INSTRUCTIONS

ENM Company's
New ENGINE MONITOR
PT 14 SERIES
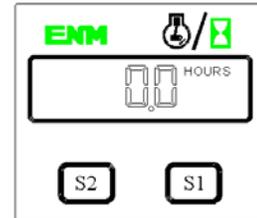
1 Introduction

The ENGINE MONITOR is a self powered LCD Hour meter, Tachometer and Maintenance Meter. An internal lithium battery furnishes the power for the monitor. A wire around the spark plug wire of the engine provides both a tachometer signal and an indicator that the engine is running. The maintenance meter is used to alert maintenance personnel that a time interval has expired and maintenance should be performed on the engine.

Before changing any settings to the ENGINE MONITOR, ensure that the engine is off.

2 Installation

Unpack and attach the unit to a location where it can be easily read. Uncoil the shielded wire and wrap 3 or 4 turns of the red wire around the engine's spark plug wire. The white wire must be attached to the engine's frame. The LCD will display the accumulated hours on the hour meter and a **HOURS** icon.

## 3 TO SET THE TACHOMETER (SPARK PLUG FIRING REVOULTION)

Press and hold the **S1** button for 4 seconds. The LCD will display **01**(spark plug fires twice per revolution), **02** (once per revolution), **03** (every other revolution), **04** (hours only, will not display RPM). Once you find your desired spark plug firing pattern, release the **S1** button. The LCD will blink for 8 to 10 seconds and return to total hour meter mode. The default for the standard model is **02** (once per revolution). This default can be changed during manufacturing.
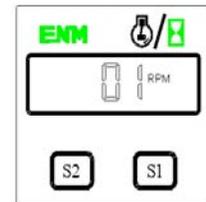
4 TO SET THE MAINTENANCE INTERVAL TIMER

Press and hold down the **S2** button for 4 seconds. The right most digit on the LCD will flash and the **SERVICE** icon will be displayed. Pressing and holding the **S1** button will cause the flashing digit to automatically increment. When the desired number has been reached release the **S1** button and press the **S2** button for 1 second to increment to the next digit. Repeat above steps until the service time interval has been entered. After 14 to 16 seconds with no buttons pressed, the LCD display will return to total hours mode.
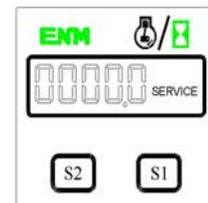
INSTRUCTIONS

5 ACTIVATING THE MAINTENANCE INTERVAL TIMER

Press and hold the **S1** and **S2** button simultaneously for 4 seconds. The two digits will increment to 20 seconds and then return to total hours mode. When the engine is running and the maintenance time has reached zero, the service icon will come on.
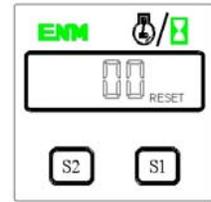
6 VIEWING MAINTENANCE INTERVAL

Press and hold the S2 button for 4 seconds to view remaining time of your maintenance interval. To continue current maintenance do nothing. If you would like to start a new maintenance interval, repeat steps 4 & 5 again. Each time you want to view the remaining time of your maintenance, press and hold S2.

7 RESETTING THE SERVICE ICON

Press and hold the **S1** and **S2** buttons for 20 seconds. The service icon will shut off. The maintenance time will automatically default to the number previously programmed.
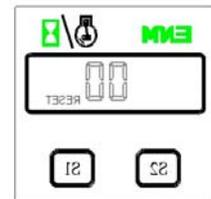
8 TO DISPLAY HOURS ONLY

Press and hold the **S1** button until **04** is displayed. Release the **S1** button and the display returns to total hours after 8 to 10 seconds. When the engine is running the display will show hours only, no RPM and the Hour Icon will blink.
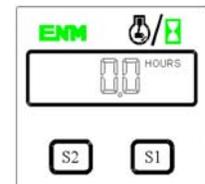
9 TO RESET TOTAL HOURS AND MAINTENANCE TIME

Press and hold the **S1** button until **05** is displayed. Release the **S1** button and after 8 seconds the display will return to total hours. Press and hold **S1** and **S2** simultaneously for 20 seconds and the meter will perform a total reset. The total reset option can be removed during manufacture.