

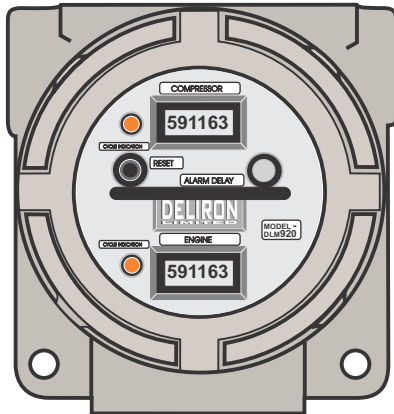


Digital Lubrication Monitor

Model DLM-920 - Part# 000190

Name: DLM-920 Literature
Revision: 1.0 | Revision Date: 17-OCT-2017
Created By: Ray Garcia
File Name: DLM920 LIT_COMPLETE_2017

MONITORS AND DISPLAYS OPERATION OF DIVIDER BLOCK LUBRICATION SYSTEMS



DLM-920

- **FAILSAFE-OPEN AND CLOSED MODES**
- **STANDARD DIGITAL READOUT**
- **EXTERNAL POWER: NOT REQUIRED**
- **TIMED SHUTDOWN PROTECTION PROGRAMMABLE ALARM TIME**
- **EXPLOSION-PROOF**

DC POWERED

The DLM-920 operates with two (2) "AA" regular or alkaline batteries which are easily replaceable. The low-cost batteries have a life expectancy of between 5 and 10 years depending on the cycle time of the divider block. The DLM-920 comes equipped with a "Low Battery Function". The Compressor Cycle Indicator light is the "Low Battery" light. After thirty (30) days of flashing the low battery warning, the DLM-920 will go into alarm state and cannot be reset until batteries are replaced.



Manufactured and Assembled in the USA by:
Whitlock Instrument
1300 N. Texas Ave
Odessa, Texas 79761 USA
(432) 337-3412 | www.noflo.com

SPECIFICATIONS

Material.....Aluminum
 Temperature Range.-40°F to +170° F
 Alarm/Shutdown...Programmable - 20 sec to 4 min 30 sec
 Alarm Power.....2 "AA" 1.5V Batteries
 Switch Rating.....2.5VA/120VAC/240 VDC
 Warranty.....2 Years
 Display/Strokes.....0-99999

ENCLOSURE RATINGS

FM Approved Instr Housing:
CLASS I, GROUPS B, C, D
CLASS II, GROUPS E, F, G
CLASS III TYPE 4X

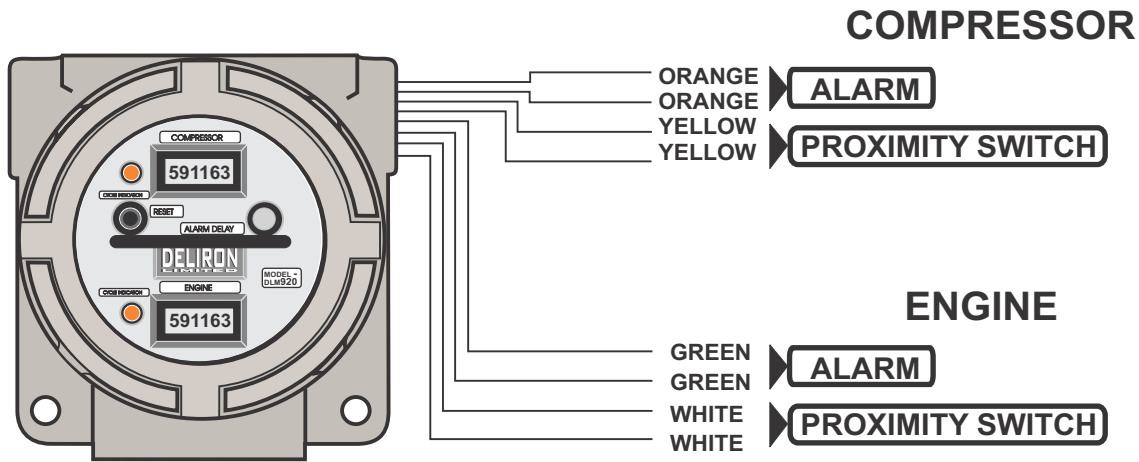
DESCRIPTION

The DLM-920 is a digital microprocessor control device specifically designed to protect gas compressors from damage due to loss of lubrication. Lubrication to the compressor flows through a divider block lubrication system forcing an internal piston to cycle back and forth. With the Proximity Switch, ordered separately, mounted to one of the divider blocks, this back and forth movement results in an ON/OFF state which the DLM-920 continuously analyzes. If no movement is detected, the DLM-920 will activate the alarm delay which is easily adjustable from 20 sec's. to 4 mins. 30 sec's. When the alarm delay expires, "shutdown" of the compressor will occur preventing any damage.

OPERATION

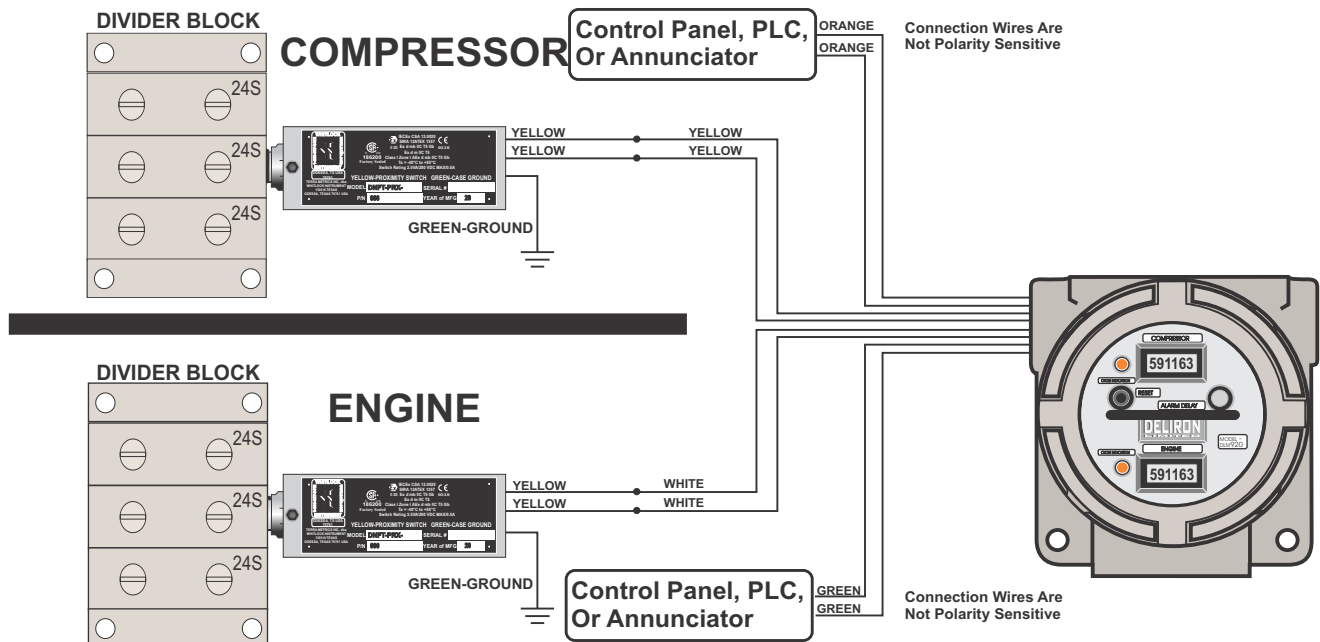
The DLM-920 alarm time can be viewed by pressing and holding the "Reset" button which will reset the "Cycle Indicator" to zero and flash the alarm time at one second intervals. To view changing the alarm time, simply hold the "Reset" button down and turn the potentiometer. Adjustment of the alarm time is possible without holding the "Reset" button down so that the counter does not reset to zero. The alarm time is not affected by temperature change. The DLM-920 is a bipolar device. It is not necessary to determine the polarity of the wires coming from the annunciator, PLC, or other types of shutdown controllers because the closed loop and open loop alarm circuits are bipolar.

WIRING INSTRUCTIONS



WIRING DIAGRAM FOR CLOSED LOOP "OR" OPEN LOOP OPERATION

Note: Unit is preset for closed loop operation.
 For open loop operation jumper on lower circuit board must be moved to open loop position.



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