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ISSPRO Digital Tachometers P/N R8521 & R8522 (Old P/N 2721,2)
Sender Unit(s) P/N R8332, R8333 (Old P/N R8331,2731,2,3)

General Information:

Power Requirements: 10-16 VDC @ 350 mA (4.2 W)

Input Signal: ISSPRO noise canceling signal only

Protected against reverse power connection and voltage transients

Range: R8521: 9990 RPM (10 RPM increments)
R8522: 9999 RPM (1 RPM increments)

Error: R8521= +/- 10 RPMs
R8522= +/- 1 RPM

Display update time: 1 second

Photo sensor detects ambient light conditions and adjusts display brightness accordingly.

Calibration:

There is no calibration adjustment on either the R8521/R8522 Tachometer or the R8332/R8333 sender. Accuracy is maintained by a crystal controlled oscillator in the tachometer. Three sender ratios are available as described below:

The R8332 sender is manufactured to produce either 1:1 or 2:1 reading when used with the R8522 tachometer. This feature is useful in applications where the sender is driven at ½ engine speed (i.e. fuel pump drives). Leaving the red wire loop on the sender uncut provides a 2:1 reading. To produce a 1:1 reading, cut the loop.

The R8332 produces a reading of ½ of the driven speed. An example of this application is a blower drive which is running at twice the engine speed.

Sender Drive Speed	Correct Sender
1) ½ engine speed	R8332… wire loop uncut* (old P/N R8331)
2) engine speed	R8332… wire loop cut*
3) 2 X engine speed	R8333… wire loop uncut*

*Refer to wiring diagram on reverse side.

ISSPRO R8521 & R8522 Digital Tachometer
Wiring Diagram