Digital Tachometer - Reed 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: Reed switch
Clear zero: automatic 5 -30 seconds
Weight: 50g
Measure range: 5 to 9999 rpm
Panel cut out: 70x33mm
Overall dimension: 72mm x 36mmx20mm
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 reed switch
1 x neodymium magnet
1 x installation wiring instructions
Wiring Instructions:
Display Cable - Red = Battery V+ (via ignition switch) and one white wire from NPN sensor
Display Cable - Black = Battery V-
Display Cable - Yellow = one white wire 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.
The reed switch is required to be mounted on a suitable bracket to allow adjustment. Adjust to 10mm gap between magnet and sensor. If you want to test the switching capability, use a multi meter on resistance, preferably with a buzzer function. Bring the magnet close to the reed switch and you should note the switch turning on and off

Display

Reed Switch