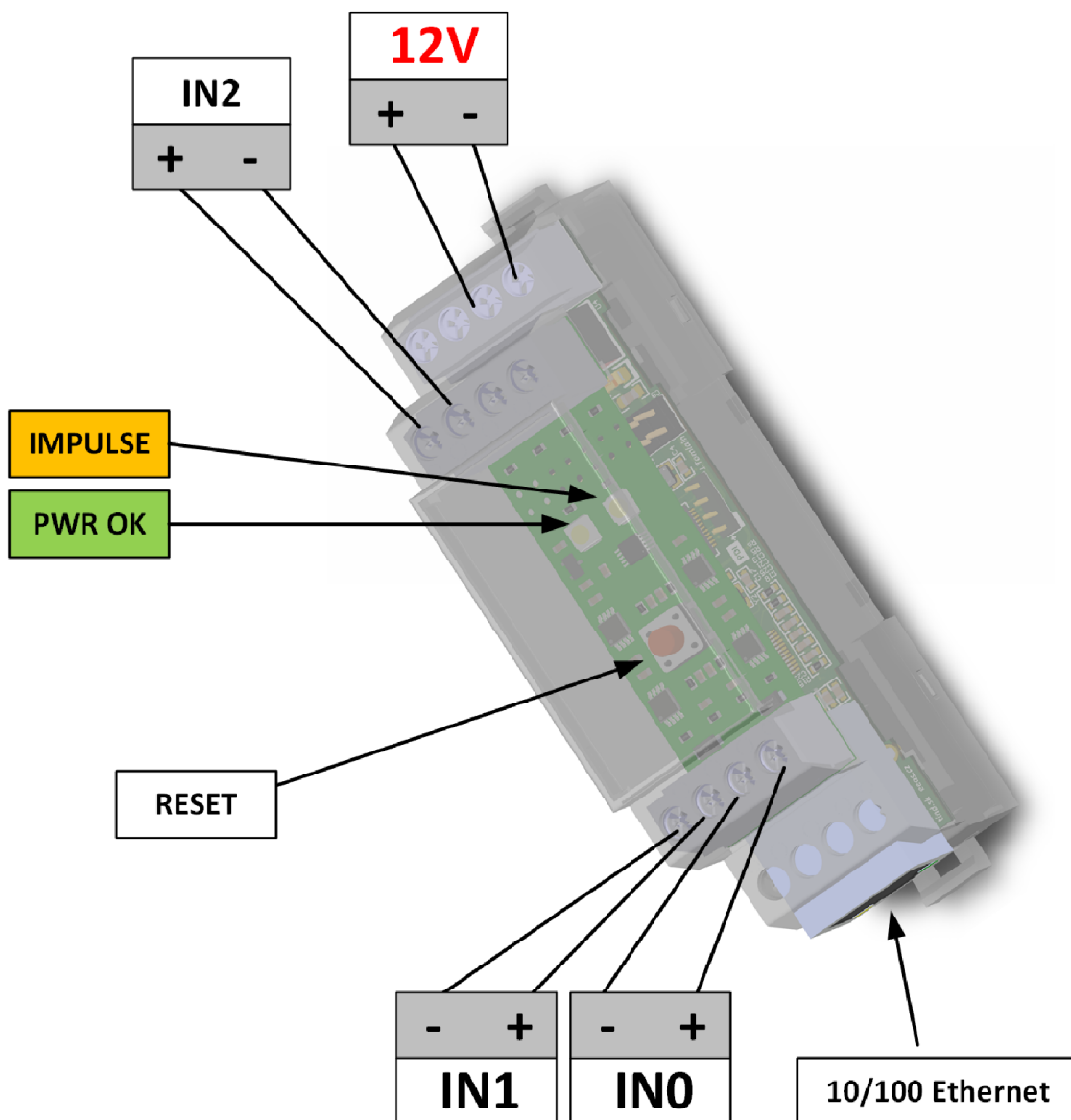


Fig. 1. - Module overview

Basic parameters:

Number of inputs: 3 (max 4)

Powering: +12VDC ... 24VDC, consumption < 100 mA

ModBUS: TCP, default setting: 192.168.0.100 / 255.255.255.0 / 192.168.0.1 port 502

Impulse inputs: Open collector sensing, minimum impulse duration 16ms

ModBUS address:

Input registers	
0	counter 0 actual bits 15-0
1	counter 0 actual bits 31-16
2	counter 0 actual bits 47-32
3	counter 0 actual bits 63-48
4	counter 1 actual bits 15-0
5	counter 1 actual bits 31-16
6	counter 1 actual bits 47-32
7	counter 1 actual bits 63-48
8	counter 2 actual bits 15-0
9	counter 2 actual bits 31-16
10	counter 2 actual bits 47-32
11	counter 2 actual bits 63-48

Holding registers	
0	counter 0 preset bits 15-0
1	counter 0 preset bits 31-16
2	counter 0 preset bits 47-32
3	counter 0 preset bits 63-48
4	counter 1 preset bits 15-0
5	counter 1 preset bits 31-16
6	counter 1 preset bits 47-32
7	counter 1 preset bits 63-48
8	counter 2 preset bits 15-0
9	counter 2 preset bits 31-16
10	counter 2 preset bits 47-32
11	counter 2 preset bits 63-48
12,13,14,15	<i>not used</i>
16,17,18,19	IP address of the device (default is: 192,168,0,100)
20,21,22,23	IP subnet mask (default is: 255,255,255,0)
24,25,26,27	IP gateway (default is: 192,168,0,1)
28	TCP port of ModBUS communication (default is: 502)

Coils	
0	if set save counter 0 preset to counter 0 actual, coil resets automatically
1	if set save counter 1 preset to counter 1 actual, coil resets automatically
2	if set save counter 2 preset to counter 2 actual, coil resets automatically
3	<i>not used</i>
4	if set the new TCP/IP setting from holding registers will save into device

To RESET TCP/IP settings to default, switch off the device then press and hold RESET button and power on the device. Reset of the setting will be signaled with 1 second IMPULSE LED blink during power on.