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## Touch button

“S” Function button:programma changeable and review the programma;

“R” Operation button:Programma save and pump operation;

“←” Flush button:setting flush digital position under the setting situation;

“↑” Setting button:change the digital under the setting situation;



## Operation Mode

### Timer Control Mode (d=0)

Recommended for Systems without a Pressure Switch or Cycle Switch

Low level alarm function enabled\*

In this mode, the lubricating system runs according to the preset run time and idle time.

### Pressure Control Mode (d = 1)

Recommended for Injector Systems

Pressure switch function enabled/ Low level alarm function enabled\*

A pressure switch installed downstream from the pump functions as the key monitoring device for the entire system. Normally the system will build up sufficient pressure required to activate the pressure switch (normally open) in a predetermined period of time (called monitor time) once the pump starts. The user can adjust the monitor time to a setting greater than the time required to satisfy the pressure switch (normally 1.5 times greater). If the system fails to reach sufficient pressure during that time period an alarm signal will be displayed (yellow LED on and EEPP appears on the digital readout). Possible causes for this type of alarm could be pump malfunction, broken supply line or crushed supply line prior to pressure switch. Lubrication intervals are adjustable from 1 to 999 minutes. A four second run delay following a pressure switch closure assures adequate pressure downstream from the pump.

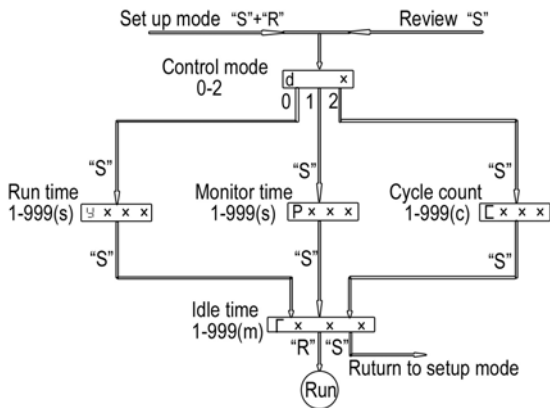
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## **Cycle Control Mode (d=2)**

Recommended for Progressive systems

Cycle switch function enabled/ Low level alarm function enabled\*

The cycle switch mounted on a progressive divider valve is the key monitoring device for the entire system. Normally when grease is being discharged from the outlets of the divider valve, a cycle pin engages with the switch, confirming a successful lubrication cycle. The controller can be programmed to allow for a predetermined number of cycle counts (1-999). Once the preset number of counts is obtained the controller will stop the pump and revert back to the idle time setting (1-999 minutes). If the desired number of cycle counts is not obtained within five minutes of run time (non-adjustable), an alarm signal will be displayed (yellow LED on and EEPP appears on the digital readout). Possible causes for this type of alarm could be pump malfunction, divider valve malfunction, broken supply line or blocked supply line or feed line.



### ***Fault Alarm***

In any alarm condition, e.g. low level, low pressure etc., the pump will not be able to operate and the alarm lamp will illuminate. The fault condition must be rectified to cancel the alarm and reactivate the system.

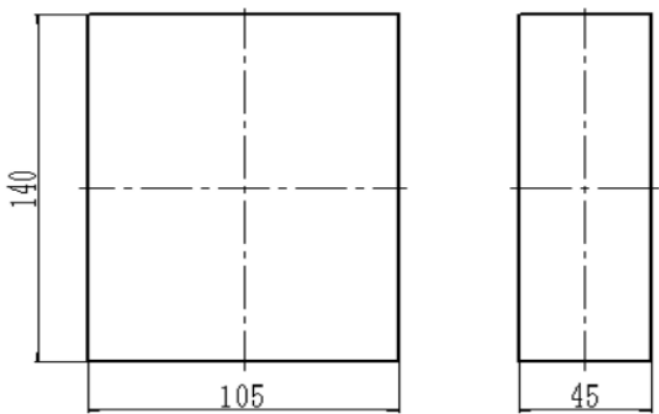
### ***Fault Conditions:***

“EEPP”-Monitor time-out

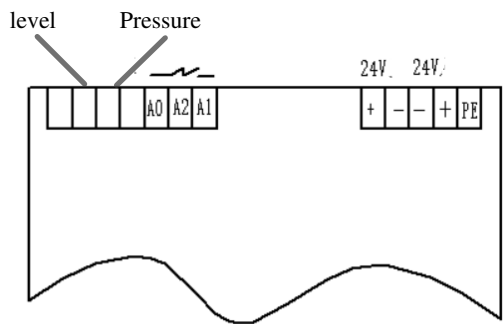
(Mode d2 - Injectors) Pressure switch did not activate within monitor time.

Connection way

- 1. 2 Power connect ;(220VAC;2A)
  - 3. 4 Motor or valve (220VAC;80W)
  - 5. 6 Level switch(N.O.)
  - 7. 8 d=1,presure switch ;d=2,cycle indicator
- A<sub>0</sub>,A<sub>1</sub>,A<sub>2</sub>;output/alarm(A<sub>0</sub>,common point;  
A<sub>1</sub> Normal closed;A<sub>2</sub> Normal open)



Dimension



Wire Connection