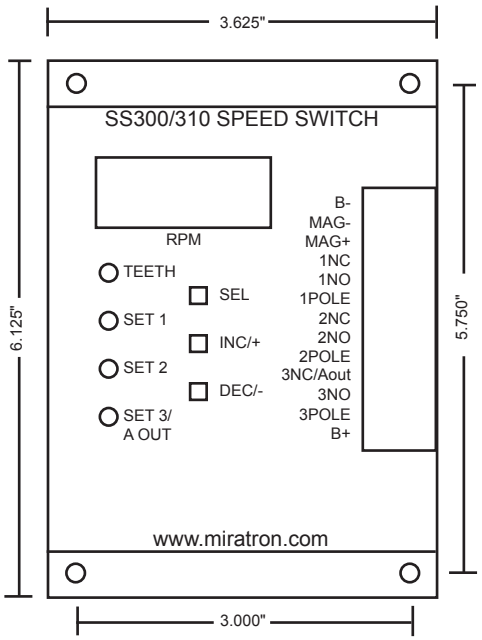
Installation and Setup Instructions
SS300/310 SPEED SWITCH



INSTALLATION

1. Mount the SS300 using screws provided.
2. Disconnect battery power before wiring.
3. Install wiring as shown in the drawing below.
4. Check all wiring.
5. Apply power to unit.
6. Proceed with SETUP.

SETUP

Press SEL button to select "TEETH" from menu. Use INC/+ and DEC/- until display reads the number of teeth on the sensor gear. *If number of teeth is unknown, set TEETH = 60 and use the following formula:*

SS300 RPM reading x 60 / Engine RPM = # of teeth.

Enter the new calculated value for TEETH setting.

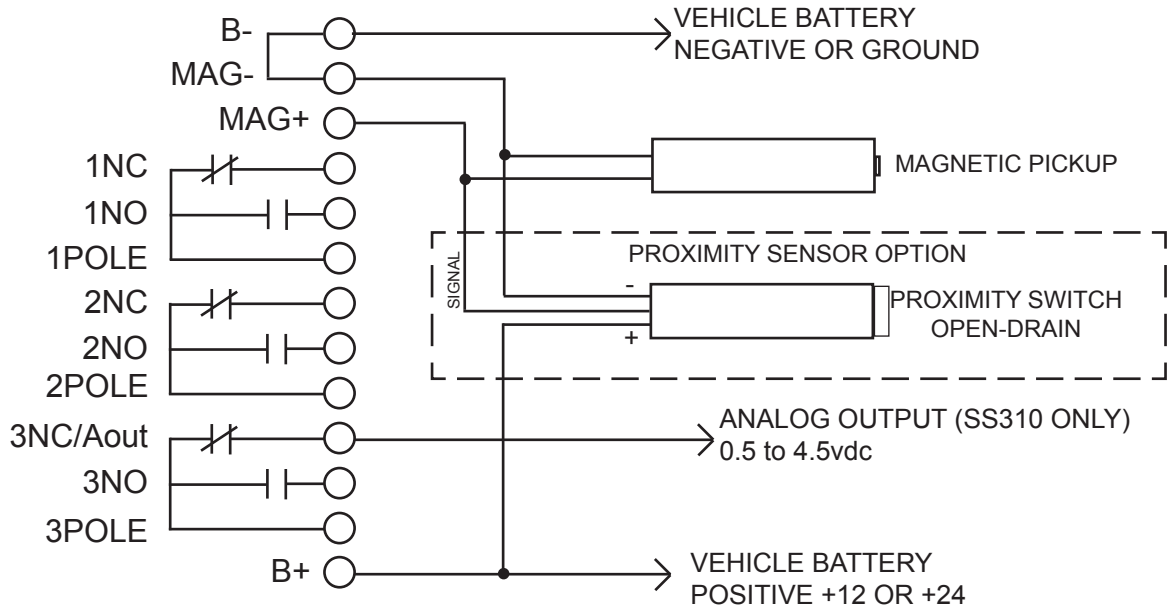
Press SEL button again to select "SET1" from menu. Use INC/+ and DEC/- until display reads the desired setpoint. Relay will be energized when RPM is at or above setpoint. Repeat to program SET2 and SET3.

SS310 ONLY: Press SEL button to select "SET3/A OUT" from menu. Use INC/+ and DEC/- until display reads the RPM which will produce the maximum analog output. Output will be minimum at 0 RPM.

To disable a setpoint relay, press and hold INC/+ until "OFF" appears on the display.

Display reads engine RPM when no menu item is selected.

WIRING



SPECIFICATIONS

General:	Power requirement	10-30Vdc, 250mA max.
Relay Outputs:	Contact arrangement Rating	3 x 1 FORM C (2 x 1 FORM C for SS310) 10 amps DC
Analog Output	SS310 ONLY	0.5 to 4.5vdc Scaled 0 to "SET3/A OUT" RPM setting
Sensor Input:	Type Frequency range	Magnetic pickup, 4-30Vpp AC Proximity switch, open drain 100 to 10,000Hz
Accuracy:		+/-2Hz. RPM Error = 2Hz x 60 / # TEETH
Adjustment:		Pushbutton menu interface
RPM setpoint range:		0 to 3,500 RPM
Display:		4-digit LED, RED
Dimensions/Mounting:		6.125" x 3.625" x 1.5" (4) #6 x 1" self-tapping screws (included)
Environmental:	Storage Operating	-40degC to 85degC -10degC to 60degC

Accuracy:	Teeth	Response Time	Accuracy
	1-10	1/2 Second	2Hz
	11-100	1/4 Second	4Hz
	101-200	1/16 Second	16Hz