

PULSARLUBE LINK

LK-B100/LK-B101 User Manual

1. Product Features

This gateway is a monitoring device that collects status of lubricators using Bluetooth.

LK-B100 is a device that gathers the data of lubricators which transmitted to the BLE and transfer to the central management device using Ethernet.

Current status can be determined when the LED indicator blinks.

With a check button, the cause of the defect can be found if the error occurs.

2. Product Specifications

Item	Spec
Ethernet	802.11 (10/100M) Network (LAN)
Bluetooth version	BLE 4.2
Bluetooth Frequency	2.402~2.480MHz
Indicator LED	Red, Green
ANT	External 2.4G ANT
KEY	On/off button, check button
Input voltage	4.0~6.0V This equipment must be supplied from a power source of less than 15W.
Input power connector	DC jack
Ethernet connector	RJ45 standard
BLE Tx power class	~10dBm
BLE Rx sensitivity	~93dBm
BLE data rate	~1Mbps
Operating current	~200mA
Operating temperature	-10~60°C
Operating humidity	20~90%
Storage humidity	10~90%
certification	KC, CE, FCC
Size	133mm X 100mm, T : 40mm
Weight	205g

3. Product Image



4. Installation Guidelines

A. How to enter setup mode

- ① Press power button to turn the device off.
- ② Press check button and power button to enter setup mode.
- ③ Check the setup mode : Red/Green LED blinks for 2 seconds by 200ms.

B. How to install

- ① Run the device setup application on your smartphone.
- ② Connect with the device ID searched from the application.
- ③ When the device is connected, the current status is sent to the application.
- ④ If setting information is changed from the application, it applies to the device.

C. Settings

- ① Lubricator data period
- ② Lubricator scan time

D. Exit setup mode

- ① Press power button to turn the device off.
- ② Press power button to turn the device on and to enter the operation mode.
- ③ Or send exit command from the setup application.

5. Installation Precautions

- (1) Installation precautions / Do not arbitrarily disassemble the device.
- (2) Do not attach materials that may interfere sources in electronic component, such as metals.
- (3) Do not change the shape (curve, disconnect) of the antenna.
- (4) No substitution with unstandard or similar products (antenna, power, POE, etc.)
- (5) Do not attempt to connect unsuitable outputs or inputs.

6. Certifications



7. Manufacturer



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FCC Instructions

FCC Compliance Statement

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.

FCC Interference Statement(Part 15.105)

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.

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.