

## VLS/DA1 Operating Instructions

### Wiring Guide

Black wire:	Output 0V
White wire:	Output (0 - 6V DC)
Green wire:	0V Supply
Red wire:	+5V DC
Blue wire:	Connected to 0V Supply= Range 1 (0-6000) Not connected= Range 2 (0-60,000)

### Technical Specifications

Optical Range:	25-1000 mm
Optical Angle:	45 degrees
Optical System:	Tungsten filament lamp
Power Source:	+5 Volts DC 160mA
Analogue Output:	0-6V for 0 to 6,000 RPM (Range 1) 0 - 60,000 (Range 2)
Update Time:	Once per pulse
Speed Range:	60 - 60,000 RPM
Accuracy:	< 0.75%
Resolution	+/- 1.5 RPM (Range 1) +/- 15 RPM (Range 2)

**NOTE:** Only connect the two 0 volts together at the Power Supply. This is to prevent any voltage drop along the 0 volt conductor causing a DC offset on the Output.