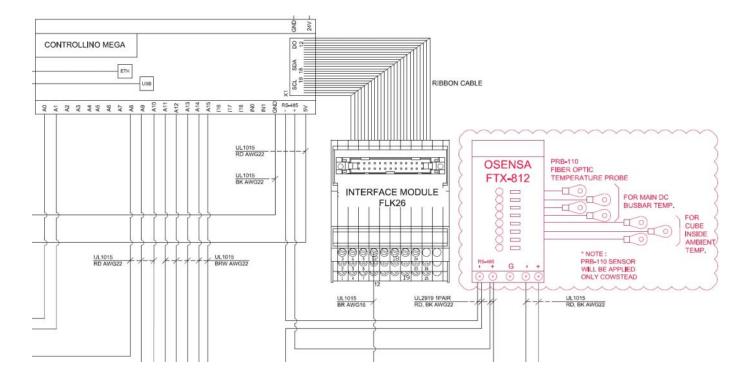
12:11

Freitag, 27. Mai 2022

Problem:

The cubes in Cowstead are the first of delivery. Therefore the 3x DS18B20 temperature sensors for the cube environment are not connected via interface module FLK26 to the Controllino. That means the temperature sensors are not reachable via modbus ID42 as input register with a offset 19.

The sensors old design like the cubes from Cowstead are connected as FO to the RS485 bus of the controllino via Osensa FTX-812 FO-RS485 transmitter.



The standart setting for reach the OSENA device in RS485 via modbus RTU polling are 9600 8N1 addr 247 and should be set to 19200 8N1 addr 10.

It was not possible to change the default setup of the OSENA device:

- **1.** to proper run the software it is nessaccary to modify the file "OsensaViewExecute.bat" in the program files folder but IT-security rules doesn't allow changes in program folder.
- **2.** the described bug in the 00TE-PRO-001-R2.8 (Controller Installing and Testing Procedure) is present in all devices. A recommended change of the devices was not happen.

8.1.1 Setup the device

The default device parameters are 9600 8N1 and Modbus slave address 247. Our test example was somehow buggy, I could change 9600 8N1 to 19200 8N1, but not slave ID to 10. After reset, the ID was again 247. Fluence ordered devices to be factory selected to 19200 8N1, Modbus ID = 10.

Recommended solutions:

1. can we modify the software (controllino, leaf controler, DAS) to reach the OSENSA devices via modbus RTU with the default settings 9600 8N1 addr 247? In the moment that seems like not acc the baud rate of 9600 instead 19200.

| F01A C01 N01 R01 CU01 (Core 01) | Device 1 monitor | 1 | 5/27/2022 8:39:25 AM |
|---------------------------------|--------------------|---|-----------------------|
| F01A C01 N01 R01 CU01 (Core 01) | Device 2 monitor | 1 | 5/27/2022 8:39:25 AM |
| F01A C01 N01 R01 CU01 (Core 01) | Device 21 monitor | 1 | 5/27/2022 8:39:25 AM |
| F01A C01 N01 R01 CU01 (Core 01) | Device 247 monitor | 0 | 5/27/2022 12:05:45 PM |
| F01A C01 N01 R01 CU01 (Core 01) | Device 3 monitor | 1 | 5/27/2022 8:39:25 AM |
| F01A C01 N01 R01 CU01 (Core 01) | Device 4 monitor | 1 | 5/27/2022 8:39:25 AM |
| F01A C01 N01 R01 CU01 (Core 01) | Device 42 monitor | 1 | 5/27/2022 8:39:25 AM |
| F01A C01 N01 R01 CU01 (Core 01) | Device 5 monitor | 1 | 5/27/2022 8:39:25 AM |
| | | | |

- 2. Is it possible to get ordered the OSENSA devices with correct communication parameter?
- 3. Is it possible to order the new sensors to modify the cubes acc the "normal" design?

