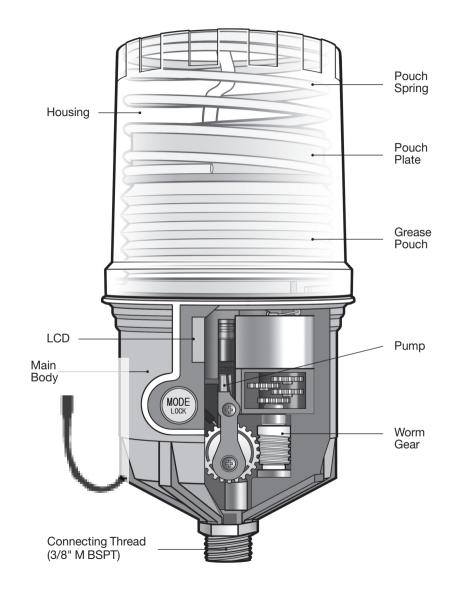
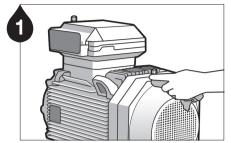
Product Details



Installation/Disposal Guidelines



Remove contaminants around the lube point.

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

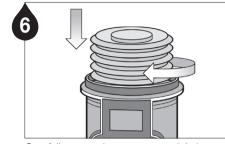
Remove the grease nipple and install

appropriate adaptors.

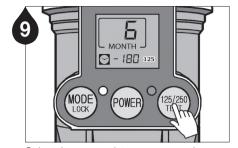
contained in the unit should be the same or compatible.



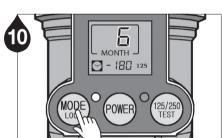
Check the grease pouch capacity and the service pack items (battery pack, grease pouch & dust cover).



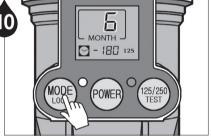
Carefully screw the grease pouch in by turning clockwise. Do not over tighten.



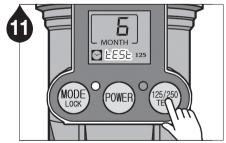
Select the appropriate grease pouch capacity by pressing the 125/250/TEST



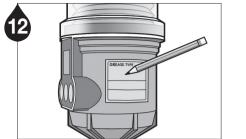
dispensing period.



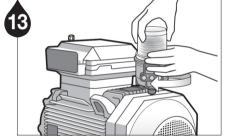
Press the MODE button to program the



Press the TEST button for 2 seconds



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 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.



Install the dust cover over the lubricator for added protection.

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

Safety Instructions

needs replacement.

Lubri-Cup EM-S & EM-SP

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

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

the internal battery, only the grease kit

Heat: Never locate the power supply near a

Hazard: Please place the power supply in a

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.

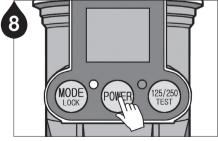
Service: The user should not attempt to service the power supply beyond what is described in the user's manual.

All other servicing should be referred to qualified personnel.



Insert battery pack.

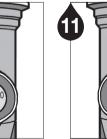
Purge the grease pouch until grease comes out of the tip.



Refit the top housing on the unit and turn

clockwise until it clicks.

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



to run a test cycle and check for proper operation of the unit.

LCD Functions



Selecting the dispensing period

Deactivate 'Automatic Lock Out' mode by pressing the button for 2~3 seconds



Power ON/OFF **POWER** Press the button for 2 seconds to

turn unit **on** or **off**



For 125ml/250ml unit

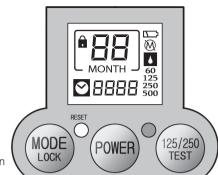
A) Press the button to select 125ml or 250ml capacity B) Hold the button for 2 seconds to run a test cycle

*A quick press of the button will stop the test cycle mode



For 500ml unit

Press the button for 2 seconds to run a test cycle



Reset the unit when the unit malfunctions and/or after changing the Service Pack

LCD Displays



The dispensing period setting



The # of days remaining until the end of lube cycle



The unit is in "Automatic Lock Out" mode

Selected grease pouch capacity (default setting: 125ml)

Grease capacity

PF51 The test mode is activated

The # of days after dispensing has completed \(\sigma\)

The # of days after the unit has Stopped dispensing due to excessive backpressure



Low battery power



Excessive backpressure indication



Empty grease level



Signal lamp blinks periodically when battery power is low, excessive backpressure exists. or if grease level is empty

ISO9001/14001 (€

System Connection

M-S Equipment			
	Automatic Lubricator	EM-S series	
	Relay Box	VC 100-480V	
		Connect wiring to main	
	Electric Motor	machine power	

	EM-	EM-SP Equipment		
	1	Automatic Lubricator	EM-SP series	
ĺ	2	Power Supply	AC, DC	
	3		Connect wiring to	
	4	Electric Motor	equipments power	
ı			supply	
	5	Voltage Input AC/DC 100 - 220V, 50-60Hz		
	Voltage Input DC/DC 12V-24V			

Wiring Options (see diagrams below) AC Adapter

- MC (Magnet Coil) Terminal of main machine power source
- Main machine power control switch ON lamp terminal which is on control panel case front
- Relay Terminal
- PLC Terminal

DC Converter

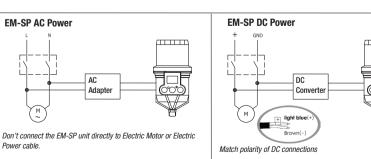
- DC 12 ~ 24 volt output terminal
- Other terminal check polarity of DC converter wires

Note: The EM-SP Power Supply was designed specifically for the Lubri-Cup™ EM-SP unit. Product warranty will be null and void if any other type of unspecified adapter or converter is used.



EM-S Relay Box Wiring Options

Relay Box can be connected directly to the power cable (EM-S Only)



Installation & Time Control Programming

Installation

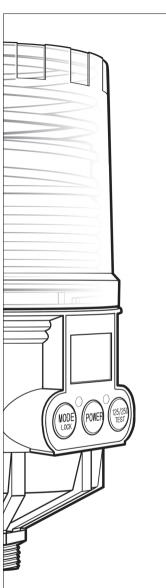
- Install the unit in a convenient location for easy access.
- Direct or remote mount the EM-S or EM-SP unit to the equipment as you would a Lubri-Cup EM unit.
- Connect the male end of the Relay Box (EM-S) or Power supply (EM-SP) to the female end coming from the main body of EM unit.
- EM-SP Only: 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
- 5. 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 (-).
- 6. 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.

Time Control Programming

- 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.
- During operation the (Month) will continue to "Blink" and the running days remaining will be displayed on the LCD.
- The EM-S/SP unit can go into "Stand by Mode" when the equipment is idle or shut down.
- If the equipment is turned ON the EM-S/SP unit will reactivate and start dispensing again.
- After completing the total running days as programed on the MODE setting, a red LED light will start blinking, indicating that it's time to replace the grease pack.
- With EM-SP only the grease pack needs to be replaced. It is not necessary to change the battery pack even if there is a low battery icon. On EM-S both grease pack and Battery must be replaced. After changing the service pack on EM-S/SP carefully press the "RESET" button. This will reprogram the LCD back to its default mode. Once having reset the lubricator, program the EM-SP unit to the desired monthly setting using the "MODE" button.

Notes:

- The EM-SP unit rate input power is DC 5.0 Volts. EM-S is DC 4.5 Volts
- The EM-S/SP unit can be turned off at any time by pressing the "POWER" button for 2 seconds.
- The EM-S/SP unit will go into stand-by mode 6 to 7 seconds after the equipment has been turned off.
- The equipment that the EM-SP is connected to must be ON while programming the lubricator.



Rev.03



LUBRI-CUP ™ EM-S, EM-SP **Series**

(125 & 250ml/500ml)