

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	0010-1892

Replace the RS485-Repeater

Does this solve the problem?

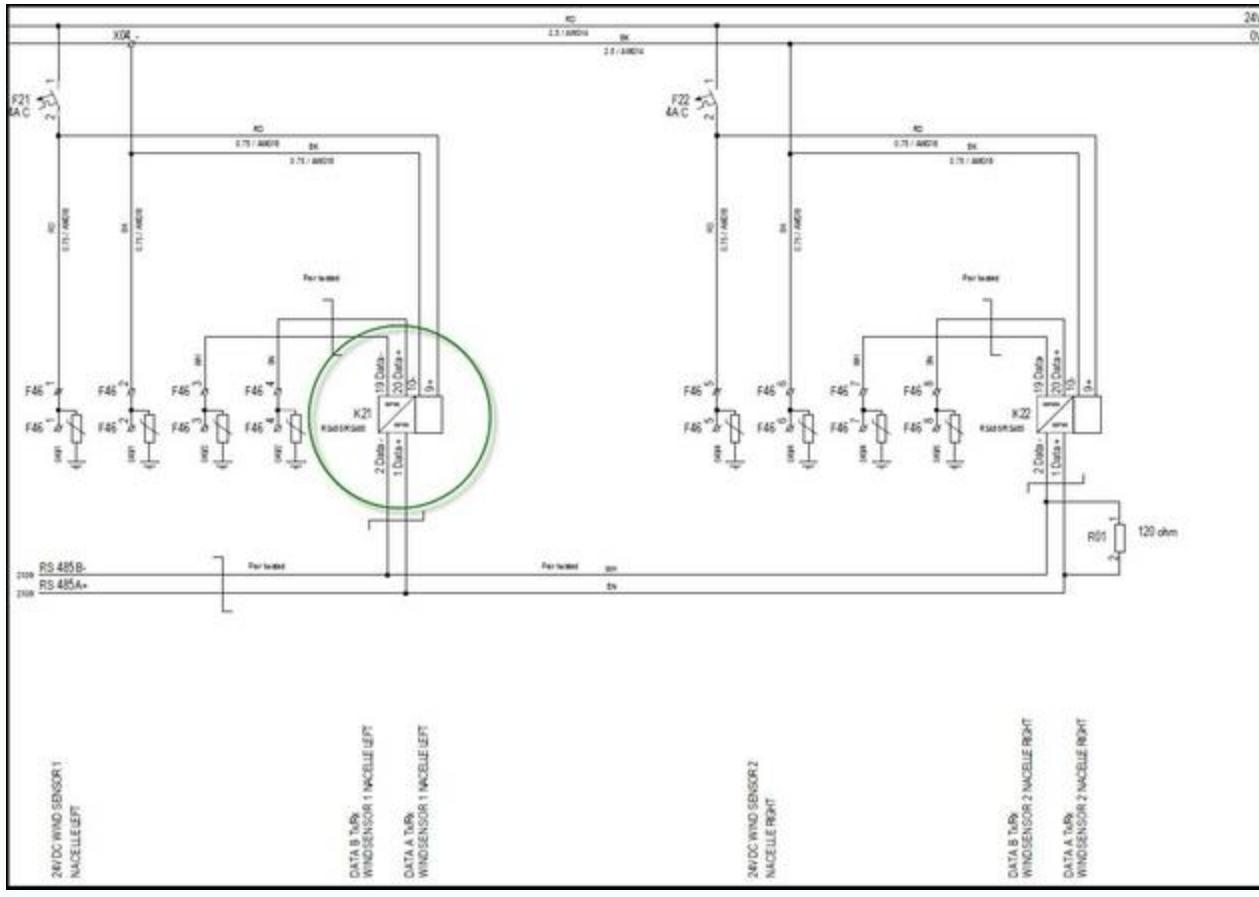
- 1] Yes
- 2] No
- 3] I don't know

- **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	60004933

Replace defective RS232/RS485 CONV I-7520 ICP

Does this solve the problem?

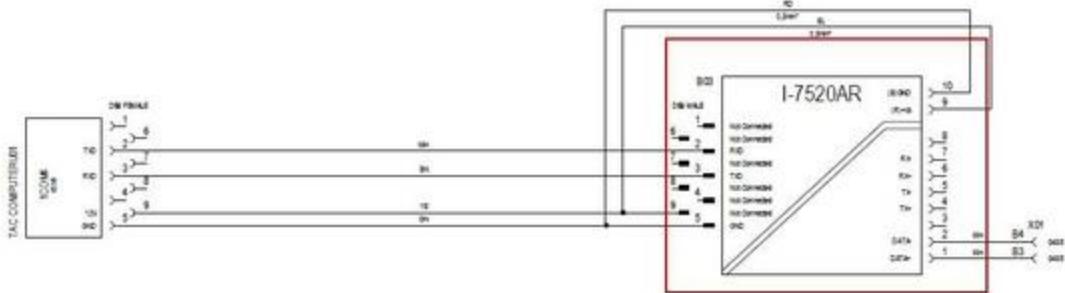
- 1] Yes
- 2] No
- 3] I don't know

• **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.





Vestas	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 express written consent.	Date	Version	Function
	Designed: 070628	FLT	Project title:	RS485 comm. to +AT1 Top Panel
	Approved: 070628	FLT	Comments:	Control Panel +AT2 V82-1.65MW MK5 50Hz
	Reviewed: 070628	IN	Rev:	Customer: Vestas Wind Systems A/S

VESTAS PROPRIETARY NOTICE

Relevant spare parts	
Description	Item No.
RS232/RS485 CONV I-7520 ICP	60004927

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?

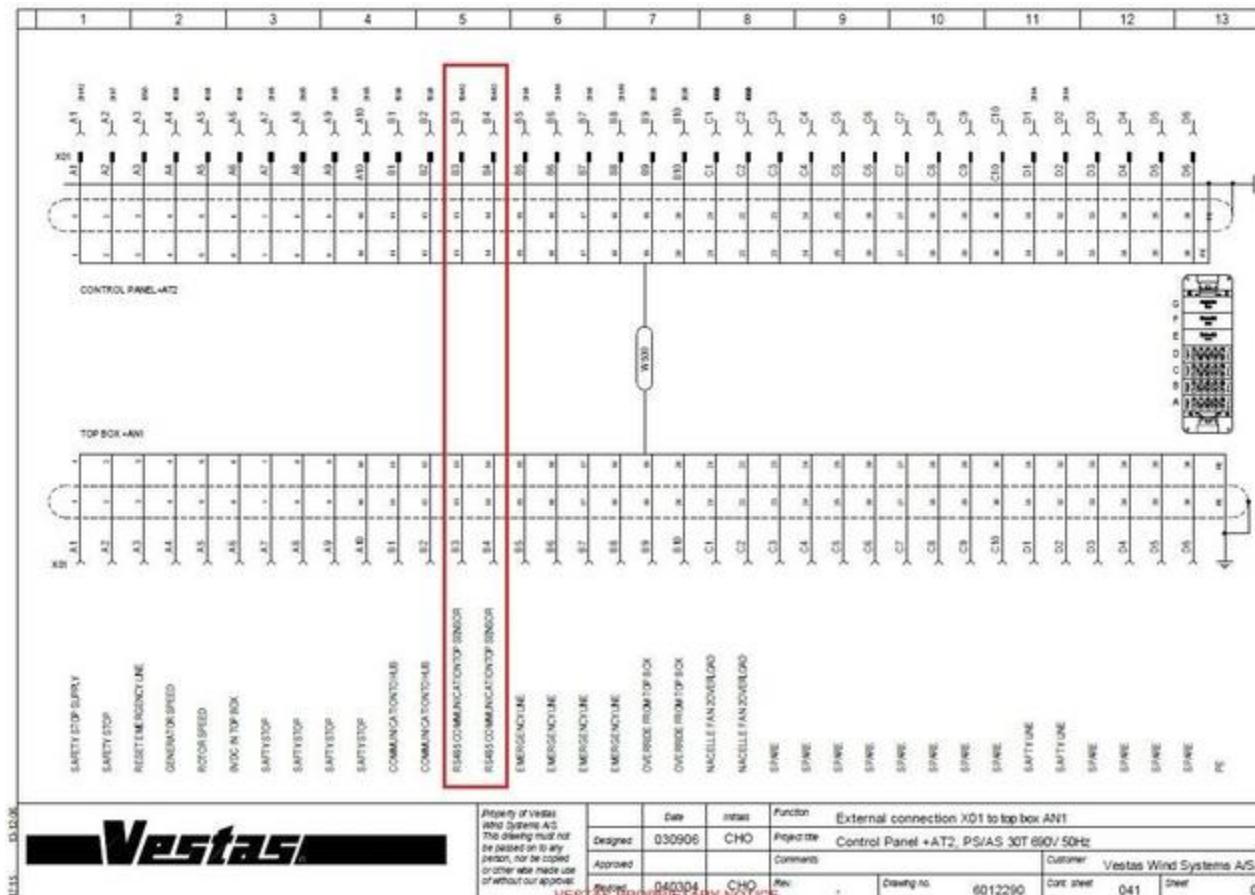
1] Yes

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 - WIND SENSOR RIGHT PAGE