

Replace defective RS232/RS485 CONV I-7520 ICP

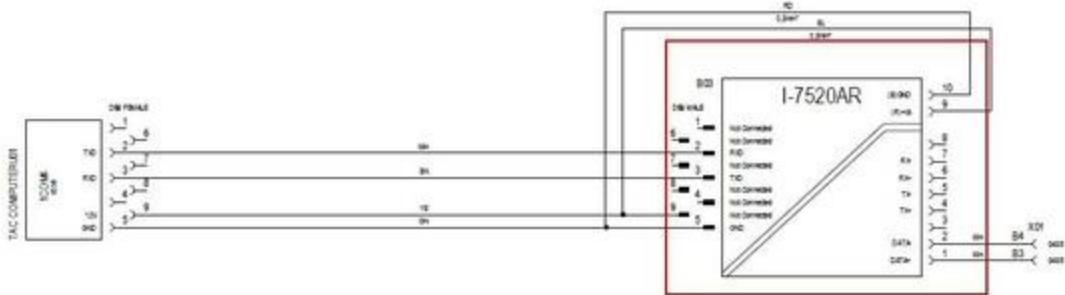
Does this solve the problem?

- 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: 070628	Printed: FLT	Function: RS485 comm. to +AT1 Top Panel
		Approved: 070628	Comments: FLT	Project title: Control Panel +AT2 V82-1.65MW MK5 50Hz
		Revised: 070628	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 cable core;

[398 TAC-84 COMMUNICATION FAULT](#)

[590 TAC 84 DOWNWIND COM. FAULT](#)

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

[222 WIND SENSOR LEFT FAULT](#)

223 WIND SENSOR RIGHT FAULT

Check & repair cable connections

Does this solve the problem?

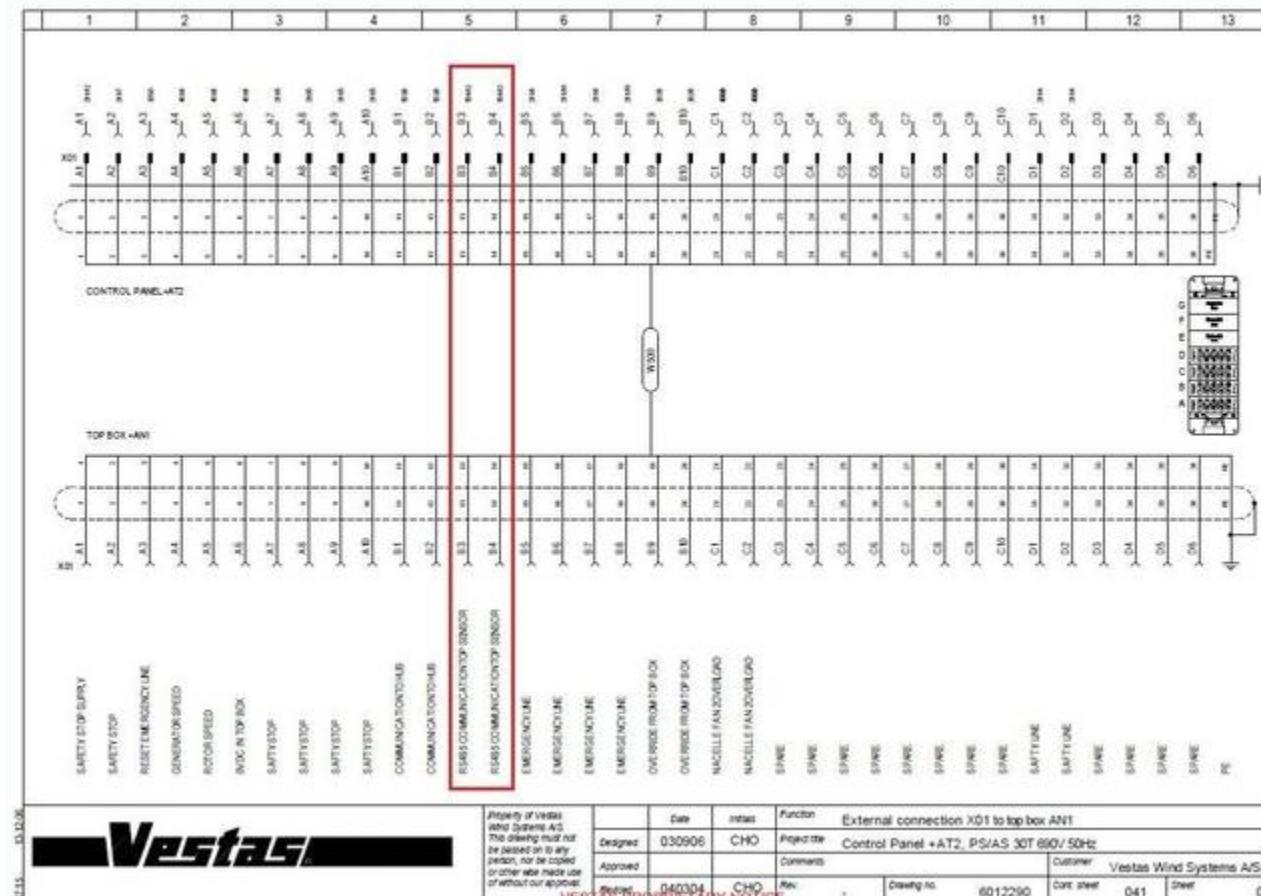
1] Yes

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.



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

[398](#) TAC-84 COMMUNICATION FAULT

[590](#) TAC 84 DOWNDOWN COM. FAULT

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

[222](#) WIND SENSOR LEFT FAULT

[223](#) WIND SENSOR RIGHT FAULT

Replace the faulty wind sensor

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

A faulty wind sensor may cause the drop in communication line for TAC84, TAC84 Lateral, TAC84 Downwind, and TAC85 as all these RX/TX connected at the same port. Remove the sensor cable in AN1 panel to see if the communication on TAC84 & 85 recovers.

If communication restored, then the problem could be FT wind sensor may failure and doing a malfunctioning in the common communication path.

Relevant spare parts	
Description	Item No.
WIND SENSOR US FT702LT	<u>60111943</u>
WIND SENSOR US FT702LT V22	<u>106510</u>

NOTE: A faulty wind sensor will always cause a number of other related warnings;

Note:

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

398 TAC-84 COMMUNICATION FAULT

399 TAC 85 com fault

590 TAC 84 DOWNWIND COM. FAULT

595 TAC 84 LATERAL COM. FAULT

222 WIND SENSOR LEFT FAULT

223 WIND SENSOR RIGHT FAULT