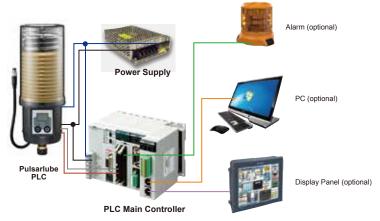
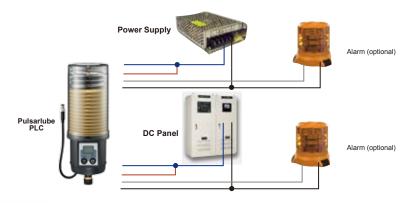
Connection Methods

Connection to PLC equipment (For both models, MONTH type & INTERVAL type)



Connection to External Power Supply (DC Adapter) (MONTH type only)









Please do not disassemble the part shown in the picture. It may result in serious damage or malfunction of lubricator. Warning The Pulsarlube PLC is not a battery-operated product.

Shelf Life and Product Warranty

The shelf life of the Pulsarlube PLC 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

* Must select between NPN and PNP types

PLC120 N-MON/PL1 PLC240 P-INT /PL1 - Grease Type - Signal (MONTH type / INTERVAL type) PLC Input/Output Types (N : NPN / P : PNP) Grease Capacity Pulsarlube Model

<u>බ) Pu</u>lsarlube USA, Inc.

1480 Howard Street, Elk Grove Village, IL 60007, USA TEL: 1-847-593-5300 FAX: 1-847-593-5303

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FULTARLUBE PLC **USER MANUAL**



PLC Controlled High Performance Automatic Grease Lubricator (MONTH / INTERVAL type)

Specifications

Specifications	Description
Grease Pouch	60,120,240,480ml
Operating Pressure	Avg. 30kgf/cm² (425psi) Max. 60kgf/cm² (850psi)
Power Supply	Power Supply: DC 9V ~ 36V max
Output Current	Max. 1A(1,000mA)
Operating Temperature	-20°C ~ +60°C* (-4°F ~ +140°F) *No battery needed
Available Dispensing Periods	MONTH TYPE: 1, 2, 310,11,12 Month INTERVAL TYPE: Mode 1, 26
Installation Thread Size	3/8" M PT
Installation Types	Single Point / Multi-Point
LCD	Backlit LCD

NOTE Technical information is subject to change without notice.

PRODUCT / PLC MODEL PULSARLUBE PLC AUTOMATIC LUBRICATOR

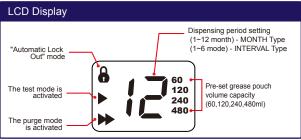
ISO9001/14001

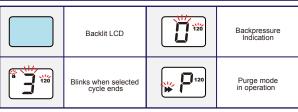
BEFORE USE

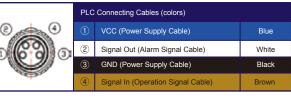
Thank you for purchasing the Pulsarlube PLC, the electromechanical automatic grease lubricator from Pulsarlube USA, Inc. To ensure the safe operation and proper installation of the Pulsarlube PLC unit, we strongly recommend that you read the following information carefully before use. If you require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

Product Details









Button & LCD Functions

All icons	Power	Mode Button press instructions Short press Press for 3 seconds Press for 5 seconds			Blinking	
6 120 120 240 480	ψ	©	0	0	0	31/2

(To be able to perform the functions below, please make sure that the lubricator's auto lock function is deactivated by pressing the MODE button for 3 seconds.)

Buttons	Functions		Programming Instructions	LCD Indications
(l)	Power ON/OFF		Power ON - Press for 3 seconds to power on. Power OFF – Press for 5 seconds to power off.	ON) 120 120 120 120 130 140 150 150 150 150 150 150 15
	Purge	Activate	Hold the button until 'P' appears on the screen.	6 continuous cycles
N	Mode	Stop	Short press of the button to stop.	Lubricator goes back to normal setting
Mode Setting		Setting	Short press of the MODE button to program the dispensing period. *1~12 month for MONTH type *Mode 1~6 for INTERVAL type	Operating
O	Unlock		Press until Lock icon ' disappears.	120 III → 1 20 Unlocked
Reset		set	After lock function has been deactivated, press the MODE button for 5 seconds.	Re-set to default setting
ወ	Bacl	klight	Press the MODE button while holding down the POWER button,	(The backlight will stay on for 5 seconds.)

Installation Instructions



Service Pack Installation

If the Pulsarlube PLC unit is provided with a replaceable Service Pack, the following procedure is required before step #2 of the above instructions. For complete Service Pack installation instructions, please refer to the Service Pack user manual, step #2-6 in the section of "How to Replace a Service Pack".



■ Troubleshooting Guidelines

1. Please take the following steps to troubleshoot a malfunctioning unit.

LCD Indications	Possible Causes	Troubleshooting Steps
8 60 120 240 480 Normal	If LCD displays improperly · Electrical malfunction of CPU · Possible contact problem (open circuit) with programming buttons on the lubricators' control panel.	Reset the unit. If technical difficulty continues, please contact your local supplier or manufacturer for further assistance.
Blank LCD	If unit displays a blank screen Possible electrical malfunction of CPU or circuitry	Inspect unit for tampering or water damage. If technical difficulty continues, please contact your local supplier or manufacturer for further assistance.

2. Please take the following steps if there is a grease dispensing failure.

LCD Indications	Possible Causes of Error Messages	Troubleshooting Steps
120	Extreme backpressure encountered. Check for causes of high backpressure such as Over lubrication Hardened grease at the lube point Kinked lube line Max lube line distance on remote installation exceeded, etc.	Remove the lubricator from the lube point. Press for 2 seconds Ensure that lubricator is dispensing properly. Reinstall the lubricator after resolving the cause of backpressure.
120	If the lubricator reaches the end of its lube cycle and there is lubricant still remaining in the grease pack Check for grease hardening within the grease pack or in the lube line. Check how long your unit has been in operation.	Remove grease pack from lubricator. Manually purge hardened grease out of grease pack then reinstall. If the lubricator is still not dispensing properly, replace used grease pack with new one. Lubricator may have reached its end of life cycle and may have to be replaced.
120	When the selected dispensing period ends,	Replace the empty grease pack with new one,

then reset the unit.

LCD backlight will activate and display will blink.