

## Controlled lubrication with a 4.5VDC, 12VDC or 24VDC External Power Supply



The MEMOLUB<sup>®</sup> EPS is ideally suited to applications in which machinery is intermittently or infrequently used. It provides the control needed to insure proper lubrication during periods of operation while avoiding the problem of over lubrication.

An external 4.5VDC, 12VDC or 24VDC power source is connected to the 12 inch cable extending from the bottom of the MEMOLUB<sup>®</sup>. A battery pack is not required. Extension lead wires and connectors are available.

The MEMOLUB<sup>®</sup> EPS can be mounted directly on the bearing point or remote from the bearing using pipe or flexible tubing. It may also be used as a Multi-Point System lubricating from 2 to 12 lube points. The EPS is available in any of the three MEMOLUB<sup>®</sup> sizes.

### Control of the lubrication injection cycles occurs in one of two ways.

The MEMOLUB<sup>®</sup> EPS is periodically supplied with DC power by a PLC under program control. Lubrication output cycles of the MEMOLUB<sup>®</sup> can be based upon hours of machine operation, a count of machine cycles or any other desired criteria.

The MEMOLUB<sup>®</sup> EPS operates under its own **program control**. A constant 4.5VDC, 12VDC or 24VDC power is supplied during periods of machine operation. The MEMOLUB<sup>®</sup> program controls the frequency of lubricant output cycles.

#### Suggested activation configurations:

- A PLC or relay associated with the main power switch of the machine can be used to turn the MEMOLUB<sup>®</sup> lubricator on and off during machine operation.
- OR
- A manual switch can also be used to turn the MEMOLUB<sup>®</sup> lubricator on and off during machine operation.

### Specifications & Operating Characteristics:

#### Transformers: (see parts list)

High efficiency  
Overload/Over-Voltage protection  
Short-Circuit Protection  
Output Voltage: 4.5 VDC, 12VDC or 24VDC  
Output Current: 2 Amps peak / 1 Amp working  
Connectors & Extension Cables are available.

#### PLC Program Control:

White Timing Ring is used.  
Duration of PLC power pulse is 15 seconds  
Delay interval between pulses is 60 seconds  
Empty Cartridge - PLC program counter

#### Electrical Wiring:

Brown (+) / White (-)  
Wiring length between MEMOLUB<sup>®</sup> EPS and transformer:  
AWG 20 (Cross section 2 x 0.5mm<sup>2</sup>) - 16 feet (5 meters) or less  
AWG 18 (Cross section 2 x 1.0mm<sup>2</sup>) - 33 feet (10 meters)

#### MEMOLUB<sup>®</sup> Output Program:

The MEMOLUB<sup>®</sup> lubricator volumetric output will be determined by the standard settings in our Installation Instruction sheets. However due to intermittent cycle times, the frequency of output cycles is determined by the customer and therefore the cartridge change out time will need to be calculated or determined by visual inspection.



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