Input and output expander *iO-8*

Quick installation guide

With expander *iO-8* you can increase the number of inputs and outputs in a compatible *TRIKDIS* device.

iO-8 has 8 contacts, which can be set to either input or output mode.

Visit *iO-8* page on <u>trikdis.com</u> for device specifications and an up-todate list of compatible **TRIKDIS** devices.

Follow these steps to set up iO-8:

1. Wire *iO-8* to a compatible *TRIKDIS* device as shown:



The input wiring diagrams and resistor values are determined by the main unit (*SP231, SP3, CG17, G16, G16T, E16, E16T, G17F*) to which the *iO-8* module is connected.

3. Wire outputs as shown:

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 Connect a USB cable to the main *TRIKDIS* device and open *TrikdisConfig* software. Press Read [F4]. Go to *Modules window*, and click on a free row in the "*RS485 modules*" pane. Select "*iO-8 expander*" in the drop-down list as shown:

Reporting to CMS	RS485 modules		
Users & Reporting	ID Module		
Modules	1 i∩-8 evnander ^v		
Wireless	2 Not available		
Zones	3 iO expander		
	4 iO-WL radio expander		
PGM	5 TM17 Reader		
Sensors	6 iO-8 expander		
System events	7 RF-SH wireless transceiver		
	8 FLS fuel sensor		
Events Log	E485 communicator		
Firmware	W485 (W17u) module		

- 6. Enter *iO-8 Serial No.* (numbers only) in the cell to the right. You will find this number on the sticker on *iO-8*.
- In the Input and PGM Output drop-down menu selection (*Zones* and *PGM window*), you will now see the *iO-8* inputs and outputs, which you can enable:

Users & Reporting	Zone N	lo Input	Area
	1	Nicable Y	1
lodules	2	Disable	1
lireless	3	CG17 1 IN	1
ones	4	RS485 Expander ID1, IO2	1
SM	5	RS485 Expander ID1, IO3	2
IMI	6	RS485 Expander ID1, IO4	2
ensors	7	RS485 Expander ID1, IO5	2
stem events	8	RS485 Expander ID1, IO6	3
ents Log	9	RS485 Expander ID1, IO7	3
	10	RS485 Expander ID1, IO8	3

The setup may differ depending on the main *TRIKDIS* device. Configure settings for zones and PGM outputs according to the manual of the main device.

- 8. Once finished, press Write [F5] and disconnect USB cable.
- 9. Trigger the inputs and switch outputs to test the installation.

