Digital Tachometer - NPN type sensor

Power Supply: DC 8 volts – 15 volts, (we can supply a 24v stepper unit if required.)
Display character dimensions: 46mm long and 14mm high
Input signal: NPN switch, threaded with nuts to adjust
Clear zero: automatic 5 -30 seconds
Weight: 50g
Measure range: 5 to 9999 rpm
Panel cut out: 75mm x 39mm
Overall dimension: 79mm x 42mm x 39mm
Refresh rate: 120 to 1200rpm 0.2 to 0.5 seconds and 2400 to 9999 rpm 0.06 seconds
Supplied: 1 x tachometer
1 x NPN sensor
1 x neodymium magnet
1 x installation wiring instructions
Wiring Instructions:
Display Cable - Pin 1 = Battery V+ (via ignition switch) and Brown wire from NPN sensor
Display Cable - Pin 2 = Battery V- and Blue wire from NPN sensor
Display Cable - Pin 3 = Blank
Display Cable - Pin 4 = Blank
Display Cable - Pin 5 = Black from NPN sensor
NPN sensor:
The supplied magnet is a super magnet (Neodymium) and are very powerful, take care in handling as they will shatter if let to slam onto metal objects. Even though it might seem secure on a rotating pulley, it must be glued with an epoxy type glue like Araditite
The pulley or rotating mass to which you are mounting the magnet to must NOT be magnetic as the sensor will not work this will be indicated by the light always on.
The NPN sensor has a 12mm shaft and you need to mount this on a suitable bracket to allow adjustment.
Adjust to 10mm gap between magnet and sensor. If you are able to rotate the unit slowly, once powered up a small LED on the end of the sensor will flash to indicate that the signal has been broken.

Display

NPN Sensor