Inhoud

1. Modbus TCP

De Fudura meters are connected through Modbus TCP.
The Modbus TCP installation requires UTP cable from the interface to the Flexbox.
For extending the interfaces with Modbus TCP, a 24v switch is needed.

The data transfer for this interface goes with the IP address.
This IP address needs to be set on fixed. The Fudura IP address can be gathered by contacting Fudura, through the customers contact.

2. Installation

The UTP cable needs to be in the interface and in the 24v switch, which is connected to the Flexbox.
In the meanwhile, Fudura needs to set the IP address in the meter, which gives the Flexbox access to it.

The IP address needs to be configured in the same range as the IP address off the Flexbox.
The IP address of the Flexbox can be found through an IP scanner of through CMD on your Windows laptop.
Example: 192.168.1.xxx or 10.10.20.xxx

3. Configuration

Configuration off a interface with the Oliva Flexbox will be done in the config file.
The program Win SCP is necessary and the manual can be found on the portal.

In the config file, change the parameters which is shown below.

- Device ID are following up on each other
- Device type is filled in on powermeter
- Manufacturer is Fudura
- Adress is where you fill in the IP address
- Port becomes 502, necessary for Modbus TCP
- VT and CT are the change ratio's off the incoming data
- Protocol is Modbus TCP
- To activate the interface, set in use to TRUE

```
"fudura_powermeter": {
    "device_id": [0,1,2,3,4,5,6,7,8,9],
    "device_type": "powermeter",
    "manufacturer": "fudura",
    "address": ["192.168.178.60","","","","","","","","",""],
    "port": 502,
    "vt": 1,
    "ct": 1,
    "protocol": "modbus_tcp",
    "in use": "FALSE"
```

4. Final check

After the configuration has been done, log in into the HMI and check the Acrel 3Ph page to see if the data is showing in the portal. If data is showing, the interface is installed correctly.