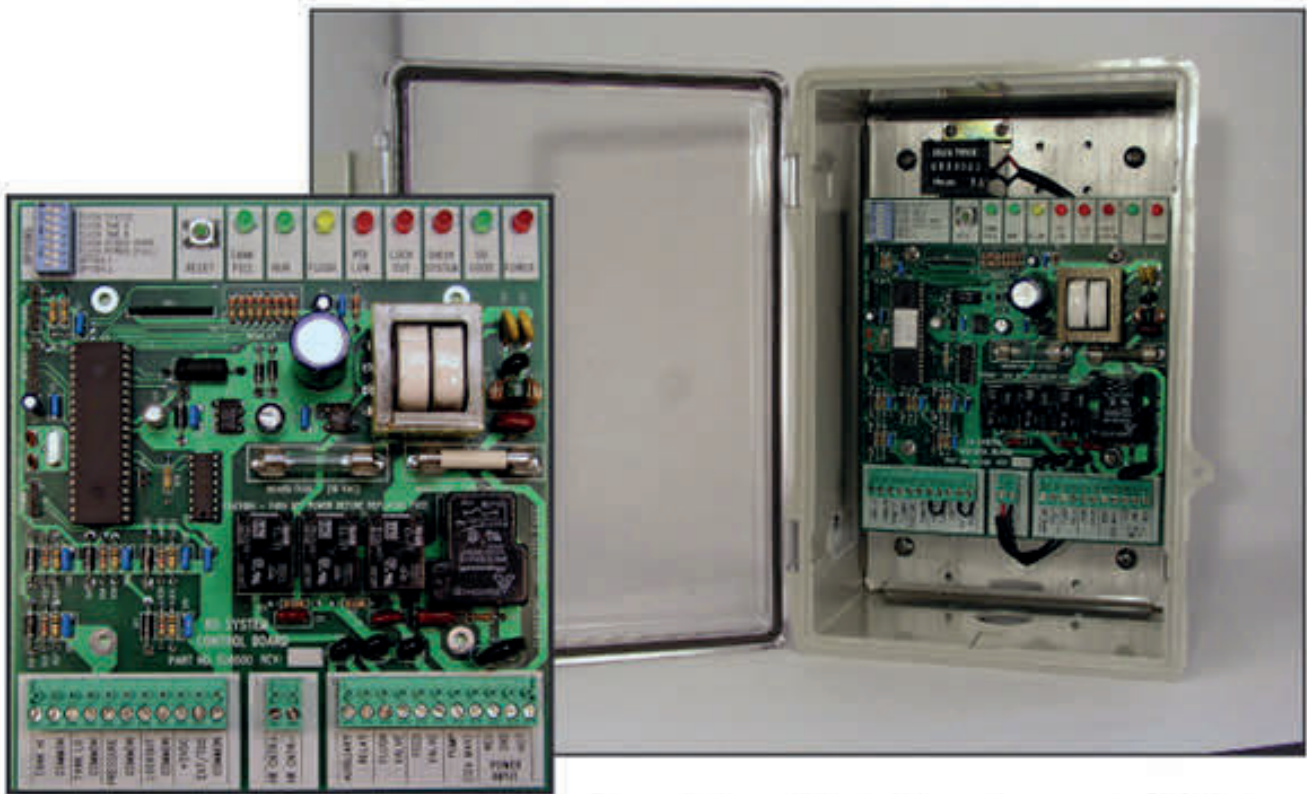


# Reverse Osmosis System Controller

## With "Run Time" Hour Meter & Delivery Pump Control

### ESDI Model 503



**See Price List for Current Pricing**

The ESDI Model 503 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, an auxiliary pump control and features that make it cost effective and easy to use.

#### **Features:**

- Maintains water storage tank level, with a Hi level tank sensors.
- Automatic membrane flush cycles with selectable times and frequencies.
- Auxiliary relay & tank Lo level sensor, for delivery system. (120VAC/240VAC, 3A Rated)
- 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, 3A Rated).
- Pump control relay rated for 3/4HP/120VAC and 1HP/240VAC (12 Amp Max).
- Optional RS232 serial communications port for SCADA monitoring.
- Power Requirement: 120VAC or 230VAC, 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.

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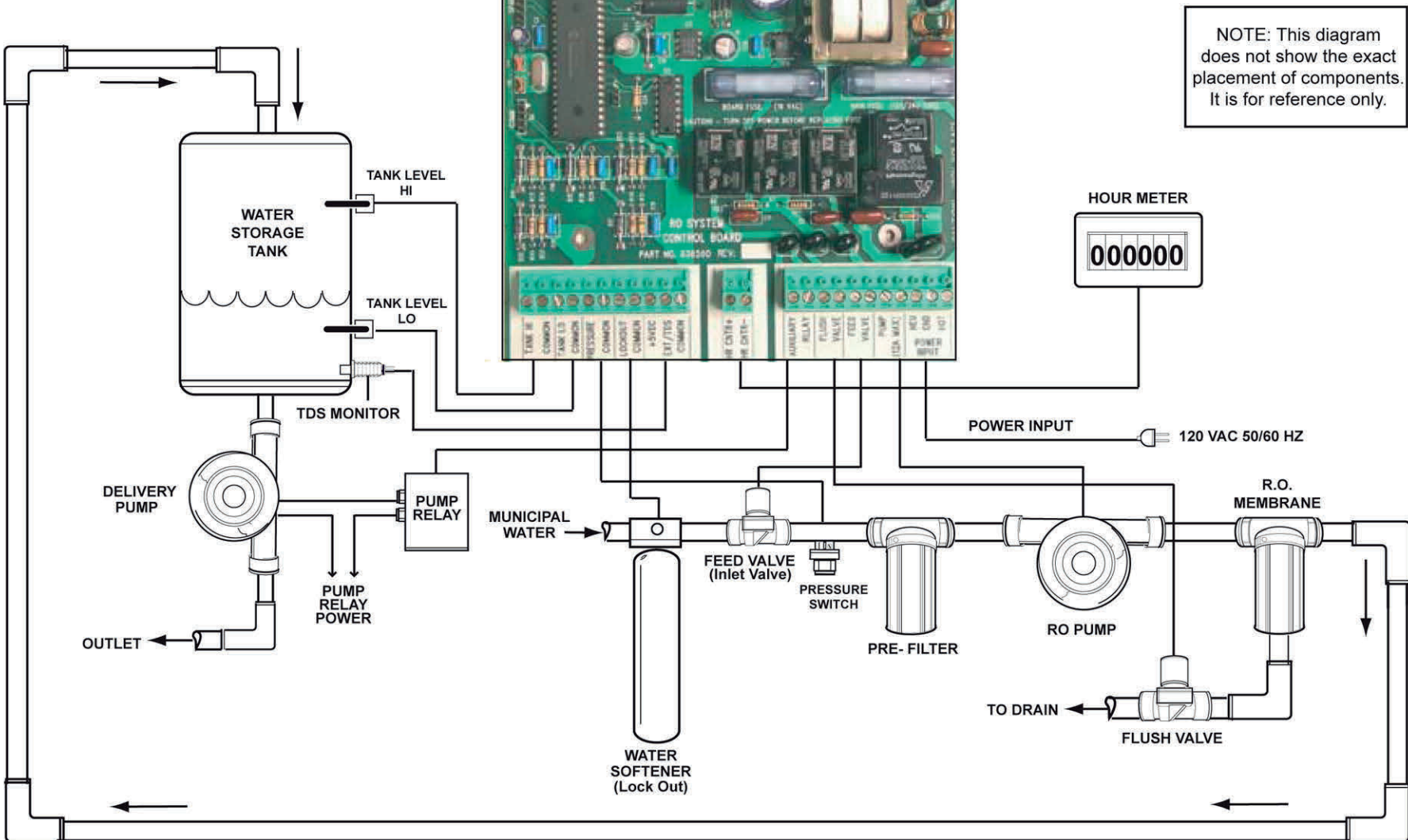
### **Electronic Systems Design, Inc.**

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

# REVERSE OSMOSIS (RO) WATER PURIFICATION SYSTEM WITH DELIVERY PUMP

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)-12,24 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	Feed pressure is low
LOCK OUT	System is locked out
CHECK SYSTEM	Check water TDS
UV GOOD	(OPTION)
POWER	Power is on



Reverse Osmosis Water Processing System using the ESDI Model 503 RO Control Board.  
Electronic Systems Design, Inc., San Fernando, CA 91340