

ENGINE HOURMETER & CONTROLLERS

Hourmeter & hourmeter controller (Part No. 4398 & 3150)

The **Muirhead®** Hourmeter & Hourmeter Controller has been specifically designed to record genuine working hours. It does this by monitoring engine revs as opposed to measuring time. During periods when the machine is idling, for example at lunch time or in periods of changing work shifts, the engine hourmeter will not operate, therefore recording only genuine machine working hours.

To enable universal applications, an input frequency signal from the machine's alternator to the hourmeter controller is used. Electrical wiring is used for signal transmission between the control unit and alternator. An adjustable potentiometer is incorporated in the control unit which allows the operator to adjust the RPM setting to suit their specific machine.

Hourmeter shutdown controller (Part No. 8566)

The **Muirhead®** Hourmeter Shutdown Controller is a unique product which features multiple functions. The system serves as an hourmeter controller, auxiliary output shutdown controller, idle down timer and extended idle shutdown controller all in the one system.

The system features the following capabilities:

HOURMETER CONTROL

- Activates an external hourmeter (not supplied) when engine is above idle.

AUXILIARY OUTPUT SHUTDOWN CONTROLLER

- Auxilliary output shutdown controller turns off all electrical loads such as worklights, air-conditioners and indicators after a period of time at idle.

IDLE DOWN TIMER

- When key is switched off, machine will idle for a pre-set period prior to the machine shutting down.

EXTENDED IDLE SHUTDOWN

- The system has a frequency sensor that is adjustable to gauge when the engine is sitting in an idle mode for extended periods of time.

SAFETY CONTROL

- Park brake interlock is incorporated so that machine can only shutdown if the park brake is applied.



The hourmeter operates when the engine is above 1000 RPM (adjustable) with an inbuilt 6 minute to 40 seconds timer to allow for small stoppages.

Part No. 4398 has an inbuilt hourmeter reader on the unit.

Part No. 4398 Hourmeter timer 24V



The hourmeter controller Part No. 3150 operates exactly the same as the hourmeter Part No. 4398 but has no inbuilt hourmeter reader.

Part No. 3150 Hourmeter controller timed 24V



The hourmeter shutdown controller Part No. 8566 has five unique features in one system:

- Hourmeter controller
- Auxiliary output shutdown controller
- Idle down timers
- Extended idle shutdown control
- Park brake safety interlock

Part No. 8566 Hourmeter shutdown controller 24V

Test Equipment is also available to make calibration easier

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