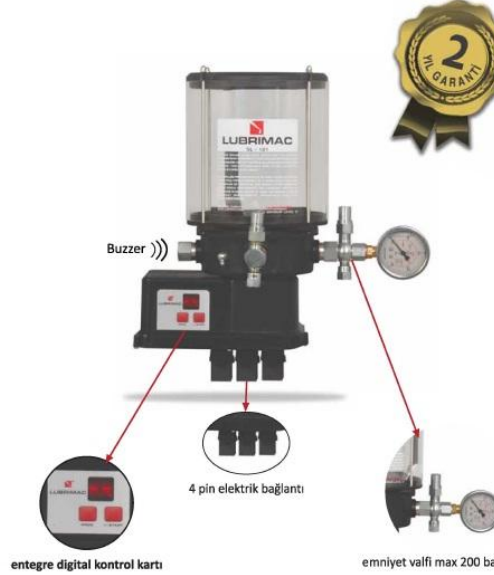## SL101 SERIES PUMP MODELS

SL101 pump elements ensure precise and consistent lubricant delivery during operation. Electrically operated SL101 Pumps are suitable to use with SAE 140 oil up to NLGI 2 grade grease.

SL1O1.D models : D models are the direct pumps that can be controlled externally by a separate controller or the own PLC of the machine.

SL101. EC models : Pump running time and pause time is controlled with in-built PCB, giving full customization for all applications. Pump running time can be adjusted between 1 - 99 min. ; pause time varies between 0 - 24 hrs and 0 - 59 min.

SL101.EC/AL models: In addition to the SL101.EC model pump functions, the distribution of the grease to the bearings are controlled through an inductive sensor fitted onto the distribution block so that the alarm activates on the depletion of lubricant in the reservoir or the clogging of distribution block. When the alarm activates, "AL" warning starts to flash on the digital display and audio warning alarm beeps at the same time. EC/AL model pump provide one block control. Alarm output connection is available to enable conveying alarm warning to a desired place.

SL101.EC/AL3 models : In addition to the SL101.EC/AL model pump functions, EC/AL3 models provide control over 3 blocks. The pump will alarm in the case that the grease runs out in the reservoir or a clogging occurs in the distribution block. In such cases the failed block is displayed on the digital indicator as A1, A2 or A3 and the buzzer activates automatically. Alarm outlet is available to enable conveying alarm warning to a desired place.

LUBRIMAC centralized lubrication systems

Buzzer)))

4 pin elektrik bağlantı

entegre digital kontrol kartı

emniyet valfi max 200 bar

SL101.EC/AL SERIES

PROGRAMMING INSTRUCTIONS

CONTROL PANEL OVERVIEW

"PROGRAM" button: starts programming process.

"+/START" button: used to perform a prelubrication or to switch to manual operation. It is also used to increase the numeric values during programming.

PROGRAM FUNCTIONS

P1. Determines the pump's running duration. The entered values are indicated in minutes. ie: When the P1 value is set to 2, the pump runs 2 minutes and then switches to pause mode each time it is operated.

P2. Determines the pump pause duration **in hours.** ie: When the P2 value is set to "0", the holding duration will be 0 hours.

P3. Determines the pump pause **duration in minutes.** ie: When the P3 value is set to "30", pump holding duration will be 30 minutes. The pump runs as the amount of duration set for running time (P1 value) and then switches to the next 30-minute pause interval.

AL. AL value is the alarm function in the sensor-controlled systems which activates the alarm in case of failures due to lubrication. AL value should be set to "A1" in EC/AL pump series and "A0" in EC pump series.

PL. PL refers to the number of signals that will be sent from the sensor fitted to the distribution block. Ex: When PL is set to 5, the pump will adjust its running duration according to the 5 signals transmitted from the distribution block. Following the 5 signals, the pump will switch to the holding mode.
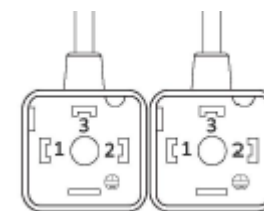
PROGRAMMING:

1. Press the PROGRAM button for 3 secs. "P1" will appear on the screen.
2. Press PROGRAM button.
3. Enter the desired lubrication duration in minutes using the +/START button. (2-3 mins may suffice)
4. Press the PROGRAM button. "P2" will appear on the screen.
5. Press PROGRAM button.
6. **Enter the pause duration in hours** using the +/START button. (if the pause duration is limited to minutes, enter "0")
7. Press PROGRAM button. "P3" will appear on the screen.
8. Press PROGRAM button.
9. **Enter the pause duration in minutes** using the +/START button.
10. Press PROGRAM button. "AL" will appear on the screen.
11. Press PROGRAM button.
12. Set AL to **"A1"** using the +/START button.
13. Press PROGRAM button. "PL" will appear on the screen.
14. Press PROGRAM button.
15. Set PL value using the +/START button. (i.e.: if PL value is set to 5, pump run until it received 5 cycle signals from the distribution block then stop for delay time)
16. Press PROGRAM button
17. Either "ON" or "OFF" function will appear on the screen. "ON" function refers to starting operation in running mode in the initial start-up (when the power comes to the pump). "OFF" function refers to starting operation with pause mode in the initial start-up. Function selection is done by using +/START button. ei: If it is intended to activate and run the pump in start-up, "ON" function should be selected. If it is intended to start the pump on pause mode, "OFF" function should be selected.

18. Press PROGRAM button. "PC" function will appear on the screen. ("PC" = Programming Completed)
19. Exit the programming screen by pressing the PROGRAM button one more time. If "ON" function has been selected, the pump will start running, if "OFF" function has been selected, the pump will activate after the pause duration is completed.
    Note: Additional lubrication can be performed when desired, simply by pressing "+/START" button.

ELECTRICAL SUPPLY: 12v/24vDC.
Please see the voltage label on the pump. The electric connection should be done as follows;

PIN1	12/24VDC +	PIN1	Prox. +
PIN2	12/24VDC -	PIN2	Prox. -
P3/¥	Alarm output	PIN3	Prox. sinyal