

## DATA SHEET

# MEMOLUB® EPC (External Power Control)

A full featured battery powered, self-contained automatic lubricator that provides external On/Off control

### General Description

The MEMOLUB® EPC is a reusable, battery powered, electro-mechanical lubricator designed to give you external On/Off control of the lubrication cycles. It's constant 350psi lubricant output pressure allows the unit to be direct mounted, remote mounted up to 40 feet away from the lube point, or coupled with a progressive distribution block to lubricate from 2 to 12 lube points. It is available in three capacity sizes 120cc, 240cc and 480cc. This model is great for synchronizing automatic lubrication with your intermittent or infrequently used machine.

### Operation

The MEMOLUB® EPC positive displacement pump has been primed before shipment and is ready for use. On first installation, all fittings, lube lines and bearings should be pre-charged with the same lubricant that was ordered with the lubricator.

The MEMOLUB® EPC is supplied with a 12" wire lead that is connected to an external switch, relay or PLC. When the external contacts are closed, the EPC unit will complete one lube cycle and then follow the preset MEMO output program. When the contacts are open, the EPC unit stops the lubrication cycles.

When the lubricant cartridge is empty, disconnect the lead wire from the external switch and unscrew the MEMOLUB® EPC lubricator from the MEMO fitting. Place the unit on a firm surface, outlet end down. Push down on the clear plastic housing while turning the black plastic locking ring counter-clockwise. The housing and spring assembly will separate from the pump base. Remove the empty cartridge and battery pack and replace with a new one.

We recommend using a quick disconnect plug between the 12" wire lead and the power supply for easy removal of the unit. Lead wire extension kits are available in 15 and 30 foot lengths and each are assembled with a quick screw connector for easy lubricant cartridge change-outs.

### Programming the EPC

The MEMOLUB® EPC daily lubricant output is programmed using the simple MEMO system. The Red, White and Black timing rings determine how often the lubricator will cycle. The seven basic time settings required to handle most applications are programmed by using one, two or all three colored timing rings. To fine tune the lubricant output, you can adjust the piston stroke by installing the spacer washers into the MEMO fitting yielding 52 output settings. Once set and installed, the program is retained in the MEMO fitting allowing the user to install a different MEMOLUB® EPC lubricator without having to reprogram the unit.



### Benefits

Reduce production downtime by lubricating your equipment while in operation

Improve safety by remote mounting the lubricator up to 40 feet from lube points in hazardous locations

Easily integrates with your current lubrication program

Reduce lubrication costs by utilizing "Minimal Lubrication Practices".

Reduce over lubrication with the External On/Off function

### Lubricator Part Number

MLEPC120 (120cc)

MLEPC240 (240cc)

MLEPC480 (480cc)



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MEMO System - Basic Frequency Settings						
Colored timing rings	Strokes per day	CC's per stroke	Daily Output in CC's	Model 120 Months to empty	Model 240 Months to empty	Model 480 Months to empty
<b>R</b> <b>W</b> <b>B</b>	24	0.63	15.1	N/A	0.5	1
<b>R</b> <b>W</b>	12	0.63	7.6	0.5	1	2
<b>R</b> <b>B</b>	4	0.63	2.5	1.5	3	6
<b>R</b>	2	0.63	1.3	3	6	12
<b>W</b> <b>B</b>	1.5	0.63	1	4	8	16
<b>W</b>	1	0.63	0.6	6	12	24
<b>B</b>	0.5*	0.63	0.3	12	24	N/A

\*Lubrication cycles every other day (48 hours)

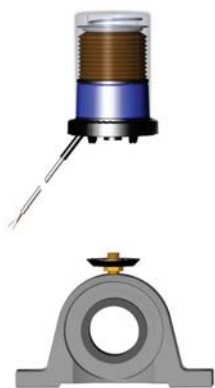
### Basic Frequency Settings

There are 7 basic frequency settings that are suitable for most industrial applications. They are programmed by installing one or a combination of the three colored timing rings into the ring holder attached to the brass fitting. When you screw the MEMOLUB® lubricator onto the brass fitting, the timing rings depress the switches on the bottom of the lubricator. This activates the lubricator program.

*Note: The "Months to Empty" is based on continuous use of the MEMOLUB® EPC lubricator. The lubricant cartridge will last longer with intermittent use.*

To Fine Tune your MEMOLUB® EPC please see the "MEMO SYSTEM" technical data sheet.

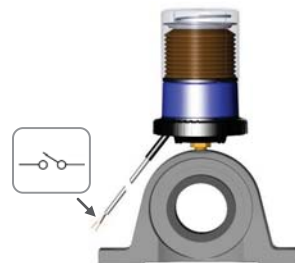
## Installation Instructions



Program the MEMO fitting and install it on the lube point.



Screw on the MEMOLUB® EPC lubricator on MEMO fitting.



Connect the cable to a switch, relay or PLC. When the switch is closed the EPC lubricator will cycle once and then follow the MEMO program. When the switch is opened the EPC will stop cycling until the switch is again closed.

Specifications	
Operation:	Electro-Mechanical, positive displacement pump
Lubricant cartridge capacity:	120cc, 240cc or 480cc (Replaceable)
Compatible lubricants:	Oil or Grease (to NLGI #2)
Connection thread:	1/4" NPT Male
Max operating pressure:	350psi (25 bar)
Temperature range:	5°F to 120°F (-15°C to 50°C)
Output timing settings:	52 Adjustable settings
Power supply:	4.5VDC Alkaline battery pack
External On/Off Control	Yes
Remote installation:	Up to 40 feet (12 meters), single-point*
Reusable:	Yes
Multi-Point compatible:	Yes
Warranty:	2 Year limited

\*Maximum lube line length is dependent on ambient temperature, grease type and application back pressure.

**Wiring Specifications**

**Relay:** The relay contacts should be gold plated. The type of relay is determined by the application.

**PLC:** The PLC contacts must be closed for a minimum of 15 seconds and there must be a minimum 60-second interval between output cycles.

Wiring length between MEMOLUB® EPC and Switch, Relay or PLC.

AWG 20 (Cross section 2 x 0.5mm<sup>2</sup>) - 16 feet ( 5 meters) or less



**Application Photo**



Mobile equipment application

**Accessories**



Wire Extension Kits

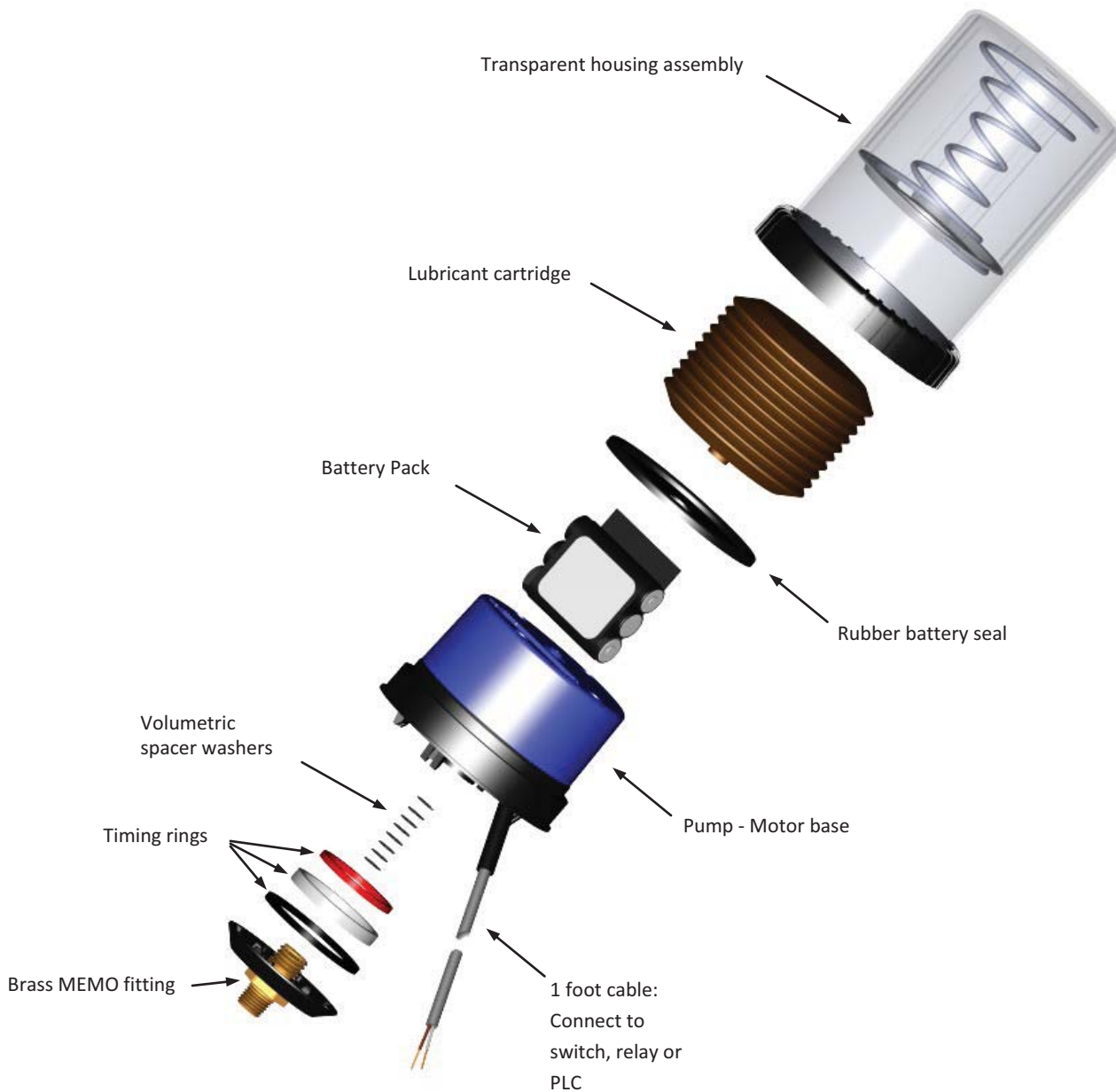


Protective Cover



Installation Kit

### Exploded View



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