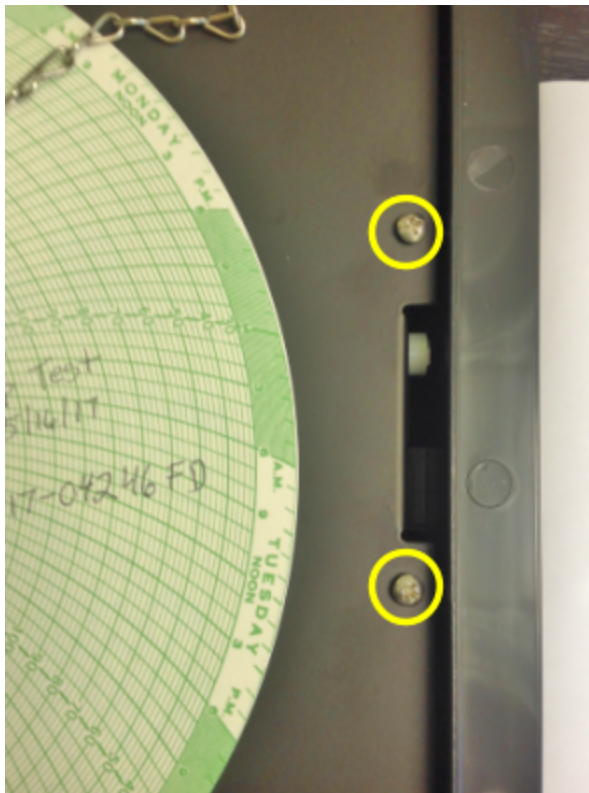




Chart Recorder Temperature Probe Replacement Guide:

How to replace a three wire probe (RTD) with a two-wire probe (TC).

1. First park the pen as the instruction manual says.
2. Remove power to the chart recorder by unplugging the AC power cord.
3. Open the chart recorder door and remove the two Philips head screws on the right side of the chart plate by the latch.



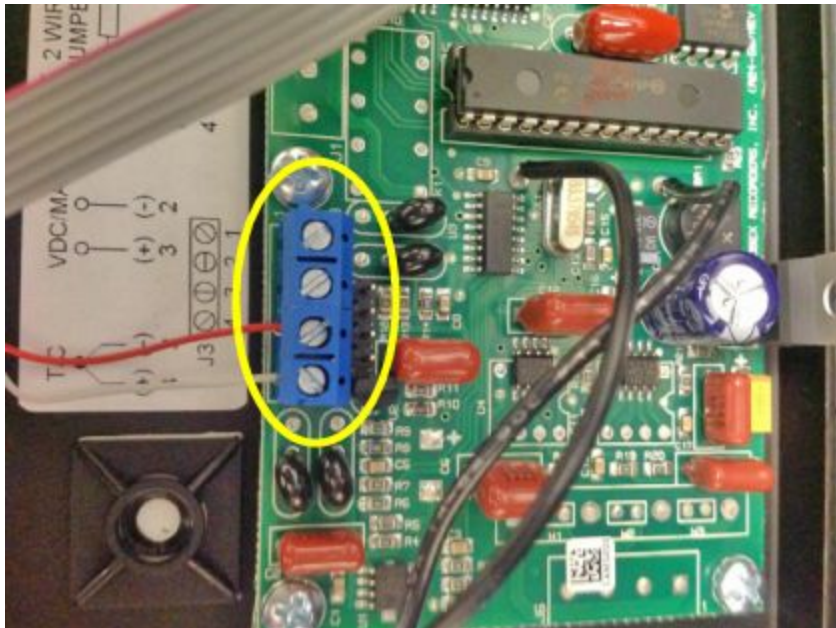
4. On the bottom of the recorder enclosure, on the outside, is a cord grip which the temperature probe wire goes through to enter the enclosure. This cord grip is filled with silicone sealer to prevent moisture from entering the enclosure.



5. Remove the large outer nut of the cord grip and the silicone, there is a plastic reducing bushing on the inside that needs to be saved and reused. There are several wire ties holding the temperature probe wire in place that need to be cut and removed.

BE SURE the AC power to the chart recorder has been removed!!!

6. On the circuit board there is a blue terminal strip (J3) numbered 1 - 4 with 1 being on the top.



7. Remove the old probe wires. Feed the new probe cable through the large cord grip nut, then through the cord grip with bushing, and bring the wires to the terminal strip. The new TC probe



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has only two wires, one white and one red. Put the white wire under the #4 screw terminal (+), and the red wire under the #3 screw terminal (-). Be sure the wires are at the BOTTOM of the terminal strip and that the white wire is on terminal 4 (+) and the red wire is on terminal 3 (-).

8. Tighten the large cord grip nut, with the reducing bushing in place, and fill the void in the cord grip with silicone to keep moisture out of the recorder enclosure.

9. Close the chart plate and replace the two Philips screws.

10. Plug in the AC power cord to return power to the chart recorder. Now you MUST change the recorder setup, with a setup chart, and following the chapter 3 programming instructions (3-1-1 Recorder Setup "Single Pen Ink Type") on page 18. Pay close attention to the "Probe Input" section and set the recorder to "J" for your new 2 wire probe. All the other sections remain the same.

For further questions and assistance, please contact us at:

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