

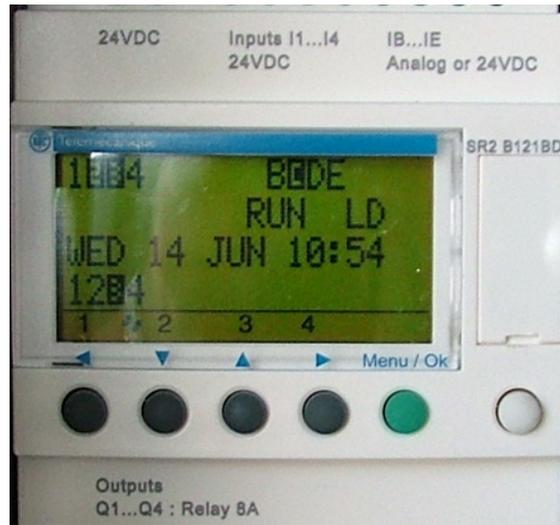
**FLUSHING CONTROLLER OPERATION INSTRUCTIONS**

The PLC provides control of interval between the flushing cycles and the flushing time.

**INSTRUCTIONS FOR CHANGING PARAMETERS:**

**General**

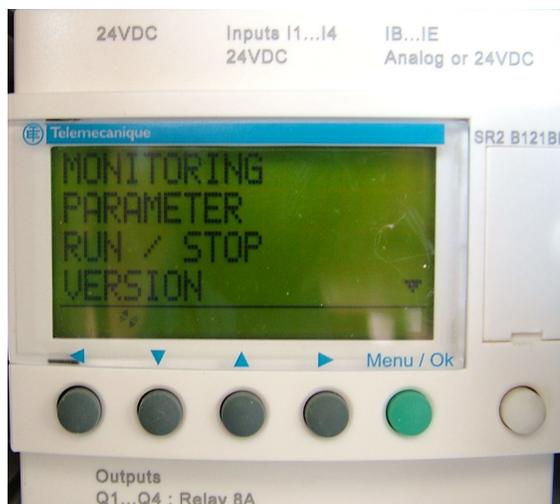
1. At normal operation the PLC displays the time, date and I/O table (FIG.1)



**FIG.1**

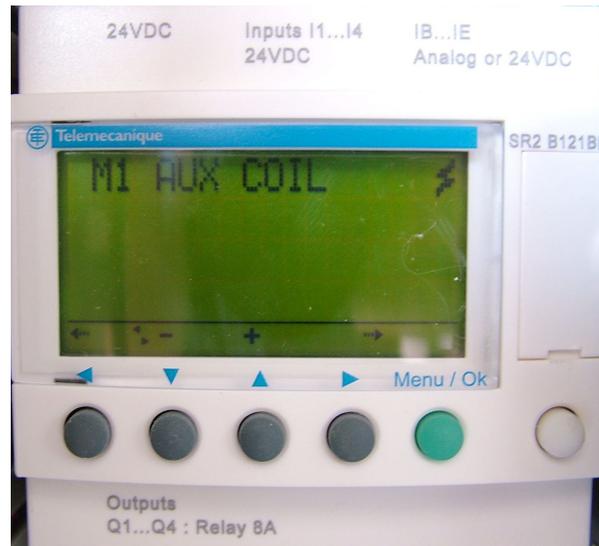
**Changing Parameters**

2. To change and read parameters press **Menu/OK** – the following screen will show (FIG. 2). Use the up/down arrow to reach the **PARAMETER** (it will blink) and press **Menu/OK**.



**FIG.2**

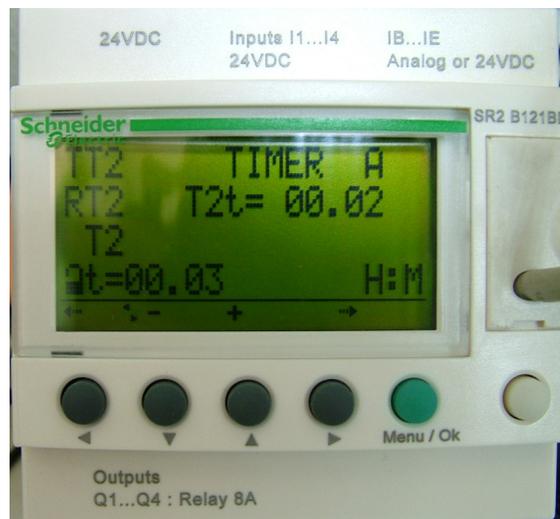
3. The following screen will show (FIG. 3)



**FIG.3**

### Time Interval Changing

4. For changing the interval between flushing according to timer use the **up** (^) arrow till you reach screen with T2 parameter. (FIG. 4)



**FIG.4**

5. Push the **left key** (<), the time value will start blinking. Use the **up** (^) and **down** (v) keys to change the time interval (hours: minutes).
6. Press **Menu/OK** to confirm changes the following screen will show (FIG. 4). Select **YES** by using **up** (^) and **down** (v) keys and confirm by pressing **Menu/OK**.



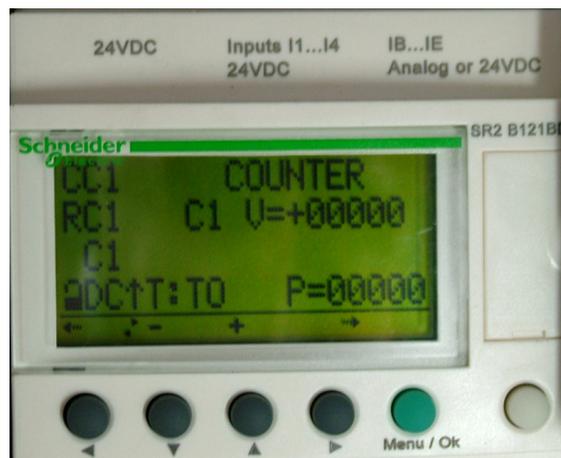
**FIG.5**

**Flush Duration Changing**

7. For changing the flushing duration use the **up** (^) arrow till you reach screen with T3 parameter.
8. Push the **left key** (<), the time value will start blinking. Use the **up** (^) and **down** (v) keys to change the flushing duration (seconds) – recommended 12 seconds.
9. Press **Menu/OK** to confirm changes (see FIG. 5).  
Select **YES** by using **up** (^) and **down** (v) keys and confirm by pressing **Menu/OK**.
10. Press **Menu/OK** to return to main screen.

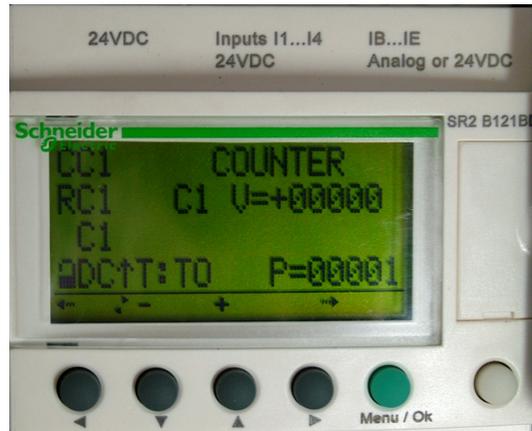
**PSV / Main Valve Definition**

11. For defining operation with / without main valve use the **up** (^) arrow till you reach screen with CC1 (COUNTER) parameter (C1).



12. Push the **left key** (<), the parameter value (P=0000) will start blinking. Use the **up** (^) and **down** (v) keys to change the status:

- 0000 – when using main valve.
- 0001 – when not using main valve



13. Press **Menu/OK** to confirm changes (see FIG. 5).  
 Select **YES** by using **up** (^) and **down** (v) keys and confirm by pressing **Menu/OK**.

**PSV / Main Valve Time Delay Definition**

14. For changing the time delay for closing main valve use the **up** (^) arrow till you reach screen with T4 parameter.
15. Push the **left key** (<), the time value will start blinking. Use the **up** (^) and **down** (v) keys to change the time delay (seconds) – recommended 30 seconds.
16. Press **Menu/OK** to confirm changes (see FIG. 5).  
 Select **YES** by using **up** (^) and **down** (v) keys and confirm by pressing **Menu/OK**.
17. Press **Menu/OK** to return to main screen.

**Filters Chaining Definitions**

18. When operating in array and there is a need to define the MASTER / SLAVE filter use the **up** (^) arrow till you reach screen with CC4 (COUNTER) parameter (C4).





- 19. Push the **left key** (<), the parameter value (P=0000) will start blinking. Use the **up** (^) and **down** (v) keys to change the status:
  - 0000 – The filter will operate as MASTER.
  - 0001 – The filter will operate as SLAVE.
- 20. Press **Menu/OK** to confirm changes (see FIG. 5).  
Select **YES** by using **up** (^) and **down** (v) keys and confirm by pressing **Menu/OK**.
- 21. Press **Menu/OK** to return to main screen.

**GENERAL DATA**

When the PLC is on the main screen (FIG 1), pressing one of the keys below the numbers: 2, 3, 4 will show one the following data:

PRESS	DATA	DESCRIPTION
<b>Z2</b>	<b>INTERVAL</b>	Time between last flushing cycle to following flushing cycle (interval) h : m
	<b>FLUSHING DURATION</b>	Duration of drain valves opening for flushing the screen - seconds
<b>Z4</b>	<b>CTMR</b>	Number of flushing cycles due to timer (Counter).
	<b>CDP</b>	Number of flushing cycle due to pressure difference (Counter).
<b>Z1</b>		Back to main screen

**MAINTENANACE**

**NOTE:** Before filter shut down or draining, perform two cycles of manual flush, verify that head loss on the filter does not exceed 0.1-0.2 bar (1-2 meters).

**NOTE:** before installing bolts back to their places spread the bolts treads with grease.

1. Every 6 month apply MOLYKOTE G-n Plus Paste to the screw of the drive assembly.
2. Every 6 month apply “DOW CORNING® 4DC or EQUAL grease to the shaft guide.
3. Repair any damage to the protective coating of the filter without delay. Prior to application of protective paint, thoroughly clean the damaged spot with wire brush.
4. In case that there is needs to take out the screen for maintenance, prior to installation lubricate the screen seals and the cover gasket with “DOW CORNING® 4DC or EQUAL grease.