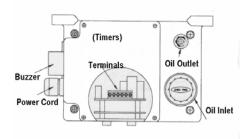
## CESD Auto Lub. Pump 110v or 220v

|  | Specification:      |                       |  |  |  |
|--|---------------------|-----------------------|--|--|--|
|  |                     | Action Time           | 3-60 Second (2.2cc/Sec)                      |  |  |
|  |                     | Intermittent<br>Timer | 0.1Min 180 Min.                              |  |  |
| ACT 4 APT INT 4 WR.  | <b>Timer</b>        | Buzzer                | Low oil level                                |  |  |
|  |                     | Floating              | Normal Closed or                             |  |  |
|  |                     | Switch                | Normal Open                                  |  |  |
|  |                     | Output                | Max. 3A 250VAC                               |  |  |
|  | Reservoir           | 2 Liter               |  |  |  |
|  | Pump                | Discharge<br>Volume   | 0.13 L/Min( 2.2cc/Sec. Max)                  |  |  |
|  |                     | Discharge<br>Pressure | 8 Kg/Cm <sup>2</sup> (8 bar Max.)            |  |  |
| And the second s | <u>Motor</u>        | Voltage /Hz           | 110 V, 50/60 Hz ,1 ø<br>220 V, 50/60 Hz ,1 ø |  |  |
|  |                     | Current               | 1.6 A (110v)<br>0.6 A (220v)                 |  |  |
|  |                     |                       | 12 W x 2 Pole                                |  |  |
|  | Viscosity<br>(40°C) |                       | 32- 190 cst                                  |  |  |
|  | Weight              | 7 Lb (3.2 kg.)        |  |  |  |

## **Operation Instruction for CESD – Type Oil Pumps:**

- Fill oil into the reservoir prior connecting power.
- Push the "F" key to feed oil for the first time.
- "F" key on the front panel is for manual oil feeding. Press & hold to pump oil manually.
- Set action timer (ACT) ---Pumping volume (3- 60 seconds) (2.2 c.c. / sec.). For example, if the setting is in 10 sec. (oil volume: 10 sec. x 2.2 c.c. = 22 c.c.)
- Set intermittent timer (INT) --- Cycle timer in minuets (0.1 to 180 min.) For example, if the setting is in 30 minuets the pump will pump oil every 30 minuets.
- Please refill clean oil at once when the oil level is below the minimum level to avoid pumping air into the pipes.
- Use correct voltage input. 110 v or 220v single phases.
- The buzzer will go off when the oil level is low, add oil immediately.

## Wiring Diagrams



| <br>Output<br>Floating Switch      |           |           | Ground                       | Power     |           |  |
|------------------------------------|-----------|-----------|------------------------------|-----------|-----------|--|
|                                    |           |           |                              |           |           |  |
| (A)<br>NO                          | (B)<br>NC | СОМ       | (P.E)<br>GND                 | POWER     |           |  |
| $\otimes$                          | $\otimes$ | $\otimes$ | $\otimes$                    | $\otimes$ | $\otimes$ |  |
| Normal Close<br>Normal Open Common |           |           | 110V or 220V<br>Single Phase |           |           |  |