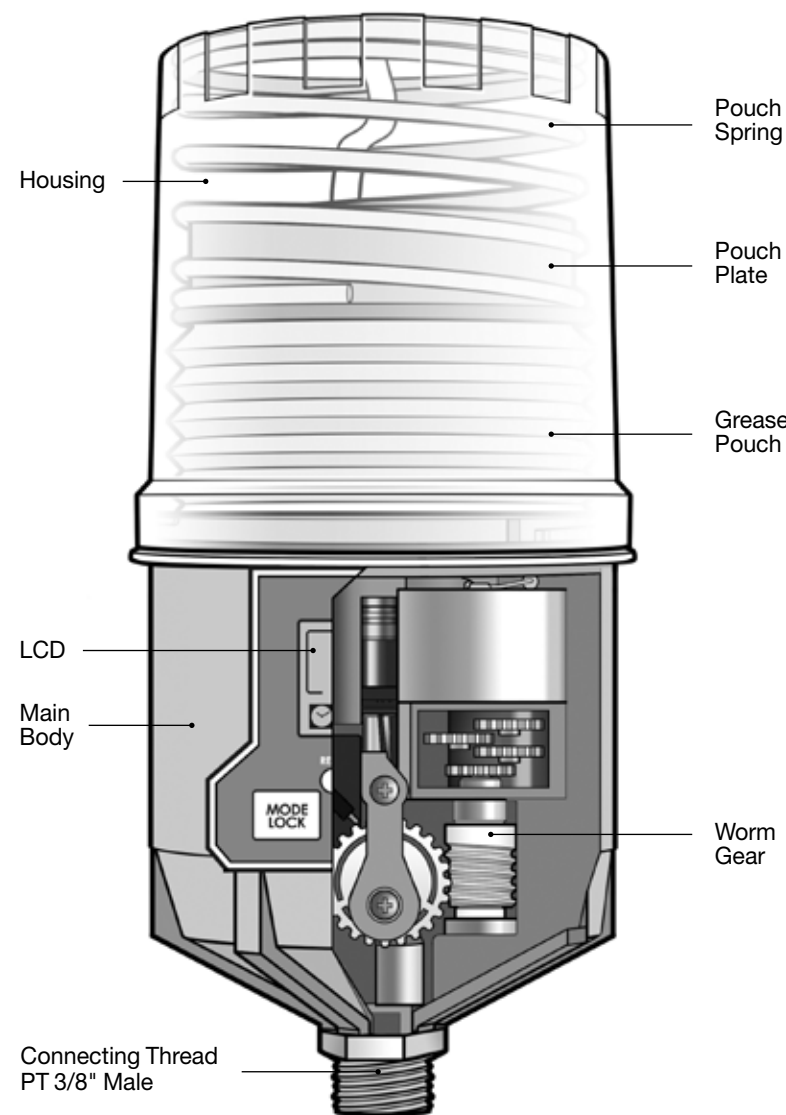
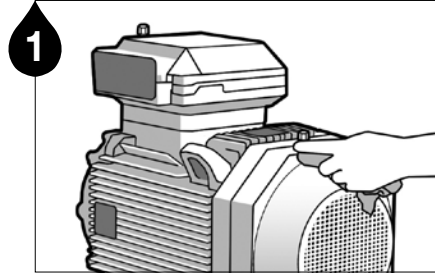


Product Details



Installation Guideline

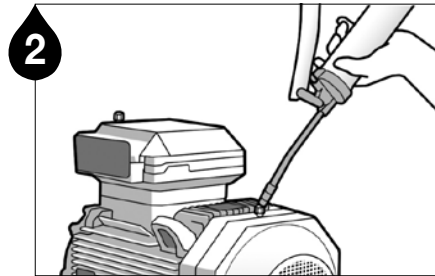
* All parts should be assembled tightly with PTFE tape.



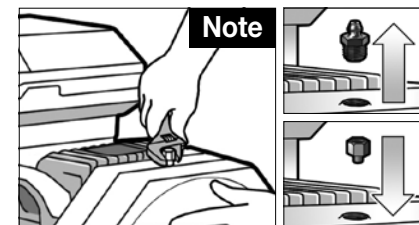
Remove contaminants around the lube point.



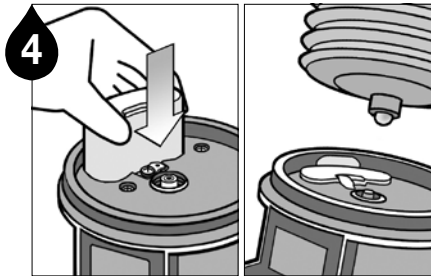
Check the grease pouch capacity and the service pack items (battery pack, grease pouch & dust cover).



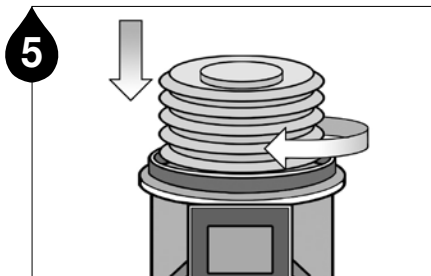
Ensure a clear passage using a manual grease gun. **Note1** Remove any hardened grease by purging the lube point with a manual grease gun. **Note2** The grease in the equipment and the grease contained in the unit should be the same or compatible.



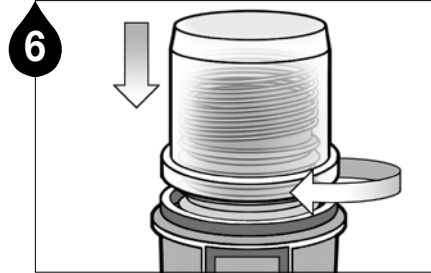
Remove the grease nipple and install appropriate adaptors.



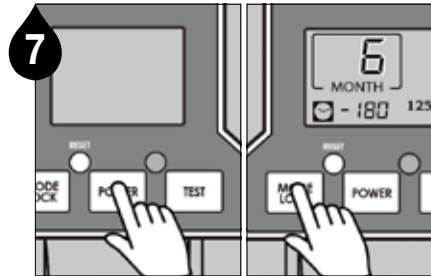
Insert battery pack and purge the grease pouch until grease comes out of the tip.



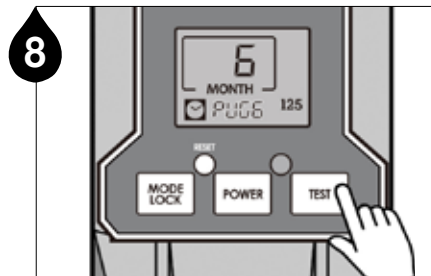
Carefully screw the grease pouch in by turning clockwise. Do not over tighten.



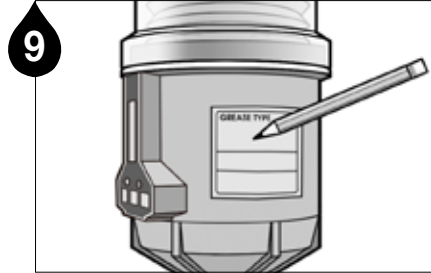
Refit the top housing on the unit and turn clockwise until it clicks.



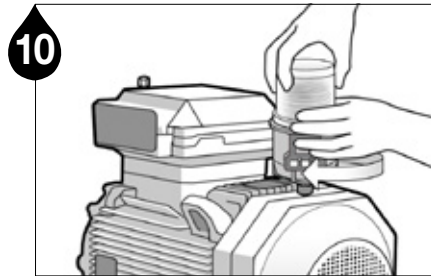
Press **POWER** button for 2 seconds to power on. Press **MODE** button to select dispensing period.



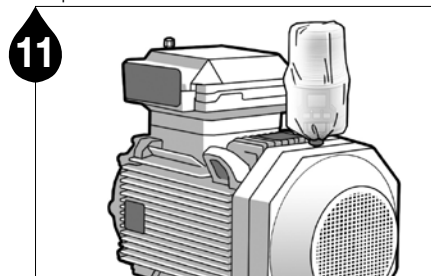
Press the **TEST** button for 2 seconds to run a test cycle and check for proper operation of the unit.



Note the installation date and the scheduled completion date of lube cycle on the lubricator using the label provided in the Service Pack for maintenance purposes.



Install the Pulsarlube M unit on the lube point. When the selected dispensing period has completed, replace the Service Pack following steps 3~6.



Install the dust cover over the lubricator for added protection.

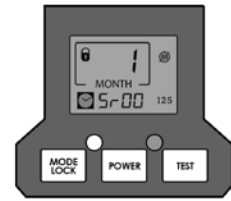
Troubleshooting Guideline

Sr00 (Sensor)

Error : Operation on hold due to non-detection of motor sensor

Possible Cause : Problem with the motor sensor

Solution : Contact your supplier

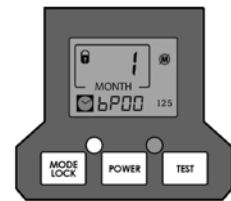


bP00 (Backpressure)

Error : Excessive backpressure indication

Possible Cause : Hardened grease obstructing lube point or kinked lube line

Solution : Purge grease into the lube point using a clean manual grease gun to eliminate possible hardened grease that may be causing an obstruction. This will alleviate excessive backpressure. Reduce lube line length if possible.

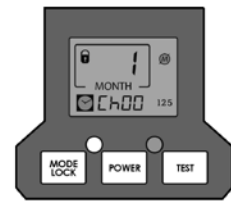


Ch00 (Check)

Error : Motor not responding

Possible Cause : Electric motor may not be able to activate due to possible electrical problem

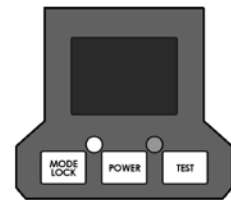
Solution : Contact your supplier



Error : Blank LCD screen

Possible Cause : CPU electrical malfunction or battery problem

Solution : Replace battery pack / Press reset button to restart the lubricator / Contact your supplier if problem persists



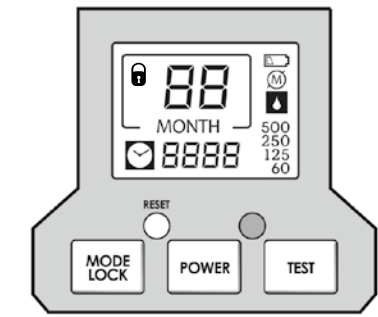
Button Operation

MODE LOCK
Dispensing Period
1~12 month
Automatic Lock Out Mode
Press for 2 seconds to unlock (🔒)

POWER
Power **ON/OFF**
Press for 2 seconds to power unit on or off

TEST
Purge Mode
ON : Press for 2 seconds
OFF : Short press of button
(will stop after completion of ongoing cycle)

RESET
Reset to default setting when the unit malfunctions and/or after changing the Service Pack



MODE LOCK + **TEST**
Backlight **ON/OFF**
Hold the Mode button and then press the Test button

LCD Display

🔒 6 MONTH
Dispensing period setting

📧 - 180
Remaining dispensing days

🔒
Automatic Lock Out mode

60/125 250/500
Grease pouch capacity

🔋
Low battery power

M
Operation of the lubricator has been interrupted (refer to Troubleshooting Guideline)

💧
Dispensing period has completed

📧 ch00
Number of days operation has been on hold due to motor error

📧 5r00
Number of days operation has been on hold due to motor sensor error

📧 bP00
Number of days operation has been on hold due to backpressure

📧 PUG6
Number of remaining purge cycles

📧 5t03
Number of days since dispensing period has completed (🔋 and 🔒 will also display)

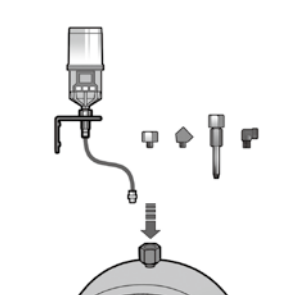
Red LED
LED blinks when battery is low, excessive backpressure exists, or dispensing period has completed

Green LED
LED blinks during normal operation

Certification

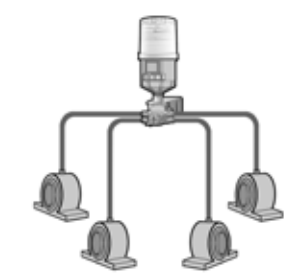
FC 2APJH-LK-BTR **KC** R-R-KLY-LKBT **CE** **RoHS** **REACH**
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Mounting Methods



Single Point Installation
Direct Mount or Remote Installation using Lube Line

Direct mount is always preferable. For applications not allowing a direct installation, remotely mount the unit using appropriate accessories and keep the distance from the lube point as short as possible.
For remote installation using a tube, use a Ø6 (1/4") tube pre-filled with the same or compatible grease as the grease contained in the unit.



Multi-Point Installation
Multi-Point Remote Installation using Progressive Divider Block (2~8 Points)

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 30bar (435psi).

⚠ Warning
► For remote installation, keep the maximum distance at 6m (20ft) or less.
► Do not plug any open ports on the divider block. The kit or divider block must be ordered with the appropriate number of points required. For more information on the divider block, please refer to the Multi-Point Remote Installation Manual.
► Use the lithium battery pack for specific applications such as : extremely cold temperatures, any multi-point or long distance single point (greater than 10ft.) for 500ml unit.

Shelf life and Product Warranty 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.

Rev.07

ISO9001/14001

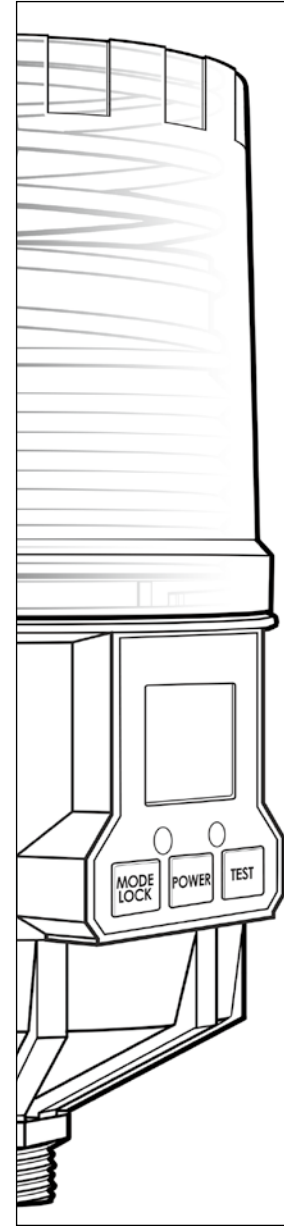
PULSARLUBE
The World Leader of Automatic Lubrication

FCC Caution
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
FCC Radiation Exposure Statement
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to correct the interference by one of the following measures:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

Specifications	Description	Note
Average Operating Pressure	30bar (435psi)	1. Product specifications may be subject to change for performance or quality improvement without notice.
Operating Temperature	Standard Alkaline Battery : -15°C~60°C (5°F~140°F) Optional Lithium Battery : -40°C~60°C (-40°F~140°F)	
Available Dispensing Periods	1~12 months	2. Please refer to the separate manual for further details regarding App/Web Program.
IP Code	IPX0	
Bluetooth Specification	BLE 5.1 (Class 2)	
App	Android 5.0 / iOS 7.0 or newer	
WAS	Explorer / Chrome	

Pulsarlube USA, Inc.
1170 Ardmore Ave Itasca IL 60143, USA
TEL:1-847-593-5300 FAX:1-847-593-5303 www.pulsarlube.com / info@pulsarlube.com



PULSARLUBE
User Manual
Pulsarlube
LK-BT(r)
Series
(60ml/125ml/250ml/500ml)



Pulsarlube LINK APP

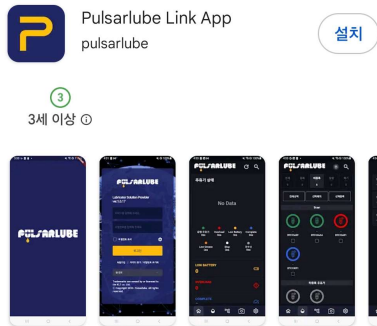
User Manual

PULSARLUBE LINK



1 Log in to LINK APP

1 Download the Pulsarlube LINK App

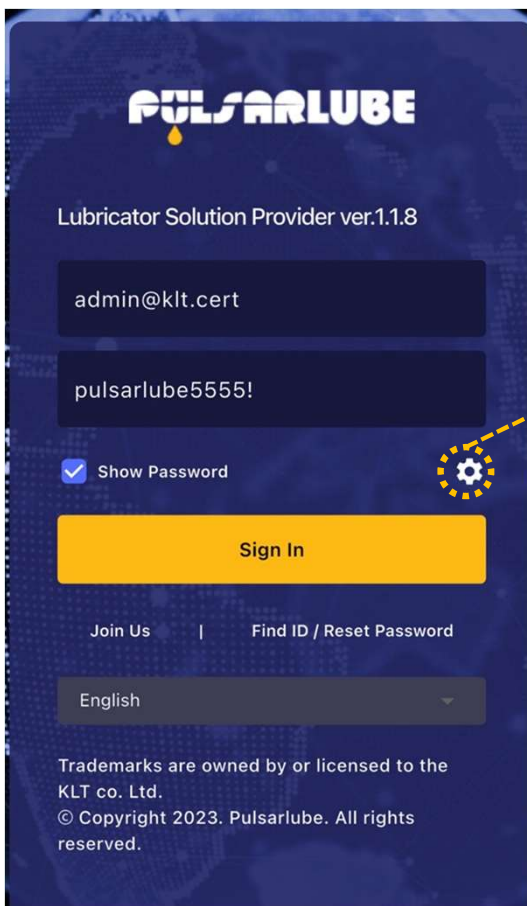


Apple App Store



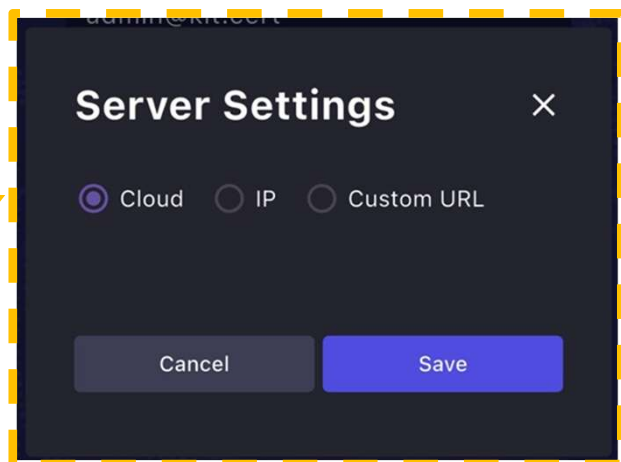
Android Google Play Store

2 Run Pulsarlube LINK and log in



STEP1

Click the icon to set up cloud settings



STEP2

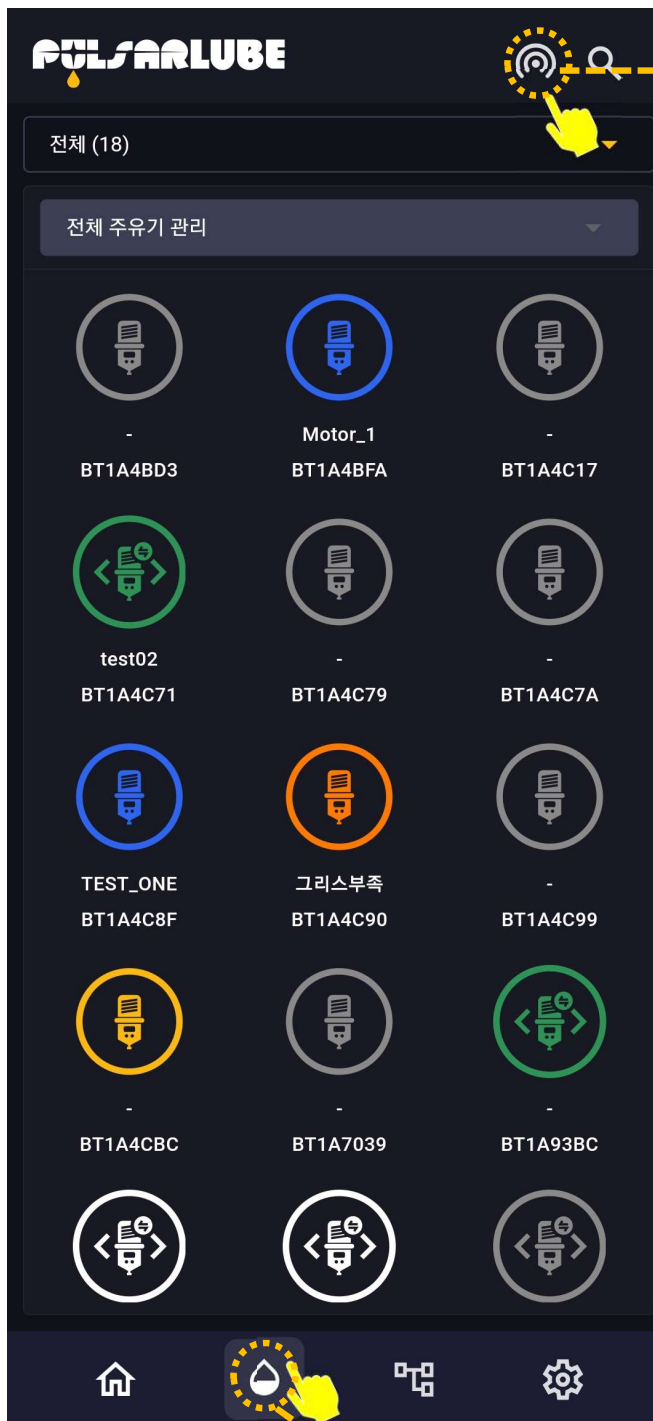
- ID: admin@klt.cert
- PW: pulsarlube5555!

2 Scan the Lubricator

NOTE

For smooth control and connection in the [Pulsarlube LINK App], follow these steps:
When launching the app, click the scan icon.
If you do not perform a scan, smooth control and connection may be difficult.

In the bottom menu, click  [Lubricator Management] and click Scan in the upper right corner.



SCAN

1. When you click the icon, it automatically counts down and scans and recognizes surrounding lubricators within the set scan time.

2. [Scan] Check and control the lubricator.



Lubricator Management

3 Lubricator icons and status

Status display

Color	Situation
	Normal
	STOP
	Complete
	Low Grease

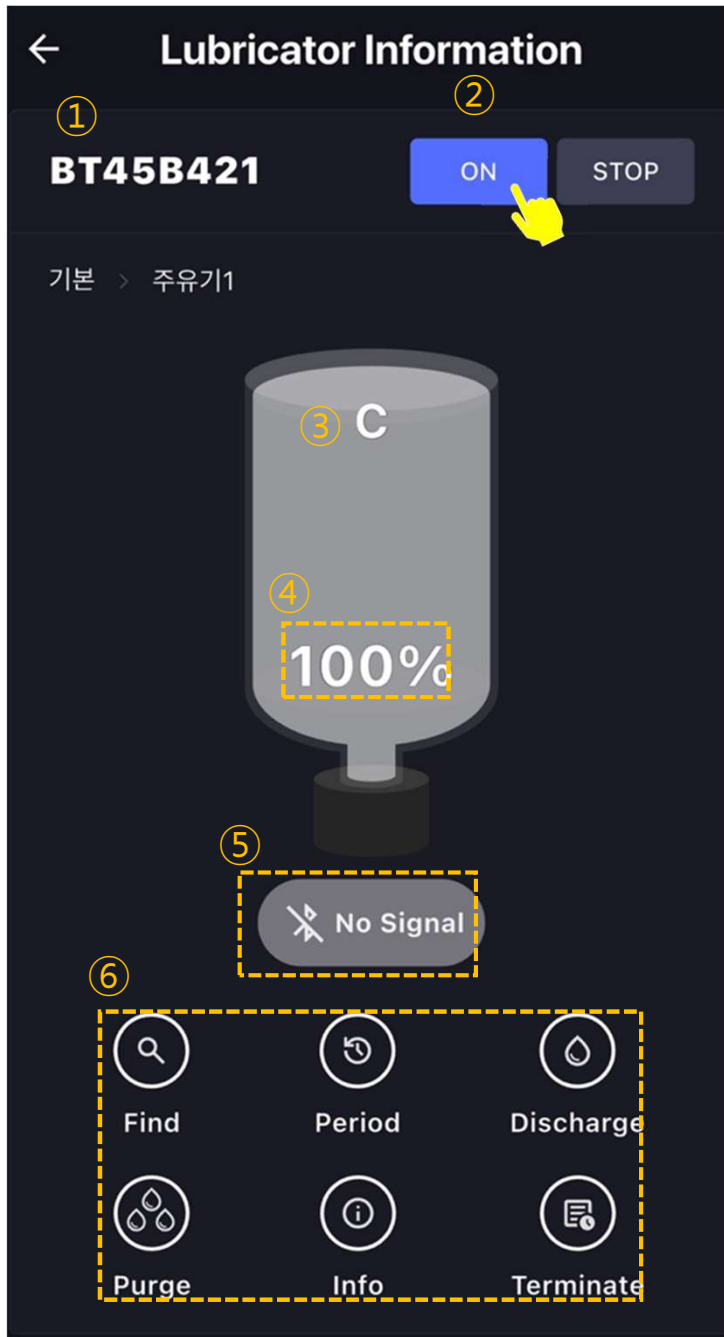
Alarm activation status display

Color	Situation
	Low Battery
	BPSM
	Not received

4 Management Function Description - Detailed Screen

NOTE

- Clicking the Lubricator icon will take you to [Lubricator Information].
- The Lubricator details screen allows you to view detailed information and control the device.



1 Mac ID paired with APP

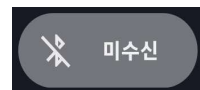
2 [ON]/[STOP]: Pause and unpause
*To activate a stopped fuel pump, change the setting to [ON].

3 Cycle Information
C: Command Mode
Number (1-12 months): Monthly Cycle Mode

4 capacity indicator

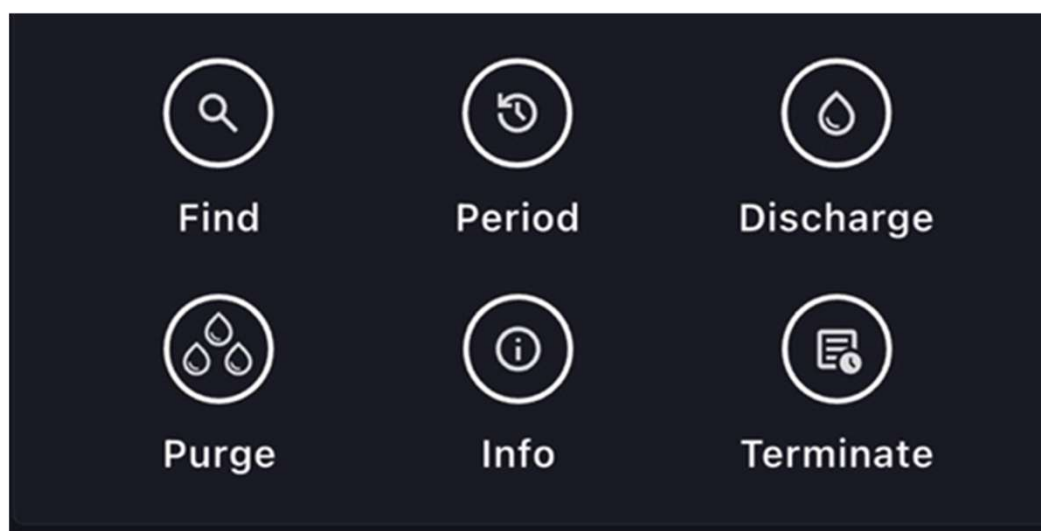
5 Bluetooth reception information
Reception status is displayed as a bar.

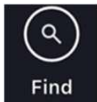
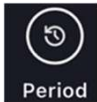
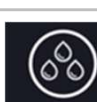
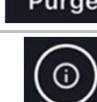
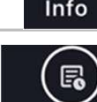
When controlling a lubricator, check the signal strength before controlling it. If the signal is not received, the lubricator will not be controlled.
*If the signal is not received, re-scan.



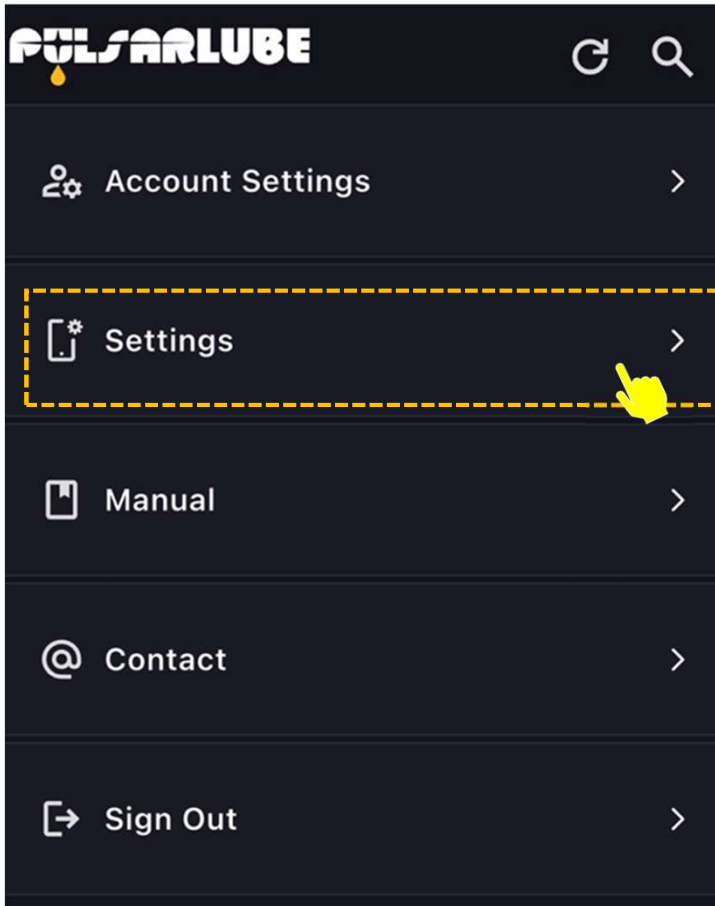
5 Lubricator Management Function Description - Detailed Screen

6 Control functions



 Find	When touched, the corresponding Lubricator LCD screen will flash.
 Period	C mode, change the number of months
 Discharge	Function for ejection in C mode.
 Purge	Action after BPSM state
 Info	Check detailed information. (Information can be edited through the LINK System.)
 Terminate	Deregister a lubricator from a group (select Unregister/Deregister). *Deregistering a lubricator will not be available (select Unsuitable & Discard).

6 Setting



2 Settings – Set scan time

- Set the scan time for the lubrication system on the mobile app.
- Adjust the scan time to suit your convenience.

STEP1

[Settings] - [App Settings]

STEP2

Use the drop-down menu to set the scan time from 10 to 60 seconds.

