Check the signal from the AT1:T07

Does this solve the problem?

1] Yes

2] No

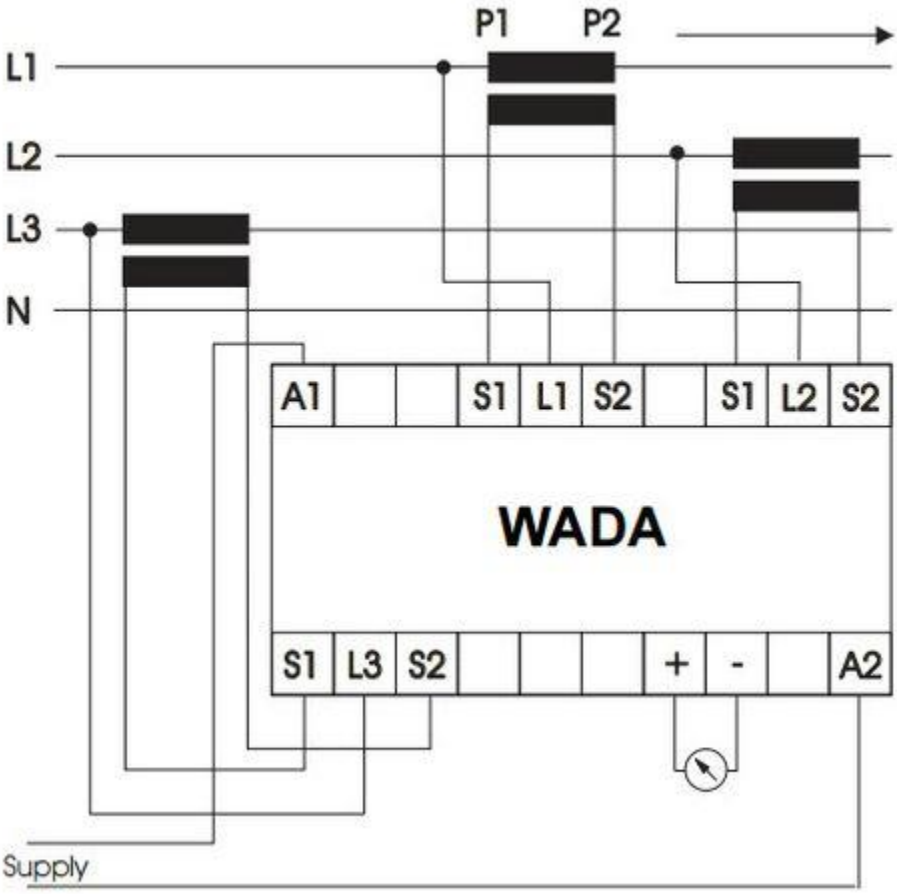
3] I don't know

- **Explanation**

The power consumption signal comes from the AT1:T07 and travels through the W590 cable to the AT2:U2. Inspect the circuit path and verify there are no opens from the CTs to the T07 and from the line side of the F17 to the T07.

Verify that the T07 has supply power by measuring for 230VAC between terminals A1 and A2.

If the power supply is good and the current and voltage inputs are all connected, then try replacing the T07.



T07 Connection Diagram.

Relevant spare parts	
Description	**Item No.**
POWER CONV WAD 200kW/600V	60004958

Test the Amphenol plugs for loose connections

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

Check the Amphenol connection on both sides of the W590; terminal X01 on the AT1 and terminal X07 on the AT2. Check that there is continuity across the Amphenol connections while the plugs are connected. Perform a pull test on the wires. Check the wiring diagrams for the exact path of the power consumption signal wires (circuit was changed in the 2004 revision).

Relevant spare parts	
Description	**Item No.**
HOUSING 46P BULKHEAD	60006576
Amphenol Plug Service Kit	60025069

Check the F17 for opens

Does this solve the problem?

1] Yes

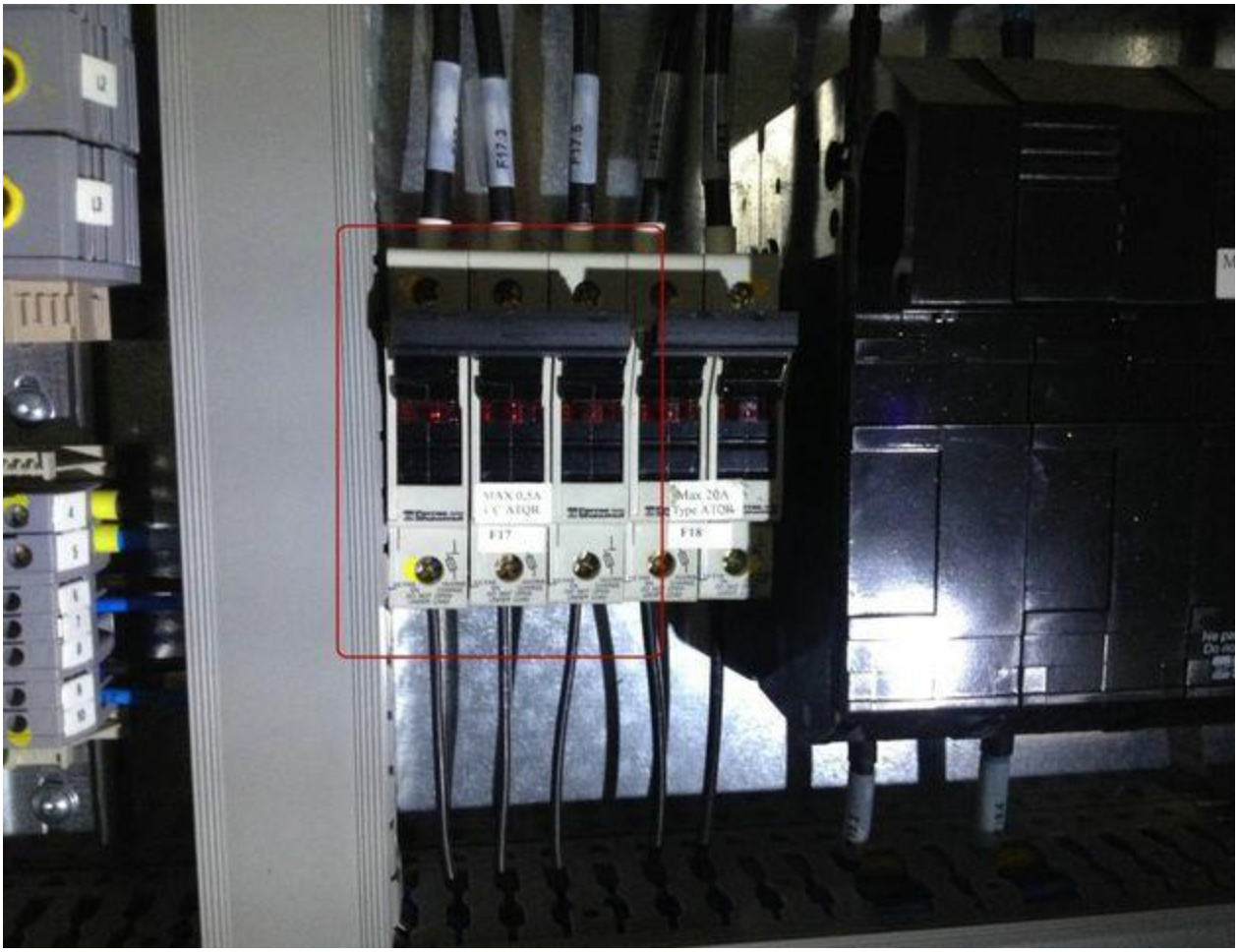
2] No

3] I don't know

- **Explanation**

This alarm can be caused by a faulty measurement. The voltage inputs have to cross the F17 to get to the T07.

Use a meter to check the AT1: F17 for continuity across the fuses. Measure from AT1:T07:L1, L2, and L3 to AT1:X06:L1, L2 and L3 respectively. Replace any fuses found defective.



Relevant spare parts	
Description	**Item No.**
FUSE ATQR 600V 0.5A CC TD UL	60005379

Check CTs T04, T05, & T06

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

  This alarm can be caused by a faulty measurement. The current transformers connected to the T07 may be shorted or open. On the AT1: T07, measure the resistance from S1 to S2 for all three lines. Look for opens or shorted coils. Replace any defective current transformers found.

Relevant spare parts	
Description	**Item No.**
TRAFO CURRENT 200/1A 3VA	60007143