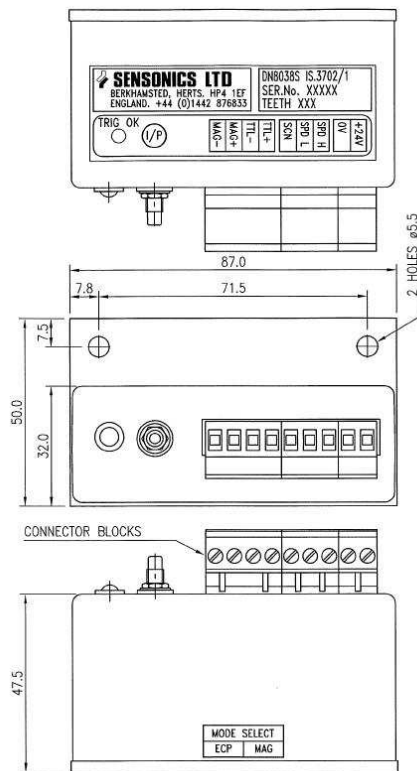


# DN 8038 Speed Transmitter



SENSONICS LTD



## Features

- Speed Proximity Driver
- Direct 4-20mA current loop output
- Trigger Lamp and TTL output
- Auto threshold control
- For use with 8mm diameter probes

The DN 8038 speed transmitter is designed to provide both a current output and TTL signal proportional to speed directly from a proximity probe driver. The unit operates in conjunction with Sensonics extended range of 8mm diameter proximity probes.

Instead of utilising rack based hardware the 8038 integrates the speed measurement with the proximity probe driver for direct connection to a PLC or DCS. The unit offers an auto threshold adjustment to cater for a wide range of target scenarios. The number of target slots per revolution is factory set during unit calibration.

Additional interfaces include a facility for magnetic / other probe inputs, selected via a manually operated switch, and a TTL speed output that can be utilised for a 1/REV signal. Valid triggering of the unit is indicated by a flashing green led indicator.

## Specification

Hi/Lo Output	4-20mA dc Current Loop Source
Accuracy	±1% of FS
Maximum Loop Resistance	500 Ohm
Frequency Response	1Hz to 10kHz
Target Sensitivity:	Minimum target area 80mm <sup>2</sup>
	Minimum Key (height) / Slot (depth) 0.5mm
	Target Material 4140 Steel or similar
	High >3.3V, Low <0.35V
TTL+ / TTL- Output:	10nF at 1.0kHz
TTL Max Drive Capacitance:	+16.0V – +28.0V dc
Power Supply Voltage Range:	<40mA
Current Consumption	-10°C to +60°C
Temperature Range:	250 grams
Weight:	

## Ordering Information

### DN8038

#### System cable

- 0 – Mag / Other probe
- 5 – 5m
- 7 – 7m
- 9 – 9m

#### Speed Range

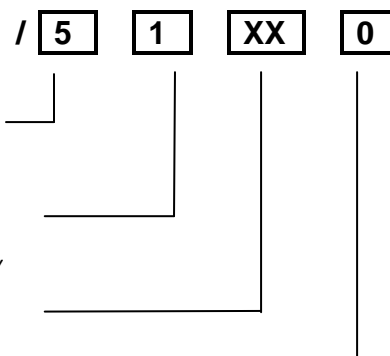
- 1 - 0 – 5000 rpm
- 2 - 0 – 10000 rpm
- 3 - Other, please specify

#### Number of Teeth / Slots

XX – please specify

#### Mounting

- 0 - std plate
- 1 - 35mm DIN rail



Note: This product is for use with Sensonics extended range (0-4.0mm) of 8mm diameter proximity probes and extension cables. Refer to datasheets:

- L157 - PRS04 8mm Str mt
- L159 - PRR04 8mm Rev mt