Timely maintenance to improve equipment's life span and safety









Smart Service Monitor

The Muirhead® Smart Service Monitor is designed to monitor the work hours of equipment and components to alert the user if the equipment requires or is overdue for a service or component replacement. The Service Monitor can provide both visual and audio alarms to alert the operators.

Due to the extremely robust and intuitive in-built programming tool, the Service Monitor is capable of monitoring service hours of almost anything on your machine and can monitor multiple different types of inputs, including frequency, PWM, and digital or analogue VDC. If you can think of it and provide an input to the device, the Smart Service Monitor can keep tabs on that system for you.

- Combustion engine wear, or actual work hours as opposed to engine hours.
- Retarder/brake usage monitoring
- Drill rig lube pump, percussion hours and powerpack hours

In addition to the monitoring capabilities, the Smart Service Monitor has an internal real-time clock that allows the user to manually set personalised alarms via the on-board buttons for different times of the day.

It utilises Wi-Fi connectivity to allow anyone with a Wi-Fi-capable device e.g. smartphone, tablet PC, or laptop; to quickly and easily configure the device. This connection is also password-protected to prevent unwanted tampering by operators.

Reference: SBMH0820002

RCT
Head Office

Unit 1-5/511 Abernethy Rd
Kewdale WA 6105, Australia

sales@rct-global.com

Australia +61 8 9353 6577
Africa +27 83 292 4246
Canada +1 705 590 4001
Central Asia +7 910 411 1174
USA +1 801 938 9214
South America +56 22 4423 6600

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Features

- Multiple input monitoring
- Wide range supply input: 11 to 36 volts
- Visual indicators
- Audio alarm
- Real-time colour display
- Customisable digital or analogue inputs
- Up to eight inputs
- Environmentally sealed: IP65
- Compact and robust design
- Real time personalised alarms
- Easy configuration via the web interface
- Simple and easy to use

Specifications

Operating voltage	11-36V
Maximum current consumption (no outputs)	Input voltage and software dependant, absolute max @ 12 V, 116 mA
Inputs	Frequency inputs up to 50kHz
	PWM between 5-95%
	Digital/Analogue 0-35 VDC
Weight (controller only)	200g
Operating temperature	−20 ⍰ to +60 ⍰
Environmental rating	IP65

Parts

APN:	15195	SMART SERVICE MONITOR CONTROLLER
APN:	15936	SMART SERVICE MONITOR KIT
APN:	15966	LOOM GENERIC TO SUIT SMART SERVICE MONITOR 15195

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