

Check and tighten all terminal connections in the PT100 circuit

Does this solve the problem?

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

● [Explanation](#)

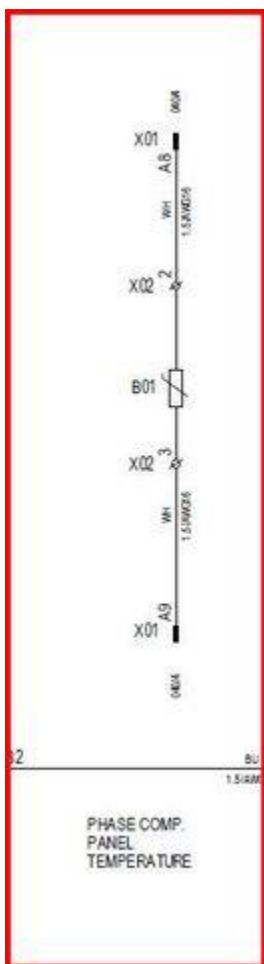
Remove the X-01 plug from the AT3.

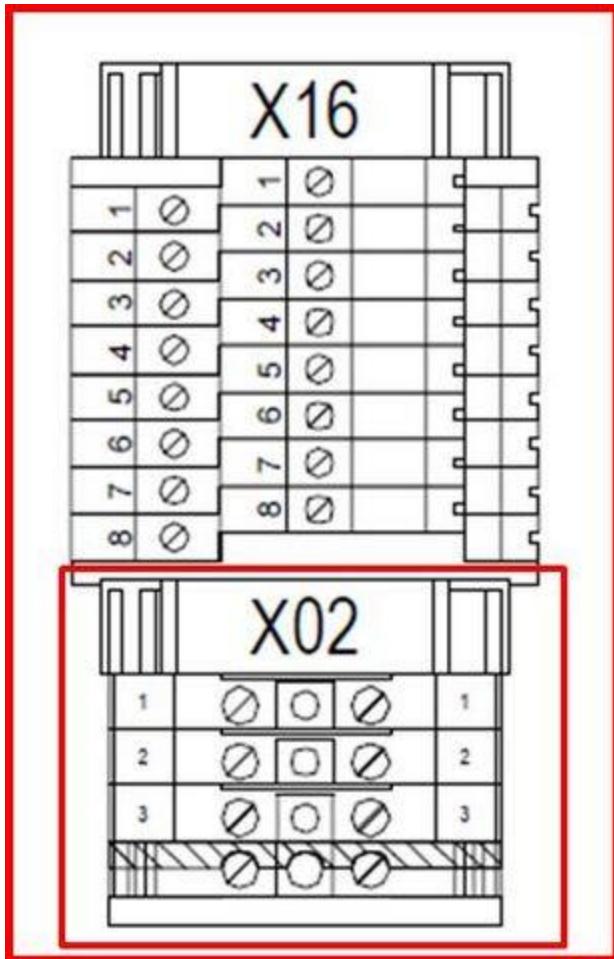
Remove the plug cover and inspect the wire terminations for loose connections (AT3 Temperature sensor B01 wires are terminated at pins A8 & A9).

Inspect the wires and pins in the interior cabinet side of the plug.

Inspect the wire terminations at terminal block X02 2 & 3.

B01 PT100 Terminations:





Repair any loose connections found.

Remove the X-06 plug from the AT2.

Remove the plug cover and inspect the wire terminations for loose connections (AT3 Temperature sensor B01 wires are terminated at pins A8 & A9).

889 - Pt100 fault phase comp - NM72NM82V82 Mk1-5



Troubleshoot/replace PT100

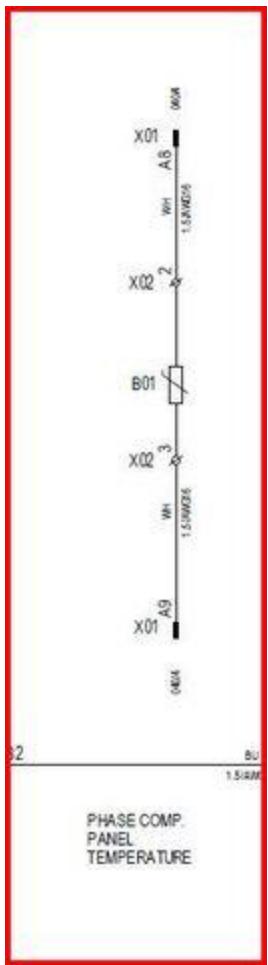
Does this solve the problem?

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

● [Explanation](#)

Note the AT3 panel temperature reading in the TAC Controller.

Remove the PT100 wire connections from X02 terminals 2 & 3.



Use a multimeter to measure resistance across the wires, convert the resistance in Ohms to °c using the PT100 Temperature chart [0039-6203](#)



Compare the value to that taken from the turbine controller.

If the value matches that of the controller (or it is realistic and the controller value is not) the sensor is likely good.

If the measured value from the PT100 is unreal, the sensor has failed and must be replaced.

60009279- PT100 18042M Ø6x60mm

Troubleshoot/replace Tower TOI

Does this solve the problem?

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

● [Explanation](#)

If the value does not match that taken from the TAC Temperature menu, then the cause is likely a faulty Tower TOI (check other panel temperature alarms, as these will likely be affected as well).

51701501- TOIII INTERF NM1500 TOWER

889 - Pt100 fault phase comp - NM72NM82V82 Mk1-5



Check and tighten the PT100 connections at the TOI

Does this solve the problem?

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

● [Explanation](#)

Check the TOI Input and Output Connection in terminal 301, 311, 312.

