RF-LORA transceiver and *iO-8-LORA, iO-LORA* wireless expanders

Quick installation guide

Wireless expanders *iO-8-LORA*, *iO-LORA* with *RF-LORA* module increase the number of inputs and outputs of the *"FLEXi" SP3* contol panel using two-way RF communication.
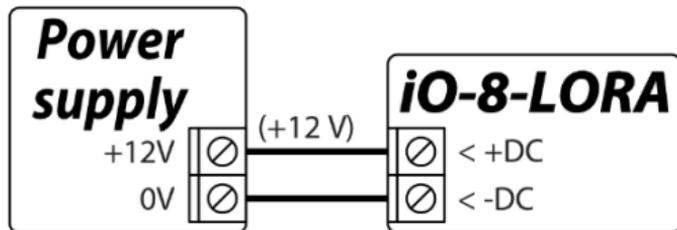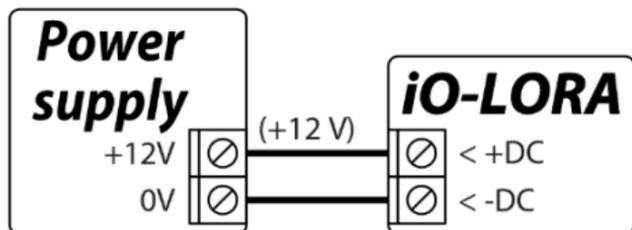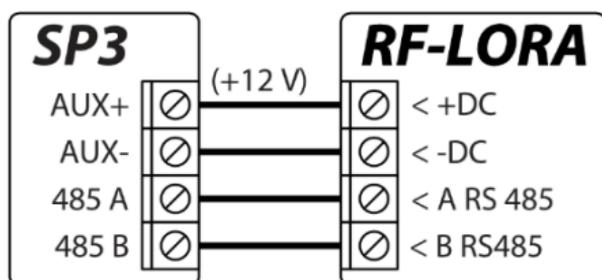
iO-8-LORA has 8 input/output terminals that can be configured as input or output.

iO-LORA has 1 input, 1 relay output, „1-Wire" data bus for connecting temperature sensors (up to 4 pcs.) and a iButton key reader.
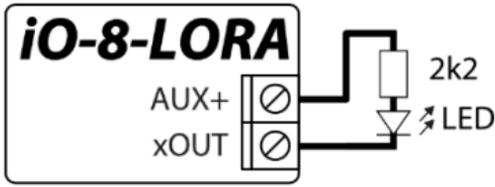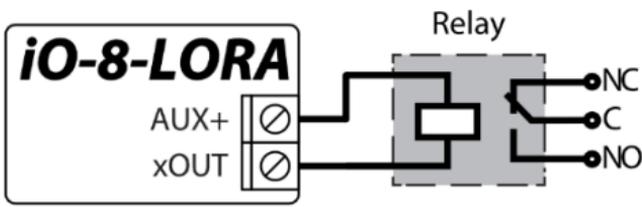
Visit the *iO-8-LORA*, *iO-LORA* page on trikdis.com for device specifications and an updated list of compatible *TRIKDIS* devices.

Follow the steps below to set up *iO-8-LORA*, *iO-LORA*:

1. Connect the *RF-LORA* transceiver to the *"FLEXi" SP3* control panel, and *iO-LORA*, *iO-8-LORA* to the power supply, as shown:

2. Input connection diagrams and resistor values are determined by the *"FLEXi" SP3* control panel, to which the *iO-8-LORA*, *iO-LORA* modules are connected.

3. Schematics for connecting a relay and an LED indicator:

4. Connect a USB cable to the *„FLEXi" SP3* control panel and open *TrikdisConfig* software. Press **Read [F4]**.

5. Go to the **"Modules"** window and click on an empty row in the "**RS485 Modules**" area. Select **iO-8-LORA Expander** (**iO-LORA Expander**) from the drop down list as shown:

System Options	Keypads **RS485 modules**		
Reporting to CMS	**RS485 modules**		
Users & Reporting	ID	Module	Serial No.
Modules	1	iO-LORA expander	000009
Wireless	2	iO8-LORA expander	000005
Zones	3	Not available	

6. Enter the serial number of the *iO-8-LORA* (*iO-LORA*) expander in the field on the right (enter numbers only). You will find serial number on the sticker on *iO-8-LORA* (*iO-LORA*)*.*

7. The "**Zones"** and "**PGM**" outputs menu windows will now display the inputs and outputs of the *iO-8-LORA* (*iO-LORA*) expanders that you can activate:

System Options	**Zones settings** SMS & Call reporting					
Reporting to CMS						
Users & Reporting		Zone Name	Input	Area	Definition	Type
Modules	1	Zone 1	SP3 1 I/O	1	Keyswitch	NO
Wireless	2	Zone 2	Disable		ant Sta	NO
Zones	3	Zone 3	RS485 Expander ID1, IN1		ant	NO
PGM	4	Zone 4	RS485 Expander ID2, IO1		ant	NO
	5	Zone 5	RS485 Expander ID2, IO2		ant Sta	NO
	6	Zone 6	RS485 Expander ID2, IO3		ant	NO

8. Make the necessary settings and press **Write [F5]** and disconnect the USB cable.

9. Trigger the inputs and switch outputs to test the device.