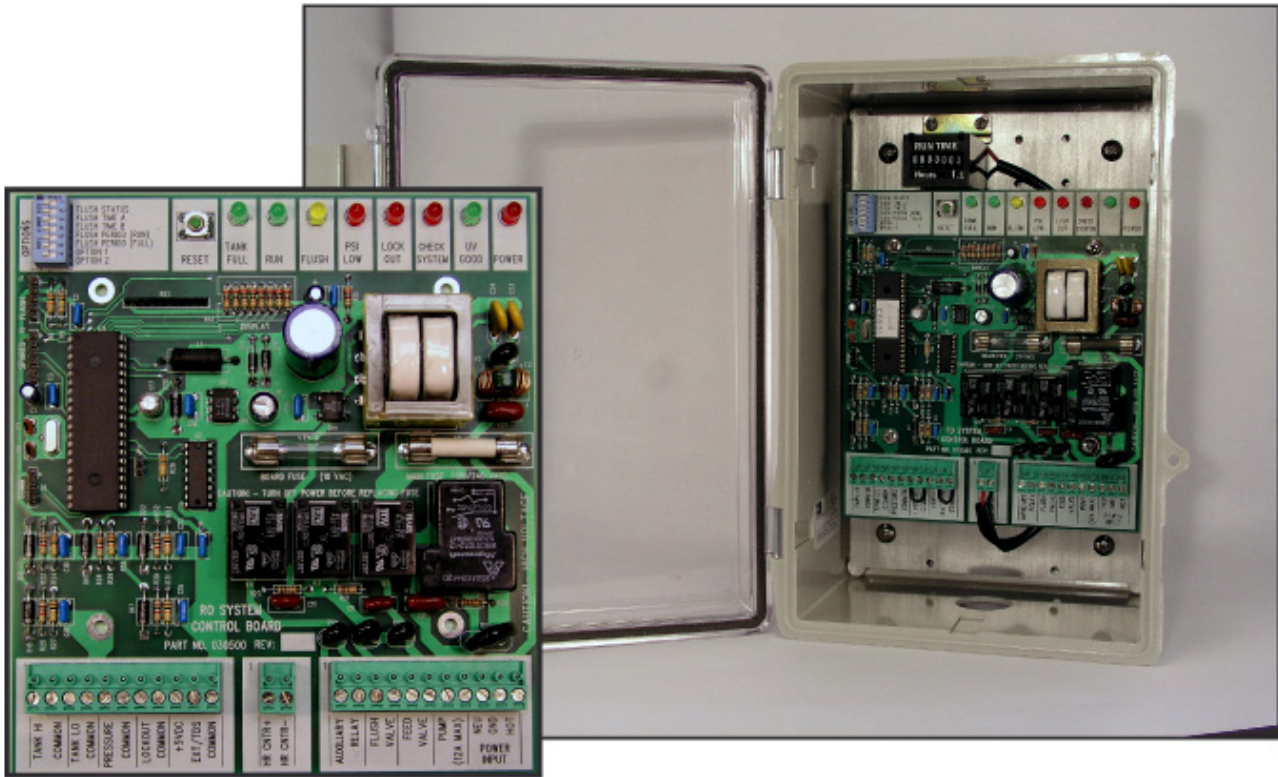


Reverse Osmosis System Controller

With "Run Time" Hour Meter

ESDI Model 500



See Price List for Current Pricing

The ESDI Model 500 Reverse Osmosis System Controller is an electronic circuit board assembly that performs all of the functions necessary to operate an industrial/commercial reverse osmosis water purification system. This dedicated control board incorporates flush cycles and other features that make it cost effective and easy to use.

Features:

- Maintains water storage tank level, with separate Hi and Lo level tank sensors.
 - Automatic membrane flush cycles with selectable times and frequencies.
 - Lockout inputs for feed water pressure, TDS monitor, & water softener pre-processor.
 - Hour meter output connects to counter to display run time.
 - Controls membrane Flush Valve & Water Feed Valve (120VAC/240VAC rated).
 - Pump control relay rated for 1HP/120VAC and 2HP/240VAC.
 - Auxiliary relay output for additional process control or alarm.
 - Optional RS232 serial communications port for SCADA monitoring.
 - Power Requirement: 120VAC or 240VAC, 50/60 Hz.
 - Board Size: 6" X 6.75".
- Enclosure Size: 11.5" X 7.75" X 6"

All of our products come with a Two-year Warranty. Your satisfaction is guaranteed.

Electronic Systems Design, Inc.

1010 North Maclay Avenue - San Fernando, California 91340 USA
Phone: (818) 365-0864 - Fax: (818) 365-1308 - Web: www.esdi.net

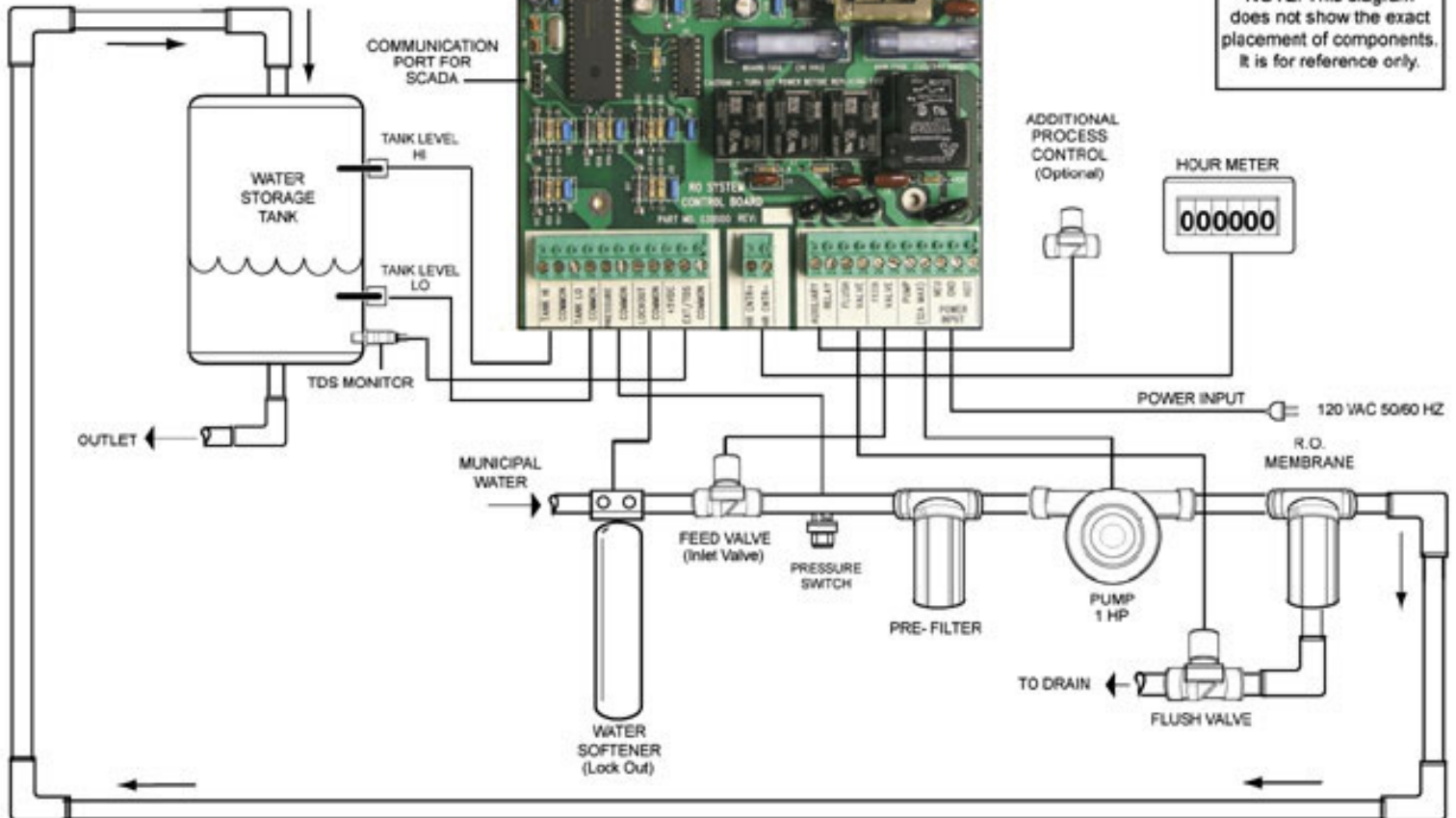
REVERSE OSMOSIS (RO) WATER PURIFICATION SYSTEM

| SWITCH | SELECT OPTIONS |
|--------|-------------------------------|
| 1 | Flush Status- on/off |
| 2 | Flush Time-1,2,3,4, Minutes |
| 3 | Flush Time-1,2,3,4, Minutes |
| 4 | Flush Period (Run)-2,4 Hrs. |
| 5 | Flush Period (Full)-8,12 Hrs. |
| 6 | Option 1 (Special Function) |
| 7 | Option 2 (Special Function) |

| STATUS INDICATORS | |
|-------------------|-------------------------|
| TANK FULL | Tank is full |
| RUN | RO in progress |
| FLUSH | Flush cycle in progress |
| PSI LOW | Feed pressure is low |
| LOCK OUT | System is locked out |
| CHECK SYSTEM | Check water TDS |
| UV GOOD | (OPTIONAL) |
| POWER | Power is on |

(OPTIONAL REMOTE DISPLAY)

NOTE: This diagram does not show the exact placement of components. It is for reference only.



Reverse Osmosis Water Processing System using the ESDI Model 500 RO Control Board.
Electronic Systems Design, Inc., San Fernando, CA 91340