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

Press the MODE button to program the dispensing period.

Remove contaminants around the lube point.

Ensure a clear passage using a manual grease gun.

Note 1: Remove any hardened grease by purging the lube point with a manual grease gun.

Note 2: 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.

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

Install the Lubri-Cup EM-S/SP unit on the lube point. When the selected dispensing period has completed, replace the unit with the Service Pack according to step #3~7.

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

Select the appropriate grease pouch capacity by pressing the 125/250/TEST button.

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.

Insert battery pack.

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

Insert battery pack.

Install the dust cover over the lubricator for added protection.

Select the appropriate grease pouch capacity by pressing the 125/250/TEST button.

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.

Press the POWER button for 2 seconds to turn the unit on.

Ensure a clear passage using a manual grease gun.

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

Select the appropriate grease pouch capacity by pressing the 125/250/TEST button.

Press the POWER button for 2 seconds to turn the unit on.

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

Install the dust cover over the lubricator for added protection.

Installation/Disposal Guidelines

Product Details

Housing
Pouch Spring
Pouch Plate
Grease Pouch
Pump
LCD
Main Body
Connecting Thread (3/8" M BSPT)
Pouch Plate
Pouch Spring
Grease Pouch
Pump
Worm Gear
Connecting Thread (3/8" M BSPT)

Safety Instructions

Both units turn “On” or “Off” in synchronization with the equipment on which they are installed upon. They will dispense the preset amount of grease as long as the machine is operating. If the equipment is not operating, the EM-S unit goes into “stand-by mode” and does not dispense lubrication until the machine operates again. EM-S is powered by the internal battery which needs to be replaced with every service kit replacement. EM-SP is externally powered. The power supply adapter is connected to equipment power, controller, indicator lamps switches or PLC. There is no need to replace the internal battery, only the grease kit needs replacement.

Water and Moisture: The power supply should never be used in, or near water or any other chemicals due to the risk of fatal shocks.

Heat: Never locate the power supply near a heat source.

Hazard: Please place the power supply in a safe area.

Ventilation: Please maintain power supply in a well-ventilated area to avoid overheating.

Flammability: Keep power supply away from flammable and combustible chemicals.

Vibration: Keep power supply away from high vibration areas.

Service: The user should not attempt to service the power supply beyond what is described in the user’s manual. All other servicing should be referred to qualified personnel.

Note: The electronic models have an LCD display to show the actual status of the unit.
**System Connection**

<table>
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<tr>
<th>EM-S Equipment</th>
<th>EM-SP Equipment</th>
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<td>PLC Terminal</td>
<td>Relay Terminal</td>
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<tr>
<td>Main machine power control switch ON lamp terminal</td>
<td>Main machine power control switch ON lamp terminal</td>
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<tr>
<td>MC (Magnet Coil) Terminal of main machine power source</td>
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<tr>
<td>Relay Terminal</td>
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<tr>
<td>DC Converter</td>
<td>DC Converter</td>
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<tr>
<td>DC 12 ~ 24 volt output terminal</td>
<td>DC 12 ~ 24 volt output terminal</td>
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<tr>
<td>Voltage Input DC/DC 12V-24V</td>
<td>Voltage Input AC/DC 100 - 220V, 50-60Hz</td>
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<tr>
<td>Voltage Input AC/DC 100 - 220V, 50-60Hz</td>
<td>Voltage Input DC/DC 12V-24V</td>
</tr>
<tr>
<td>4</td>
<td>3</td>
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</tbody>
</table>

**Wiring Options (see diagrams below)**

**AC Adapter**
- EM-S Relay Box Wiring Options
- Main machine power control switch ON lamp terminal
- PLC Terminal
- Relay Terminal
- DC Converter
- DC 12 ~ 24 volt output terminal
- Other terminal check polarity of DC converter wires

**EM-SP Equipment**
- Electric Motor
- Automatic Lubricator
- EM-S series
- VC 100-480V

**Notes:**
- It is not necessary to check for wire polarity (+) and (-) for the Relay Box (EM-S) or AC (EM-SP) power source. For DC powered units, please connect in corresponding polarity (+) to (+) and (-) to (-). The light blue color wire is (+) and the brown wire is (-).
- Hold the "POWER" button for a couple seconds to turn the lubricator on and program lubricator by pressing the "MODE" button.
- Please make sure that red LED blinks once while turning the power on.

**Installation & Time Control Programming**

1. Install the unit in a convenient location for easy access.
2. Direct or remote mount the EM-S or EM-SP unit to the equipment as you would a Lubri-Cup EM unit.
3. Connect the main end of the Relay Box (EM-S) or Power supply (EM-SP) to the female end coming from the main body of EM unit.
4. EM-SP Only: Select voltage of power supply needed for your application. i.e. AC, DC: Connect the power supply to machine's control box, junction box or power cable. (see wiring diagram on left of this page)
5. The EM-S/SP unit will go into stand-by mode 6 to 7 seconds after the equipment has been turned off.
6. The EM-S/SP unit can go into "Stand by Mode" when the equipment is idle or shut down.
7. The EM-S/SP unit can go into "Stand by Mode" when the equipment is idle or shut down.
8. The EM-S or SP unit can be programmed by the month 1 Month, the # “1” (month) will start blinking and “-30” (days) will be displayed on the LCD. (2/60 days, 3/90 days) etc.
9. Please make sure that red LED blinks once while turning the power on.
10. The EM-S or SP unit can be programmed by the month 1 Month, the # “1” (month) will start blinking and “-30” (days) will be displayed on the LCD. (2/60 days, 3/90 days) etc.
11. The EM-S/SP unit can go into "Stand by Mode" when the equipment is idle or shut down.
12. The EM-S/SP unit can go into "Stand by Mode" when the equipment is idle or shut down.
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14. Please make sure that red LED blinks once while turning the power on.

**Time Control Programming**

1. The EM-S or SP unit can be programmed by the month 1 Month, the # "1" (month) will start blinking and “-30” (days) will be displayed on the LCD. (2/60 days, 3/90 days) etc.
2. Please make sure that red LED blinks once while turning the power on.