

# Muirhead Lubrication Controller



## Reliable lubrication control

The Muirhead programmable lubrication controller automates grease injection systems and supports various lubrication modes. It can function as a reciprocating pump using a pulse circuit or simply switch a pump on, with optional pressure switch integration. Pause and pump times are adjustable from 0.5 seconds to 24 hours. It can also alternate between two lube banks 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.

## Functionality

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.



Programmable lubrication controller  
for in cab use only  
3179 5150 40

## Adaptable with multiple operating modes

- **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/diagnostics LEDs.

All calibration and programming is performed by means of a user-friendly software program via a 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.



Controller lube VIMS  
for in cab use only  
3179 5150 41

Part number	Sonar	Manual mode	Pressure switch input	LED indicators	Programmable	Multiple modes
3179 5150 40	Y	Y	Y	Y	Y	Y
3179 5150 41	Y	Y	Y	Y	Y	Y

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## 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

Quantity supplied

		9252	12672
3179 5150 40	Programmable lube controller	1	-
3179 5150 41	Programmable lube controller on mount with VIMS loom interface	-	1
3179 5150 42*	Programming kit	-	-
3179 5150 43*	USB to serial adaptor kit	-	-

\*Related parts are not included in the kit and are sold separately.

## Installation

The Muirhead programmable lube controller comes with full installation guide; all switches and programming kit are optional and can be purchased as required.