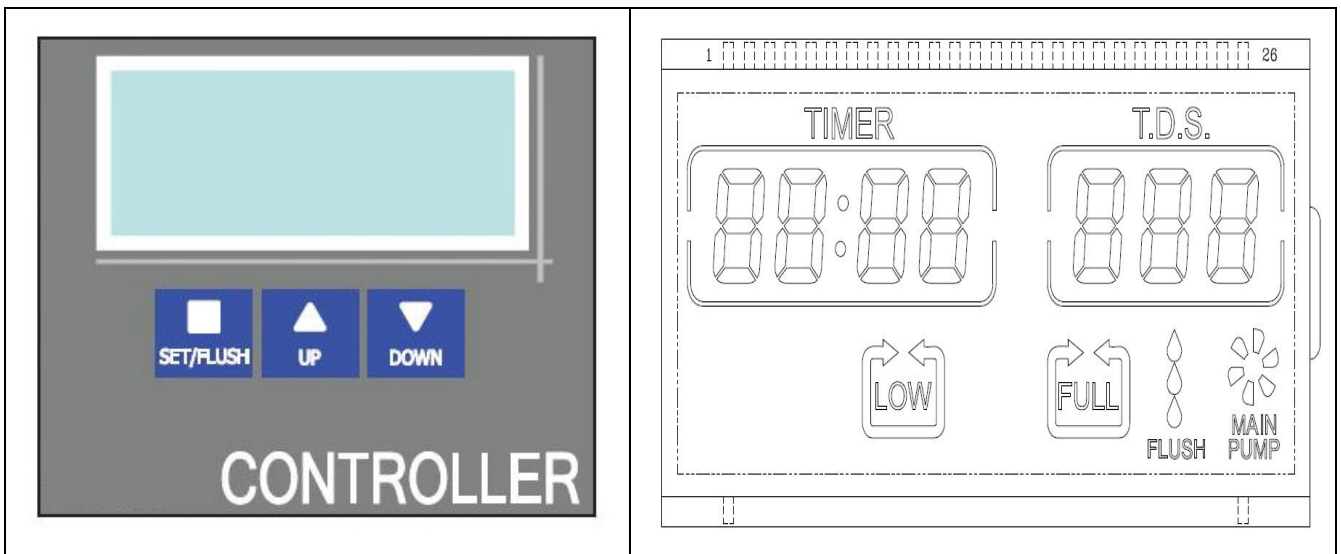


Manual of Controller Operation



Button direction:

1. Setting button: To enter setting mode.
2. Up button: increase setting value.
3. Down button decrease setting value.
4. Screen monitor: Display operation state.

Argument setting method:

In standby mode, press setting button 3 seconds to enter argument setting mode (one "Bi" sound), press up or down button to adjust argument as you need, press setting button can enter next argument, after setting run a circle of argument will return to standby mode.

Enforce flushing method: press up and down button 5 seconds at the same time.

Dosing method: First, follow enforce flush method, it will get into enforce flushing count down state, then press down button to pause down counting; when need stop, then press down button again and it will over process.

Screen monitor method direction

1. TIMER: Using Add up method to show the time of present water making (min./sec.), if over an hour, it will change to (hr./min.), and flush time(count down). When in standby state will show total hour of water making, after over 9999 hours will start from 0000 hour.
2. TDS: To show present water quality.
3. LOW: Inlet water low pressures indicate.
4. FLUSH: Flush indicate.

5. MAIN PUMP: High pressure pump.
6. It will show FLUSH · MAIN PUMP....etc words when starting; after enter commands, above leaf or water drop will indicate with circle running mode.
7. LOW, FULL...etc words will show their frame at first, until it is connected then show that words.

Setting direction:

1. P1: Time of making water flushing and enforce flushing: 0 sec.- off, 15 sec. 30 sec. 45 sec. 60 sec...etc.
2. P2: To enter delay operation time. 0 sec.- off, 5 sec. 10 sec. 15 sec. 20 sec....etc.
3. P3: To set circulate flushing by water making. 0=OFF function. Setting flushing spacing from 1H, 2H, 3H~12H. (flushing automatically after N hours continuously water making)
4. P4: Setting flushing by standby state, 0= off function; setting flushing spacing from 12H, 24H, 36H, 48H, 60H, 72H, 84H, 96H (flushing automatically after in standby state for N hours)
5. P5: Setting TDS warning: If set 0= off warning function; setting spacing from 10, 20, 30~200 ppm, screen flash with buzzer will continue for one min., then repeat warning once in every hr.
6. P6: TDS Fine-tuning: using for TDS Fine-tuning (original setting data: 10)
7. Shut down record: Record the last 5 times shut down with time (include any cause of shut down)

Wires:

yellow line LOW= low pressure switch green line FULL= full water switch red line=inlet water solenoid
 orange line= flushing solenoid brown line= high pressure pump
 black line=110v~240v power in

R.O system operation mode:

1. Power in: after waiting 10 seconds to enter standby mode. (TIMER and TDS in panel count down from 9 to 0)
2. Standby mode: To test LOW (low pressure) input point (yellow), if LOW=NO, then stop operating; **start again operating until NC.**
3. To test FULL (full water) input point (green line) =NO; until reach the set data, red line=inlet solenoid, brown line=high pressure pump, orange line=flushing solenoid output.
4. When the set flushing time is up (P3), orange line=flushing solenoid output point OFF, red line=inlet water solenoid, brown line=high pressure pump ON. (when it has inlet water but storage tank is empty, then it will start to make water)
5. When water making continuously for N (1~12) hours; or in standby state until N (1~96) hours, it will flush (0~60) seconds automatically. (controlled by data P3, P4)