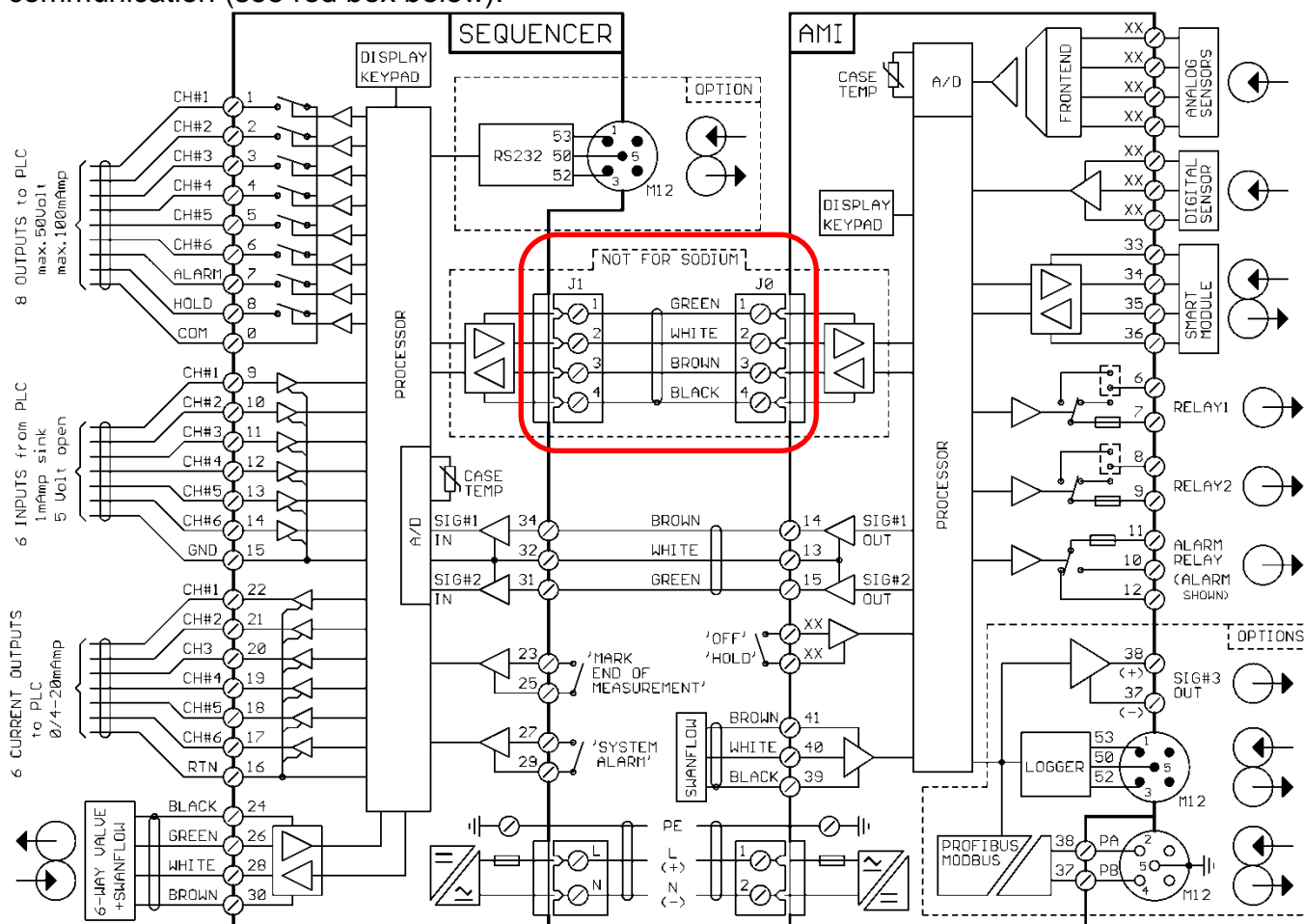


Product Information 09-2013

## I<sup>2</sup>C-Bus communication between AMI Mainboard V2.4 & AMI Sample Sequencer

As described in the manual of the AMI Sample Sequencer the mainboard of “Batch” instruments, e.g. AMI Silica or AMI Phosphate-II Boiler, are connected to Sequencer Mainboard via I<sup>2</sup>C-Bus communication (see red box below).



**Due to technical reasons the two data wires (which are the green and white wires) need to be inverted if the AMI transmitter is equipped with a Mainboard of version 2.4. This does not apply for AMI transmitters equipped with V2.3 or future versions of the mainboard, e.g. V2.5.**

Because this issue is an intermediate problem the pre assembled cable supplied with the AMI Sample Sequencer will remain as shown in the electrical scheme above.

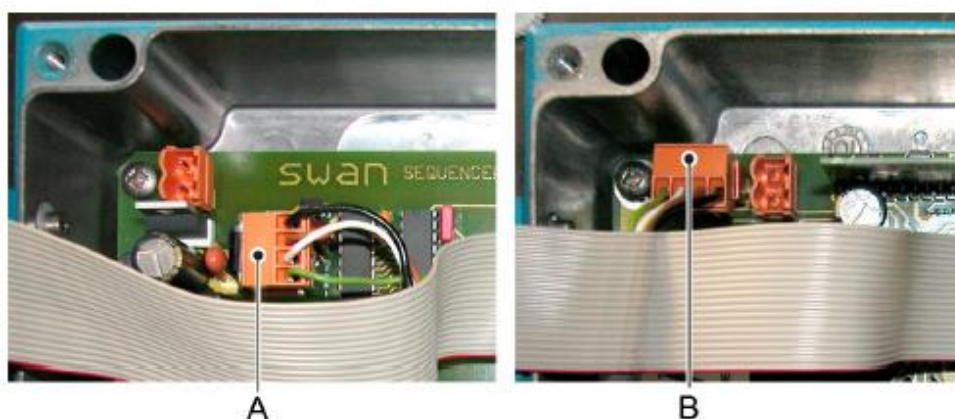
Connect the AMI analyzer and the Sample Sequencer as follows:

1. Switch off the Instrument.
2. Open the Transmitter cover.
3. Feed one cable ends through a PG 7 cable gland into the transmitter housing of the AMI analyzer and the other one into the transmitter housing of the Sample Sequencer.
4. Connect the cable to the plugs according to the following table.

**Note:** Due to technical reason the data signal wires green and white of the I<sup>2</sup>C bus needs to be inverted connected to the plug if the transmitter of the AMI analyzer is equipped with the main board V2.4.

	Terminal Number		
Wire color	Plug AMI Sample Sequencer	Plug AMI Analyzer	
		Main board V2.3	Main board V2.4
green	1	1	2
white	2	2	1
brown	3	3	3
black	4	4	4

5. Insert the plugs into the sockets on the main boards according the picture below.



**A** Plug AMI Sample Sequencer

**B** Plug AMI analyzer