

# OPT3 Option Card

The OPT3 option card is a signal conditioner that converts sine wave type signals produced from two wire magnetic style pick-ups or speed sensors into a 0 – 5Vdc square wave pulse. This square wave pulse can then be read by the control that the OPT3 is connected to.

To use this card you simply need to insert the three fingered end of the OPT3 pc board into the three terminals on the control labeled S1, +5V and COM. The OPT3 board should be positioned so that the terminal block on the OPT3 is facing upward. Refer to figure 1 below. The three terminal positions on the control that the OPT3 is plugged into should then have the screws tightened down to 3.5 – 4.5 in.-lb.

You are now ready to connect your sensor to the OPT3. This should be done per the instructions of the sensor you are using and the hookup diagram in figure 2 below.

**Note:** Once the OPT3 is being used, you should never attempt to wire anything else to the terminals of the control that the OPT3 is connected to. If the COM and +5 terminals are requires for other connections then the terminals on the OPT3 should be used for this.

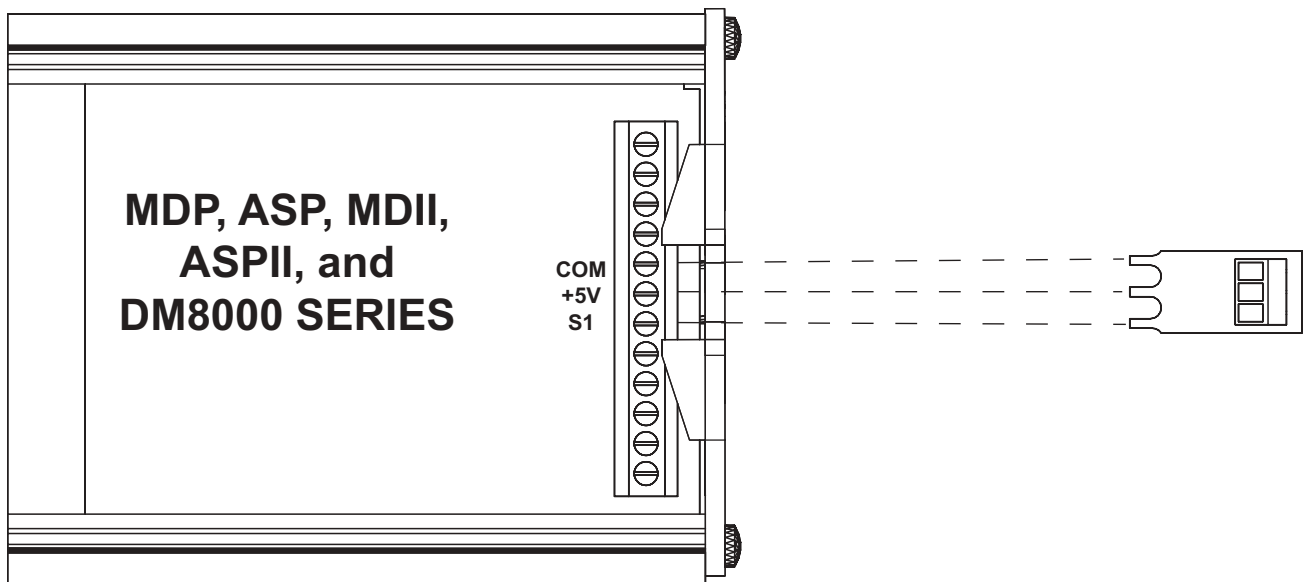


FIGURE 1

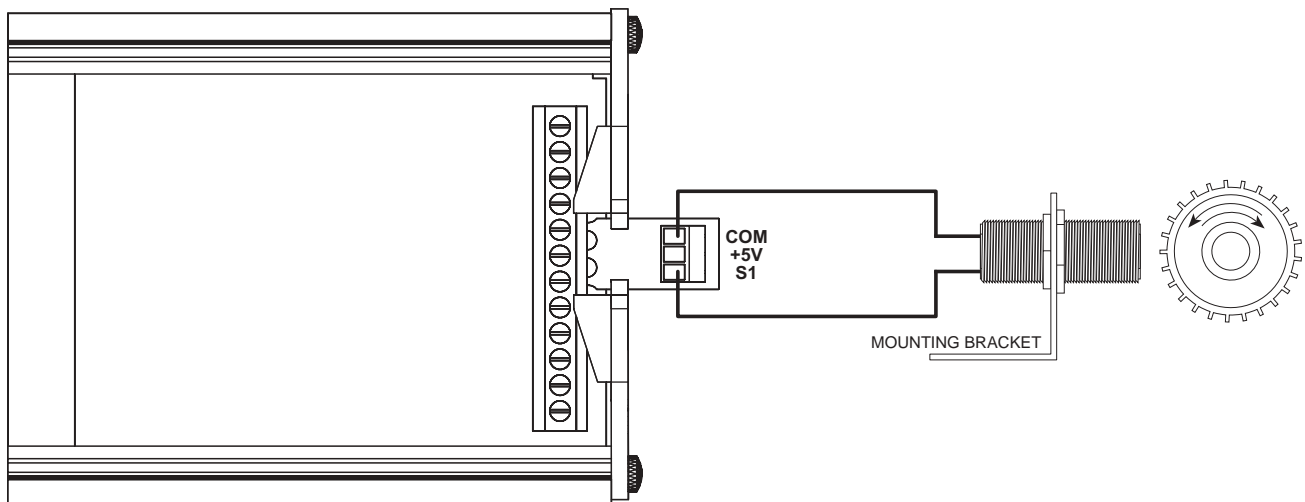


FIGURE 2