



# Adjustment Procedure for RPS-150A

**Before starting adjustment procedure:** Set P1 at full counter-clockwise and P2 at full clockwise. This will set the sensor to factory default settings. The near point (P1) will be less than 2" or 5", and the far point (P2) will be greater than 40" or 80".

- P1 Adjust the near point
- P2 Adjust the far point

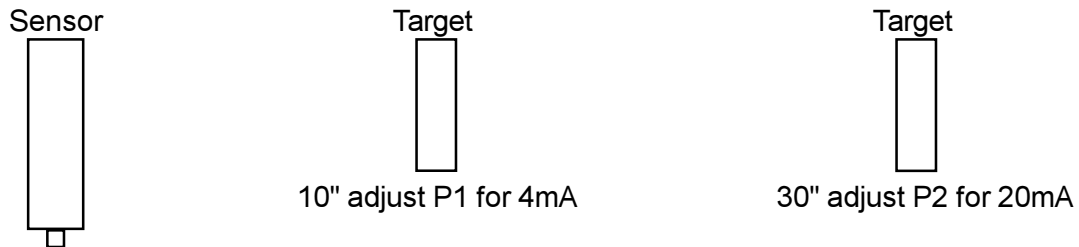
P1 and P2 are identified on the label at the back of the sensor.

**Note:** When adjusting, always adjust the near point first (P1), and then the far point (P2).

## **EXAMPLE: NON-INVERTED ADJUSTMENT**

If the desired window for the 4-20mA output is 10" to 30". The following adjustment procedure should be followed.

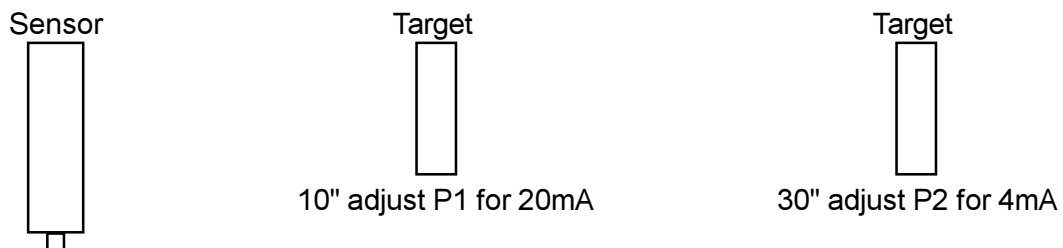
1. Place the target at 10" and adjust P1 for 4mA (or slightly above).
2. Place the target at 30" and adjust P2 for 20mA.
3. Repeat steps 1 and 2 for a more precise adjustment if desired.



## **EXAMPLE: INVERTED ADJUSTMENT**

If the desired window for the 4-20mA output is 10" to 30". The following adjustment procedure should be followed.

1. Connect the white wire to plus. This inverts the 4-20mA output.
2. Place the target at 10" and adjust P1 for 20mA.
3. Place the target at 30" and adjust P2 for 4mA.
4. Repeat steps 2 and 3 for a more precise adjustment if desired.



These two examples also apply to the voltage output (0-10V). In the case of inverting the voltage output, connect the black wire to plus instead of the white wire.