

8.4 Auxiliary Output Calibration

Introduction

Calibrate the recorder so that the auxiliary output provides the proper amount of current over the desired range.

- The recorder can provide an auxiliary output current range of from 2 to 21 milliamperes and can be calibrated at 4 mA for 0% of output and 20 mA for 100% of output or any other values between 2 and 21 mA.

Equipment needed

You will need a standard shop type milliammeter, with whatever accuracy is required, capable of measuring 0 to 20 milliamps.

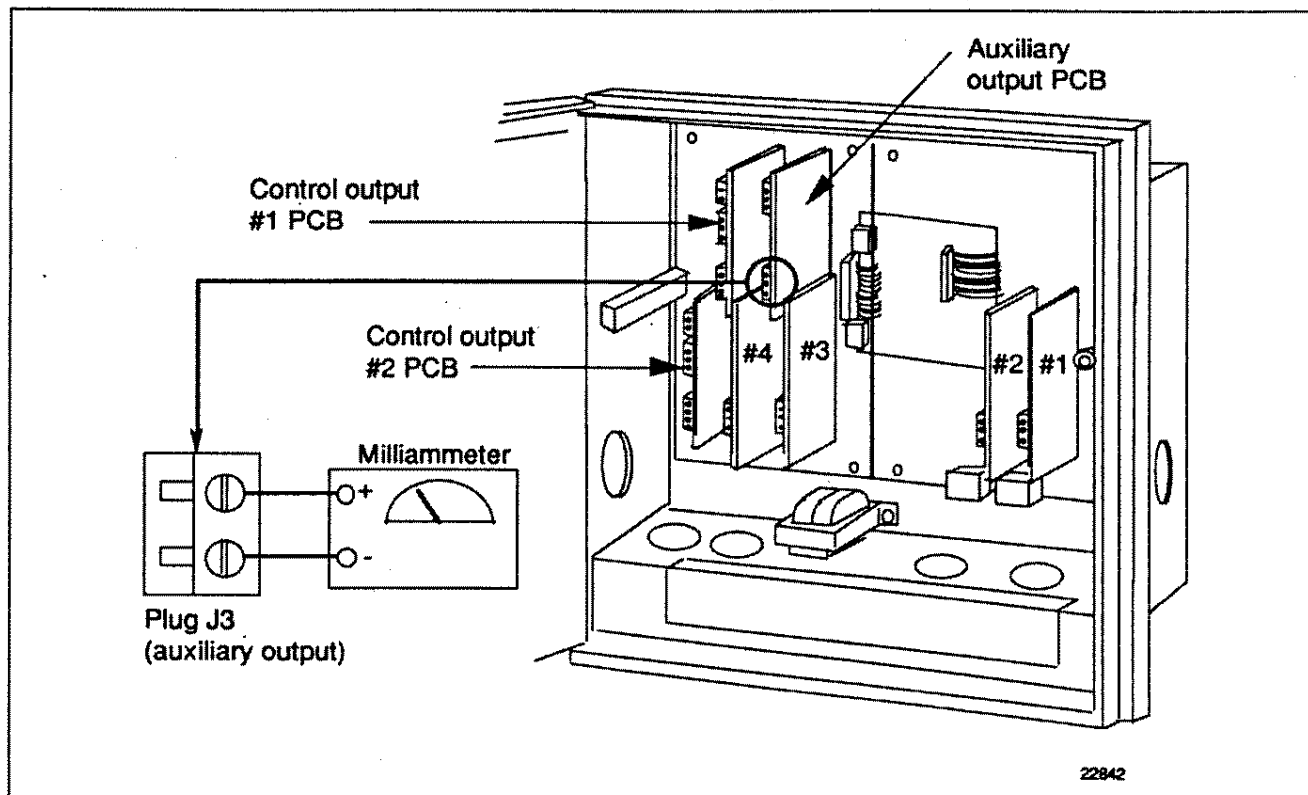
Calibrator connections

Refer to Figure 8-2 and wire the recorder according to the procedure given in Table 8-4.

Table 8-4 Set Up Wiring Procedure Auxiliary Output

Step	Action
1	With the power off, door open, and the chart plate swung out; tag and disconnect field wiring from the plug in connector J3 on the auxiliary output PCB (see Figure 8-2).
2	Observing polarity, connect a milliammeter's leads to the plug for connector J3.
3	Close the chart plate; apply power and allow the recorder to warm up 15 minutes before you calibrate.

Figure 8-2 Test Equipment Connections for Calibrating Auxiliary Output



















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8.4 Auxiliary Output Calibration, Continued

Procedure

The procedure for calibrating the Auxiliary Output is listed in Table 8-5. Make sure "LOCKOUT" in the Set Up group is set to "NONE." See *Section 3 – Configuration*.

Table 8-5 Auxiliary Output Calibration Procedure

Step	Description	Press	Action/Result
1	Enter Calibration Mode	 until you see	Upper Display  Lower Display 
2	Calibrate 0%		You will see: Upper Display  a value Lower Display 
		 or 	Until the desired 0% (4 mA) output is read on the milliammeter.
3	Calibrate 100%		Stores the 0% value and, you will see: Upper Display  a value Lower Display 
		 or 	Until the desired .100% (20 mA) output is read on the milliammeter.
4	Exit the Calibration Mode		The recorder stores the span value.
		 or 	To exit the calibration mode.