

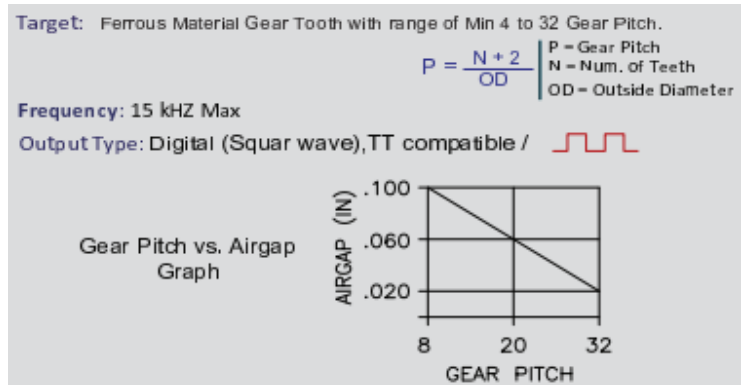
Document Number		RG_SPEC-0052	
Title		Differential Hall Effect Sensor	
Revision	Date	Prepared By	Change History
1	02/21/2017	Chris Moritz	Initial Release
2	05/30/2017	Chris Moritz	Torque Spec Added

Introduction

The M DHALL HS230 is a differential Hall Effect sensor. It outputs a 0-8V square wave and should be triggered on a ferrous tooth-it does not require a magnet. These sensors are suitable for either measuring wheel speed or as engine speed/synchronization sensors.

Specifications

Input Voltage	+4.5 to +24 VDC
Air Gap	0.030" to 0.060"
Speed Range	0-15 kHz
Output Signal	Open Collector NPN, 4.7KΩ pull up
Output Voltage	400mV to V _{in}
Output Current	20mA continuous
Operating Temp	-20°C to +140°C
Install Torque	11 to 15 ft-lb



Wiring Information

1	Drain	White/Black
2	0V	Black
3	SIG	White
4	8V	Red

