Purpose & Benefits
The Muirhead® Programmable Lubrication Controller (part no. 9252) is designed for flexibility and is used to automate the grease injection system on a machine.

The Programmable Lubrication Controller is capable of operating in many different modes to suit multiple lubrication systems available on the market. In the standard pump solenoid valve pressure switch arrangement, the system can be programmed so that the pump can act as a reciprocating pump where it requires a pulse circuit or it can just switch a pump on. The system provides the option to use a pressure switch. The pause and pump periods can be adjusted from 0.5 seconds to up to 24 hours. It can also be easily configured to act as a swap version where it activates a lube cycle on one bank for a period, then swaps over and operates a second bank with full pressure switch monitoring.

The system has many diagnostic capabilities and when connected to the custom software package, the complete system can be monitored.

Equipment Type
All heavy mobile equipment with lubrication systems fitted.

Target Customer
All operators of heavy mobile equipment.

Functionality
The Muirhead® Programmable Lubrication Controller has been designed with flexibility in mind.

The Controller will interface into an existing lubrication system or can be incorporated into a new grease system. The Controller is programmed to automatically activate the grease pump and it will also monitor the pressure switch to deactivate the pump. If no pressure switches are installed, the Panel can be programmed to deactivate the pump after a predetermined time.

There are a number of different modes, these include:
- Standard mode - designed to activate the pump at a predetermined Pause and Pump periods.
- Swap mode - designed to swap activation between to pumps.
- Reciprocating pump - designed to control the pump with a pulse output.
- Pressure or Timed mode - designed to control the grease pump either a predetermined time periods or on a pressure switch.

The Controller has been designed as an in-cabin mounted device. It incorporates a manual lube cycle switch, an internal alarm, low level detection, “functionality” and “diagnostic” LEDs.

All calibration and programming is performed by means of a user-friendly software program via a notebook computer. Programs can be saved and later loaded into a mass number of units if required or can be calibrated to suit all types and variations of machines.

Variations

<table>
<thead>
<tr>
<th>APT</th>
<th>Sonar</th>
<th>Manual Mode</th>
<th>Pressure Switch Input</th>
<th>LED Indicators</th>
<th>Programmable</th>
<th>Multiple Modes</th>
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</thead>
<tbody>
<tr>
<td>9252</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
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</tbody>
</table>
Key Features

- Pressure switch monitoring
- Pulse or continuous pump
- Adjustable pause and pump periods from 0.5 sec to 24 hrs
- Swap between banks
- Manual Pump Mode
- Grease low level indication
- Inbuilt diagnostics
- 12 or 24 volt machines
- Suits various lubrication systems
- Fully software configurable to suit all machine types
- One controller to suit all machines on site

Parts List

<table>
<thead>
<tr>
<th>PART #</th>
<th>DESCRIPTION</th>
<th>QTY</th>
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</thead>
<tbody>
<tr>
<td>9252</td>
<td>PROGRAMMABLE LUBE CONTROLLER</td>
<td>1</td>
</tr>
<tr>
<td>11199</td>
<td>PROGRAMMING KIT</td>
<td>OPTIONAL</td>
</tr>
<tr>
<td>12076</td>
<td>USB TO SERIAL DRIVERS KIT</td>
<td>OPTIONAL</td>
</tr>
<tr>
<td>6150</td>
<td>PRESSURE SWITCH ADJUSTABLE 900 TO 3000PSI</td>
<td>OPTIONAL</td>
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</tbody>
</table>

Quoting & Pricing

Programmable Lube Controller comes with full installation guide; all switches and programming kit are optional and can be purchased as required.

Additional Document

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Document Number/Title</th>
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<tbody>
<tr>
<td>1</td>
<td>Data Sheet</td>
<td>Please refer to manual</td>
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<tr>
<td>2</td>
<td>Product Manual</td>
<td>M0588</td>
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<tr>
<td>3</td>
<td>Brochure</td>
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