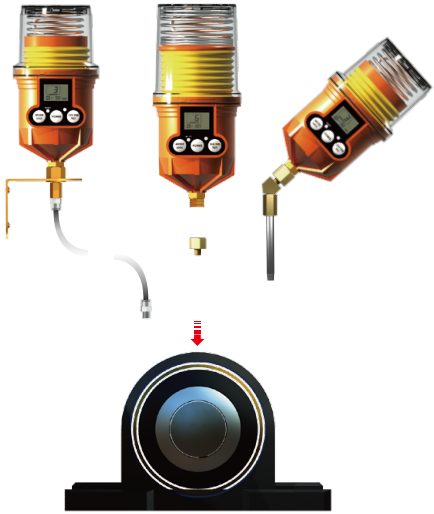


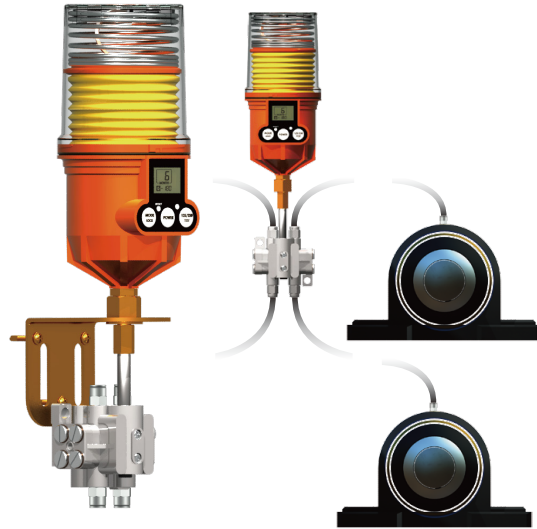
## Available Mounting Options

### Single Point Lubrication



**Direct Straight/Angle Mount** (with or without extension tube) is always preferable. However, for applications not allowing any direct mounts or extension mounts, remotely mount the unit using a 6mm O.D. (1/4") pre-filled lube line.

### Multi Point Lubrication Using Progressive Divider Block



Remote multi point lubrication is available with the Pulsarlube M using a divider block. It is recommended to test the back pressure of the bearing, lube lines, and divider block after assembly using a grease gun connected to a pressure gauge. Ensure the break-off pressure is below the average operating pressure of 30kgf/cm<sup>2</sup> (425psi).

**WARNING** Keep the maximum distance per lube point at 6m (20ft) or less.

### Installation parts for Multi Point Lubrication



## Shelf Life and Product Warranty

The shelf life of each Pulsarlube M unit is 1 year from the date of production. Product warranty is limited to original defects in material and workmanship and will not cover any collateral damage due to mishandling, abuse and/or any other inappropriate use of this product. Warranty period is 1 year from the date of purchase.

## How to Order

KLT125 / PL1  
KLT250 / PL1  
Grease Type  
Pulsarlube Model #  
(KLT125: 125cc, KLT250: 250cc)

# PULSARLUBE M

USER MANUAL

## High Performance Automatic Grease Lubricator

### Specifications

Specifications	Description
Grease Pouch	125 / 250cc (replaceable)
Operating Pressure	30~60kgf/cm <sup>2</sup> (425~850psi)
Operating Temperature	-15°C ~ 60°C (5°F ~ 140°F) -40°C ~ 60°C (-40°F ~ 140°F) * * with optional Lithium Battery Pack
Product Size	125cc: Ø91mm (3.6") × 183mm (7.2") 250cc: Ø91mm (3.6") × 210mm (8.2")
Weight	125cc: 860g (1.89 lb) 250cc: 1,050g (2.31 lb)
Available Dispensing Periods	Half (H), 1, 2, 3, 6 & 12 months
Installation Thread Size	3/8" Male BSPT
Multi Point	Up to 8 points
Remote Installation	Up to 6m (20ft) using a 6mm (1/4") O.D. pre-filled lube line

**NOTE** Technical information is subject to change without notice.

### Models

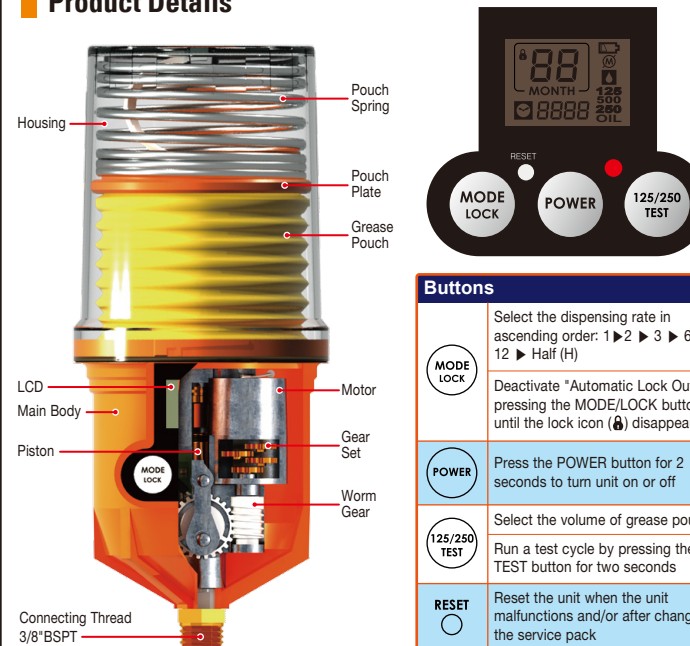
PULSARLUBE M 125/250cc Grease Lubricator

ISO9001/14001

### Before Use

Thank you for purchasing the Pulsarlube M, the electromechanical automatic grease lubricator from Pulsarlube USA, Inc. To ensure the safe operation and proper installation of the Pulsarlube M unit, we strongly recommend that you read the following information carefully before use. If you require further information, please contact your local supplier or manufacturer.

## Product Details



### LCD Display - Function

	The dispensing period setting
	The # of days remaining until the end of lube cycle
	The unit is in "Automatic Lock Out" mode
	Selected grease pouch capacity
	The test mode is activated
	The # of days after dispensing has completed
	The # of days on stand-by mode due to excessive backpressure
	Low battery power
	Excessive backpressure exists
	Empty grease level
	Signal lamp blinks periodically when battery power is low, excessive backpressure exists, or if grease level is empty

### Buttons

	Select the dispensing rate in ascending order: 1 ▶ 2 ▶ 3 ▶ 6 ▶ 12 ▶ Half (H) Deactivate "Automatic Lock Out" by pressing the MODE/LOCK button until the lock icon (🔒) disappears
	Press the POWER button for 2 seconds to turn unit on or off
	Select the volume of grease pouch Run a test cycle by pressing the TEST button for two seconds
	Reset the unit when the unit malfunctions and/or after changing the service pack

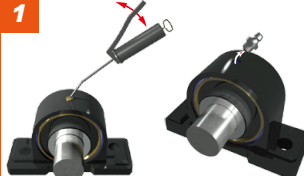


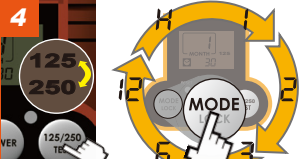

Pulsarlube USA, Inc.

4312 Di Paolo Center, Glenview, IL 60025, USA  
TEL: 1-847-795-0591 FAX: 1-847-795-0119

www.pulsarlube.com / info@pulsarlube.com

## Installation Instructions

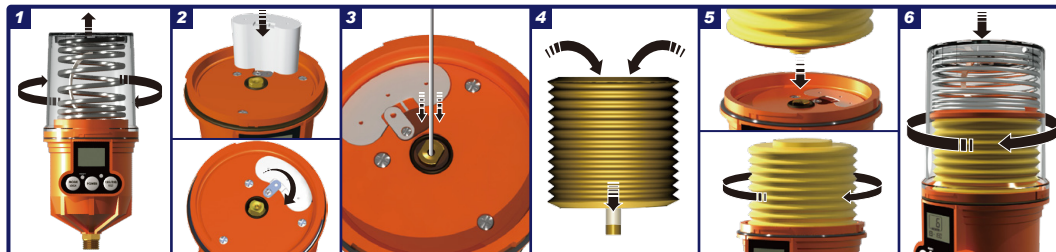
### For Completely Assembled Pulsarlube M unit - Initial Installation

	<p>Before installation of the Pulsarlube M unit, remove contaminants around the lube point and ensure a clear passage by purging the lube point with a manual grease gun.</p> <p>Remove the grease nipple and check for hardened grease at the bearing lube point. If hardened grease exists, clean the lube point before mounting the Pulsarlube M unit on the bearing.</p>
	<p>Turn the Pulsarlube M unit ON by pressing the POWER button for 2 seconds. To confirm that the LCD is turned on, make sure that the red LED blinks once as soon as the POWER button is depressed.</p>
	<p>Press the TEST button for 2 seconds to run a test cycle. The unit will start to dispense grease and operate continuously in purge / test mode. This process will last approximately 2 minutes to ensure every function of lubricator works properly.</p>
	<p>Select the appropriate grease pouch volume by pressing the 125/250/TEST button. Press the MODE button to program the dispensing period. Each time the MODE button is pressed, the dispensing period changes in ascending order: 1 ▶ 2 ▶ 3 ▶ 6 ▶ 12 ▶ H (H=Half month)</p>
	<p>Install the Pulsarlube M unit on the lube point using appropriate adapters and accessories as needed. Make sure that adapters and accessories are firmly tightened.</p> <p>The installation date and the scheduled date of lube cycle completion should be logged for maintenance purposes.</p>






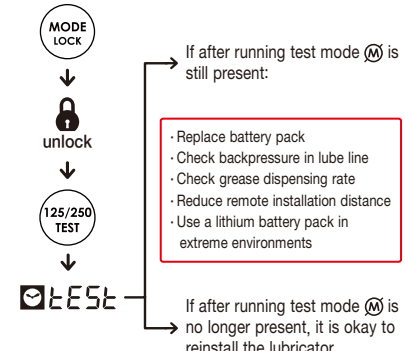


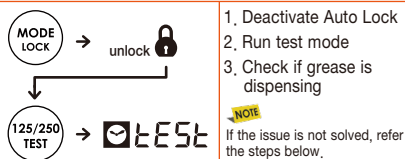
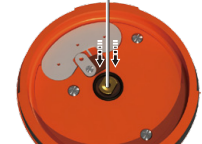
## Service Pack Installation

If the Pulsarlube M unit is provided with a replaceable service pack, the following procedure is required before step #2 of above. For complete service pack installation instruction, please refer to the Service Pack user manual, step #3-7 in the section of "How to Replace a Service Pack".

### Quick Reference for Service Pack Installation



## Troubleshooting Guideline

Symptom	LCD Display	Possible Cause of Trouble	Troubleshooting Steps
Unit Won't operate	Normal	<ul style="list-style-type: none"> <li>Electrical malfunction of CPU or circuitry</li> <li>Contact problem (open circuit) at buttons in control panel</li> </ul>	Contact your local supplier or manufacturer for either repair or replacement
	Blank Screen	<ul style="list-style-type: none"> <li>Electrical malfunction of CPU or circuitry</li> <li>Battery pack installed incorrectly</li> <li>Faulty or damaged battery pack</li> <li>Old battery pack was not replaced</li> </ul>	<ol style="list-style-type: none"> <li>Make sure the battery pack is installed correctly</li> <li>Replace battery pack</li> <li>Contact your local supplier or manufacturer for either repair or replacement</li> </ol>
Low Battery Indication		<ul style="list-style-type: none"> <li>Expired battery pack</li> <li>Extreme storage conditions (temperature or humidity)</li> <li>Faulty or damaged battery pack</li> <li>Extreme operating conditions</li> </ul>	<ol style="list-style-type: none"> <li>Ensure operating environment meets requirements</li> <li>Replace battery pack</li> </ol> <p><b>WARNING</b></p> <ul style="list-style-type: none"> <li>The battery pack <b>must be replaced together</b> with each grease pouch replacement</li> <li>Keep battery pack stored in a cool, dry place to prevent damage</li> </ul>
Unit Won't Dispense Grease	   	<p>Excessive backpressure exists due to:</p> <ul style="list-style-type: none"> <li>Over lubrication</li> <li>High backpressure in lube line due to hardened grease, ruptured lube line, long distance remote installation, etc.</li> <li>Low battery power due to extreme operating conditions</li> </ul>	 <p>If after running test mode  is still present:</p> <ul style="list-style-type: none"> <li>Replace battery pack</li> <li>Check backpressure in lube line</li> <li>Check grease dispensing rate</li> <li>Reduce remote installation distance</li> <li>Use a lithium battery pack in extreme environments</li> </ul> <p>If after running test mode  is no longer present, it is okay to reinstall the lubricator.</p>
	Normal	<ul style="list-style-type: none"> <li>Grease pouch incorrectly fitted</li> <li>Grease pouch empty</li> <li>Grease hardens due to cold temperature or high oil separation</li> </ul>	<ul style="list-style-type: none"> <li>Install and secure grease pouch correctly</li> <li>Replace grease pouch and battery pack</li> <li>Use appropriate quality grease for operating environment</li> </ul>
	Normal	<ul style="list-style-type: none"> <li>Pump priming issue due to inadvertently entrapped air pockets</li> </ul>	 <p>1. Deactivate Auto Lock 2. Run test mode 3. Check if grease is dispensing</p> <p><b>NOTE</b> If the issue is not solved, refer to the steps below.</p>  <ol style="list-style-type: none"> <li>Gently depress the check valve a few times with a thin Allen wrench, screwdriver, or similar tool</li> <li>Run test mode and check that grease is dispensing</li> </ol>