

Sinevo Relay Board

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This driver allows to send and receive data to or from the Sinevo relay board. The driver automatically receive the board-type (2ch, 4ch, 8ch, etc.) and generates the connections and events.

NOTE: Driver only works with Sinevo relayboards

Sinevo relayboards have Relay-Outputs and also Digital-Inputs. The inputs can be used seperatly from the outputs. This driver communicates to the relayboard via the Sinevo String protocol over a TCP Server.

Quickstart

1. Connect and login to the relayboard over a browser by typing in the IP-Address.
(default: dhcp, admin, admin)
2. Go to "Relay Connect" and make shure that under "TCP Server" "Sinevo String" is selected and the "Local Port" is set to 59999. Also, set the keep alive timer to 0, the driver itself will poll the relay.

Relay

Channel	Protocol	Addr	Baud	Databits	Stopbits	Parity
RS485	Modbus-RTU	1	115200bps	8bit	1bit	None
CAN	Sinevo String	ID	Speed	Frame Type		
		1	125Kbps	Standard Frame		
UDP1	Sinevo Binary	Remote Address	Remote Port	Local Port		
		192.168.1.9	60000	60000		
UDP2	Sinevo String	Remote Address	Remote Port	Local Port		
		192.168.1.9	60001	60001		
TCP Server	Sinevo String			Local Port		
				59999		
TCP Client	Modbus-RTU Over TCP	Remote Address	Remote Port			
			502			
MQTT	MQTT	Broker Address	Broker Port	Broker Username	Broker Password	
	<input checked="" type="checkbox"/> Head slash("/")		1883	mqtt	123	

Other	
Relay Password	0 0~9999(0 no password)
Keep Alive Second	0 1~120 second(0 close)
Power Failure Recovery Relay	No



3. After that click "Save" and move on to the Composer Pro.
4. In Composer Pro type in the IP-Address and wait aprox 10 seconds. As soon as there is some information in the "Server Response" field.
5. Now you can move on and set your connections or make some programming.

Properties

Driver Version:

Displays the Version of the Driver.

Debug Mode:

When set to On, prints out more information on the Lua tab about what the driver is receiving/sending.

IP Address:

Put the IP Address of the relayboard in here. As soon the IP Address is set, you'll have to wait about 10 seconds and the driver will receive the board-type.

Server Port:

Displays the Port on which the TCP Client connects to. (Default: 59999)
Please contact us if the Port has to be changed.

Board Status:

Displays the status of the TCP-Connection (ONLINE or OFFLINE).

Board Response:

Displays the response from the relayboard.

Actions

Close Relay

Manually close a specified relay.

Open Relay

Manually open a specified relay.

Toggle Relay

Manually toggle a specified relay. The Relay will close shortly and open again.

Trigger Relay

Manually trigger a specified relay. The Relay will close for the specified time in seconds and open again.

Get Relay Type

Manually get the type of the relayboard.

Events

Contact X closed

Event fires, when the specified contact closes.

Contact X opened

Event fires, when the specified contact opens.

Relay X closed

Event fires, when the specified relay closes.

Relay X opened

Event fires, when the specified relay opens.

Variables

RESPONSE_DATA (string)

The response from the relayboard.

Support

Contact information:

Sinevo AG
development@sinevo.ch

Changelog

V 20221123

- Initial Release