

### Why Lubrication controller is required ?

The **Lube controllers** are actually the electric power controller for the Automatic Lubrication System Pumps that can supply the precise quantity of lubricant to the lube points (or) a Frictional points of a machine. By controlling the power supply we can achieve the perfectly optimum lubrication with respect to the quantity and time which leads to the seamless operation of the machines.



LC -111



LC -110



LC - 108 D



LMT



LC - 109

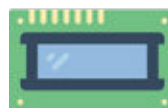
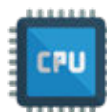
RIKKON GROUP OF COMPANIES

## LC - 108D CONTROLLER

The LUBER Controller LC-108 D comes with the data logging and mobile bluetooth connection feature. This controller can get the feedbacks upto 10 number from the sensors, Which helps in controlling the timer completely with the help of mobile itself. And with the data logging pc connection along with the real time helps in getting details about what is the error with in system.

### LC - 108 D controller specifications

- |                      |                     |
|----------------------|---------------------|
| 1. CPU               | 7. Relay Outputs    |
| 2. Power Regulator   | 8. Status Inputs    |
| 3. LCD Display       | 9. Navigation Keys  |
| 4. Bluetooth module  | 10. Buzzer          |
| 5. GSM / GPRS module | 11. Real Time clock |
| 6. Sensor Inputs     | 12. Log Memory      |



### Different Types Of Digital Sensor Input For LC - 108D

1. Proximity Sensor - 0 V / 24 V DC I/P.
2. Pressure Transmitter - 4 to 20 mA I/P.
3. Wheel Sensor - I/P.
4. Limit Switch I/P - 10 Nos.
5. Low Level Switch - Pulse I/P in stirrer model continuous I/P in Follower model Pumps.

### LC -108D Controller Details in short



SMS Notification for Errors upto 4 Phone Numbers Provided With Setup



Any fault Detected Buzzer gets Activated



Controller Logs can be viewed with both Android mobile & Windows PC / Laptops



LUBERR Android App for Controller Setup & Logging

## • LC- 110 LUBE CONTROLLER •



The **LUBE CONTROLLER 110** has a simple and neat interface that makes it easier for the power on time setting for the user and it has three operating keys for complete setup and it also has the simple display that indicated the system status and the LED indication lights provided the notification of power and fault. This controller has the data logging feature through PC.

Note: This model has the IP - 65 closure for water proof

## LC- 109 LUBE CONTROLLER



The **LUBE CONTROLLER 109** has a facility to view the current status of the pump with the display in it and also with the data logging feature of this system. Mostly this controller LED indicators helps the most in finding the informations about the system. In this LC-109 system the pumps operating time is provided using the control panel keys near the display.

## LMT



The **LUBERR MECHANICAL TIMER** is the simple operated controller with just a knob to set the time for pump power on duration. And the power on time can be set for about 5 min Maximum ( Time will be mentioned with seconds). This controller is made so simple & elegant just for timing control alone.

**Max of 5 min timing ,& Easy installation**



## LUBE CONTROLLERS Comparison chart

| Features                                     | LC-108D   | LC-111        | LC-110        | LC-109        | LMT                |
|--|-----------|---------------|---------------|---------------|--------------------|
| Display                                      | LCD Type  | LED 7 Segment | LED 7 Segment | LED 7 Segment | No Display         |
| Enclosure Protection                         | IP-65     | IP-65         | IP-65         | IP-65         | IP-65              |
| LED Indicators                               | Yes       | Yes           | Yes           | Yes           | No                 |
| Fault Indicator                              | Yes       | Yes           | Yes           | Yes           | No                 |
| Buzzer Alarm                                 | Yes       | NA            | NA            | No            | No                 |
| Bluetooth Connection using Application       | Yes       | Yes           | Yes           | No            | No                 |
| Data Logging with RTC                        | Yes       | Yes           | Yes           | No            | No                 |
| Relay Rating                                 | Max 20A   | Max 12A       | Max 12A       | Max 4A        | No                 |
| Operating VOLTage                            | 10-30 VDC | 10-30 VDC     | 10-30 VDC     | 10-30 VDC     | 12 / 24 VDC 230VAC |
| Number of Feedback Correction Possible       | 10        | 3             | 3             | 3             | No                 |
| Low Level Sensor Input 1                     | Yes       | Yes           | Yes           | No            | No                 |
| Proximity Sensor Input                       | Yes       | Yes           | Yes           | No            | No                 |
| GSM Connection For SMS Alerts                | Yes       | Yes           | No            | No            | No                 |
| Solenoid Output For Injection Mode Operation | Yes       | No            | No            | No            | No                 |
| PC Connection Using USB Port                 | Yes       | Yes           | Yes           | No            | No                 |
| ON time Range                                | 1-99 min  | 1-99 min      | 1-99 min      | 1-99 min      | 0-5 min            |
| OFF Time                                     | 0-99 min  | 0-99 min      | 0-99 min      | 0-99 min      | No                 |
| Wheel Sensor Input For Track LUBERR          | Yes       | No            | No            | No            | No                 |
| Pressure Transmitter I/P                     | Yes       | No            | No            | No            | No                 |



**Data Logging Feature with Windows PC**



**Data Logging & Timer control Feature with Android Application**

**contact us**



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