

3. Reference

3-1. Troubleshooting Guidelines

Malfunctioning unit

Normal		Possible Causes - Electrical malfunction of CPU - Possible contact problem (open circuit) with programming buttons on the lubricators' control panel	Troubleshooting Steps - Reset the unit. - If technical difficulty continues, please contact your local supplier or manufacturer for further assistance.
Malfunction		Possible electrical malfunction of CPU or circuitry	- Reset the unit. - If technical difficulty continues, please contact your local supplier or manufacturer for further assistance.

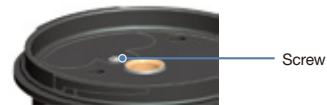
Dispensing failure

	Extreme backpressure caused by: - Kinked lube line - Long distance remote installation - Small inner diameter of lube line	 → (Activate Purge mode) - Ensure that lubricator is dispensing properly. - Reinstall the lubricator after resolving the cause of backpressure.
	If the lubricator reaches the end of its lube cycle and there is lubricant still remaining in the reservoir, check for: - Foreign material in the pump - Air pockets in the pump	If there is foreign material in the pump. Remove the foreign material using an air gun. If the pump has air pockets. Activate purge mode, then gently press down on the upper check valve using a 1.5mm pin 2-3 times to remove the air inside.
	When the selected dispensing period ends, LCD backlight will activate and display will blink.	Refill the reservoir with oil, change out the battery pack, then reset the unit.

3-2. Warnings



For oils below ISO VG 100, place the oiler below the lube point and curl the lube line a couple of times to avoid oil leaks caused by gravity.



Please do not disassemble the screw shown in the picture. It may result in serious damage or malfunction of lubricator. The Pulsarlube PLC-OL480 is not a battery-operated product. If you require further information please refer to the technical information on the website.



- 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.

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ISO9001/14001



Rev.03

Pulsarlube PLC-OL480

USER MANUAL

1. General Information

1-1. Product Description

Technical information is subject to change without notice.



Specifications

Specifications	Description
Oil Reservoir Capacity	480ml (Refillable)
Operation Pressure	10bar (145psi), dependent on oil viscosity
Power Supply	DC 9 ~ 36V
Output Current	Max. 1A (1,000mA)
Operation Temperature	-20°C ~ 60°C
Available Dispensing Periods	MONTH TYPE : 1 ~ 12 Month INTERVAL TYPE : 1 ~ 6 Mode
LCD	Backlit LCD



- To ensure the safe operation and proper installation of the Pulsarlube PLC-OL480 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.

1-2. LCD Display Description

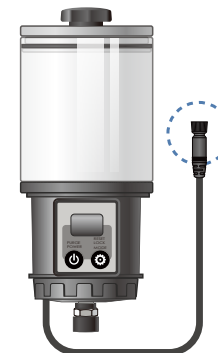
 Backlit LCD

 Extreme Backpressure Indication

 Blinks when selected lube cycle ends

 Purge mode in operation

Dispensing period
Automatic Lock Out Mode
Operating Status
Purging Status



1-3. PLC Connecting Cables (colors) (Body Cable View)

	Blue	GND (Power Supply Cable)
	White	Signal Out (Alarm Signal Cable)
	Black	VCC (Power Supply Cable)
	Brown	Signal In (Operation Signal Cable)

2. How to order

2-1. Ordering Guidelines

Signal Input Type	Dispensing Periods	PLC-OL480 Code
NPN	MONTH	PLC-OL480-□□□(□)
	INTERVAL	
PNP	MONTH	ex) PLC-OL480-INT(P) PNP-type PLC-OL-OL interval lubricators
	INTERVAL	

Dispensing Periods
(MONTH, INTERVAL)

PLC Type
(NPN,PNP)

PLC-OL480-MON(N)
NPN-type PLC-OL
monthly lubricators

2-2. Accessories for Oil Lubrication

Remote / Multi Point Installation Kits (Kit No.1250RO-1~4) and Brush kits (Kit No.C032~33, C044~47) are sold separately. Please refer to the Accessories page and Kit user manuals on the website.

2. Installation and Operation

2-1. Installation Guidelines

Remote Installation

Brush Kit Installation

Single Point Installation
Install appropriate accessories and brush kits.

Multi Point Installation using Multi Point Installation Kit
Install appropriate accessories and brush kits.

TIP. Use a filter when filling oil.

After installing the appropriate accessories for the selected installation method, remove the oil reservoir lid and fill the reservoir with oil to the 480ml level.

Turn the hand knob counter clockwise 1~2 turns before closing the lid to open the vent and relieve vacuum pressure.

- Mount the Pulsarlube PLC-OL480 unit in close proximity to the application to keep feed lines as short as possible.
- Accessories are sold separately.

2-2. LCD Display

PURGE POWER

RESET LOCK MODE

Automatic Lock Out mode

Operating Status

Purging Status

Dispensing period

Power/Purge Mode

Reset/Unlock/Mode Setting

2-3. Button & LCD Functions

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.

Power ON

Press for 3 seconds to power on.

(Month Type)

(Interval Type)

Power OFF

Press for 5 seconds to power off.

Purge Mode

Activate : Hold the button until (P) appears on the screen
Stop : Short press of the button to stop

Mode Setting

Short press of the MODE button to program the dispensing period.
· 1 ~ 12 month for MONTH type
· Mode 1 ~ 6 for INTERVAL type

Unlock

Press until Lock icon (Ⓐ) disappears.

Reset

After lock function has been deactivated, press the MODE button for 5 seconds.

Backlight

Press the MODE button while holding down the POWER button.