

## Check amperage rating of FT sensor

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

Check the amperage rating of the FT sensor. Typically the FT sensors supplied have been rated at 4 Amps, however in some sites have received sensors rated at 6 Amps.



If the sensor is rated at 6Amps, measure the voltage on the DC output of AN1:G05 & G06. Adjust the DC voltage to 29VDC by turning the “OUT ADJ” screw on the front of the AN:G05 & G06.



Troubleshoot cause of communication loss or invalid sensor data

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

A comprehensive troubleshooting guide and flowchart exists for this fault. Follow the troubleshooting steps outlined in document 0010-1892 to resolve the issue.

Relevant documentation	
Description	DMS No.
FT Sensor Fault Finding Procedure	<a href="#">0010-1892</a>

## Replace the RS485-Repeater

### Does this solve the problem?

1] Yes

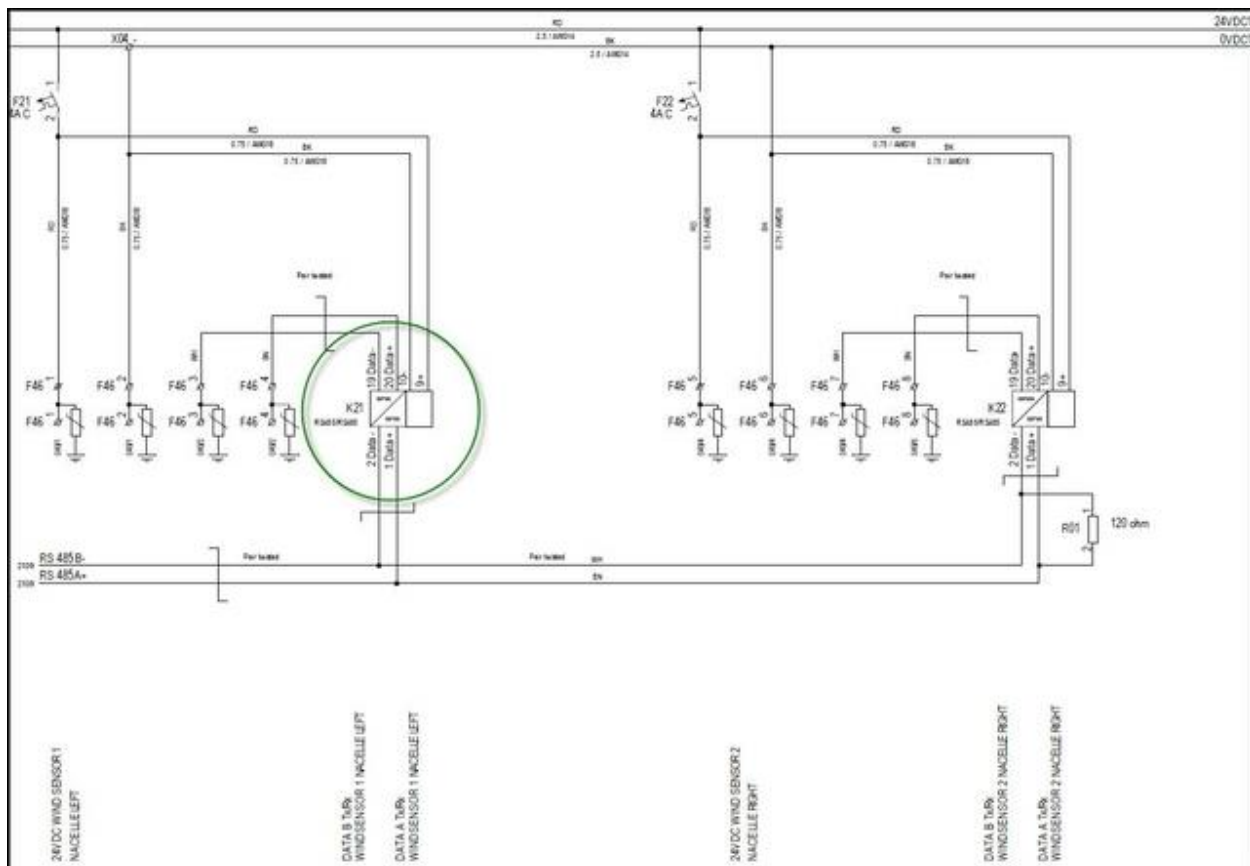
2] No

3] I don't know

- **Explanation**  
+AN1 Panel:

Check the connections at RS485(K21) repeater and Check led status, One LED for power "ON" glow continuously other LED for signal transmission blinks if the LED not glow change the RS485 repeater.





Relevant spare parts	
Description	Item No.
RS485/RS485 REPEATER I-75	<a href="#">60004933</a>

**Replace defective RS232/RS485 CONV I-7520 ICP**

**Does this solve the problem?**

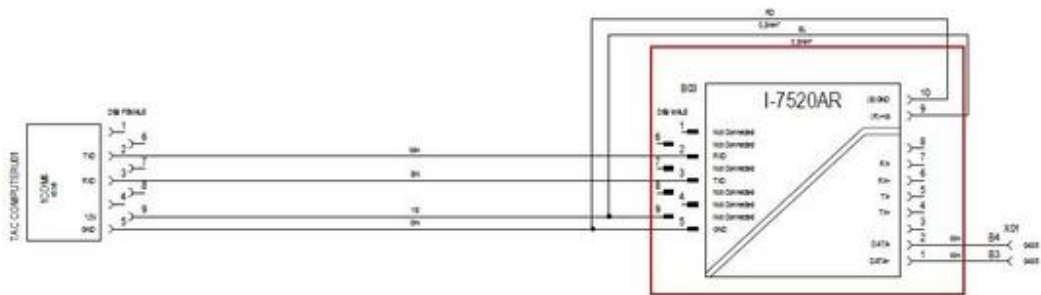
- 1] Yes
- 2] No
- 3] I don't know

- Explanation**  
**+AT2 Panel:**

Check the connections at the ICP RS232/RS485 converter in the AT2 panel. Check for loose wires and plugs or corrosion at the converter.







	Property of Vestas Wind Systems A/S. This drawing must not be passed on to any person, nor be copied or otherwise made use of without our approval.		Date		Version	Function		RS485 comm. to +AT1 Top Panel	
	Designed		070628		FLT	Project title		Control Panel +AT2 V82-1.65MW MK5 50Hz	
	Approved		070628		FLT	Comments		Customer	
	Rev		070628		IN	Rev		Drawing no.	
								934704	
								Cont. sheet	
								505	
								Sheet	
								504	

### Relevant spare parts

Description	Item No.
RS232/RS485 CONV I-7520 ICP	<a href="#">60004927</a>

### Note:

The below errors also may occur due to this defective converter;

[399](#) - TAC-85 COMMUNICATION FAULT

[398](#) - TAC-84 COMMUNICATION FAULT

[590](#) - TAC-84 DOWNWIND COMMUNICATION FAULT

[223](#) - WIND SENSOR RIGHT FAULT

[595](#) - TAC 84 LATERAL COM.FAULT

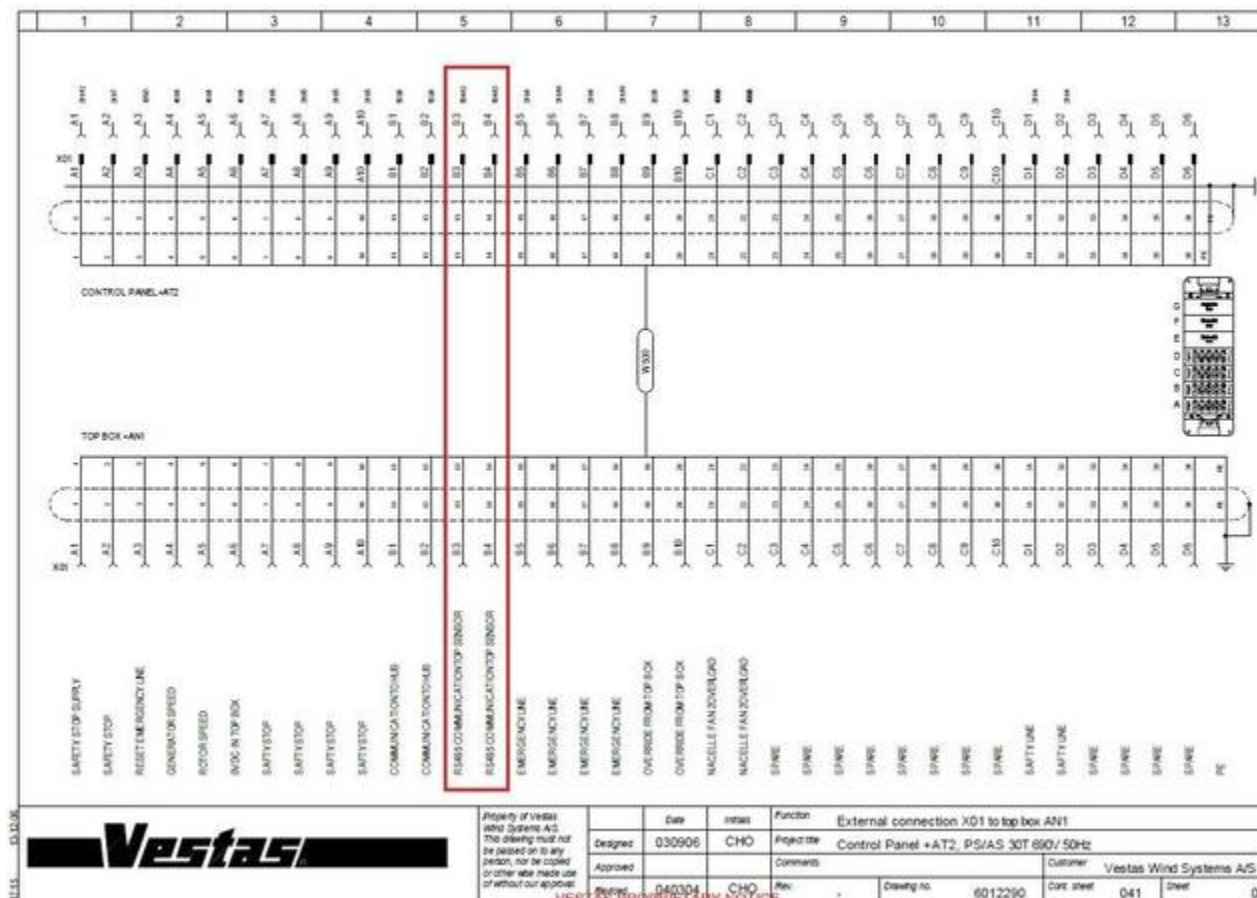
**Check & repair cable connections**

## Does this solve the problem?

- 1] Yes
- 2] No
- 3] I don't know

### Explanation

Check the continuity of B3 & B4 cores in cable W500 and replace with spare core, if no continuity.



### Note:

The below errors also may occur due to this defective cable core;

[399](#) -TAC-85 COMMUNICATION FAULT

[398](#) -TAC-84 COMMUNICATION FAULT

[590](#) -TAC-84 DOWNWIND COMMUNICATION FAULT

[223](#) -WIND SENSOR RIGHT FAULT

[595](#) -TAC 84 LATERAL COM.FAULT



