

Reverse Osmosis System Controller

For O.E.M. Manufacturers of RO Systems

ESDI Model 250C

Low Cost



See Price List for Current Pricing

The ESDI Model 250C Reverse Osmosis System Controller is a low cost Electronic Control Board that performs all of the functions necessary to efficiently operate an industrial/commercial water purification system. This controller incorporates flush cycles to increase membrane life, along with other features that make it cost effective and easy to use. Comes with a two-year Warranty. Your satisfaction is guaranteed.

The Model 250C is perfect for manufacturers of Reverse Osmosis equipment that wish to lower their production costs by outsourcing the electronic controllers for their standard systems. Our products are made in the USA and comply with UL-508, and IEC Standard 1000-4-4 part 4 for electromagnetic interference.

Contact us if you require software changes to suit your specific needs.

Features:

- Maintains water storage tank level, using single float, or pressure switch.
- Controls water inlet (feed) valve & membrane flush valve (24VAC rated).
- Lockout input monitors Hi/Lo water pressure, and/or water softener regeneration.
- Automatic membrane flush cycles with selectable run times and frequencies.
- Includes: Power up Flush, Stop Flush, Tank Full Flush & Periodic Process Flush.
- Pump relay is isolated and rated for 1HP @ 120VAC and 2HP @ 240VAC.
- Front panel with LED Status Display and easy access Option Switches.
- Board Power: 24VAC, 50/60 Hz, 420ma • Transformer Power: 120/240VAC, 50/60 Hz.
- Board Size: 4" X 4". • Enclosure Size: 6" X 6" X 4".

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

Configurations for ESDI Model 250C

(Effective: May 25, 2011)



The Model 250C Reverse Osmosis Controller can be purchased in several configurations.

Please Choose the one that best suits your needs.



Model 250C with NEMA 4 Indoor Enclosure, Fuses, Internal Power Transformer & Power Switch (DPST).

This configuration comes complete. Just wire it up and it's ready to go to work. Terminal blocks are removable to help simplify the cable harnessing.

[See Price List for current pricing](#)



(Inside View)

Model 250C mounted with Panel:

This configuration is best if you have your own enclosure, and want to incorporate the controller with its own display panel. This can save you time and materials and the burden of labeling your panel. You simply cut out a square hole and 4 mounting holes and mount the controller with panel. Terminal blocks are removable to help simplify the cable harnessing.

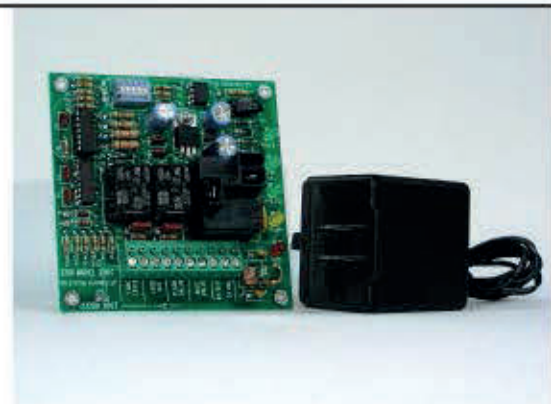
[See Price List for current pricing](#)



Model 250C Board Only:

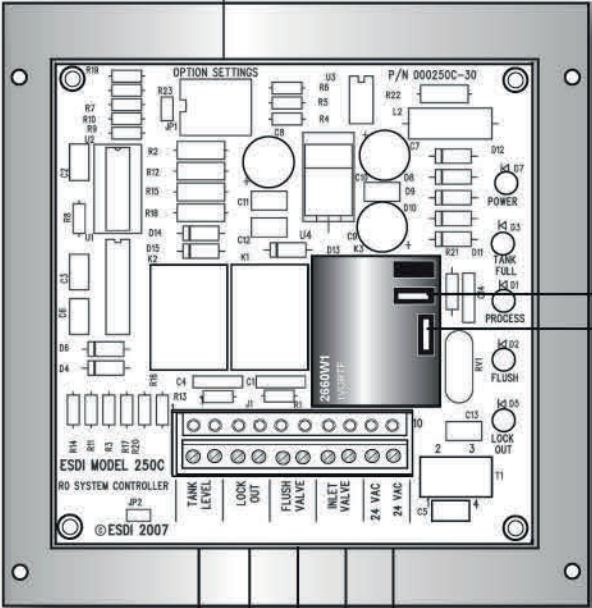
You can purchase the control board alone. This configuration is best if you want to incorporate the controller, but have your own enclosure, and do not want our display panel. Terminal blocks are removable to help simplify the cable harnessing.

[See Price List for current pricing](#)

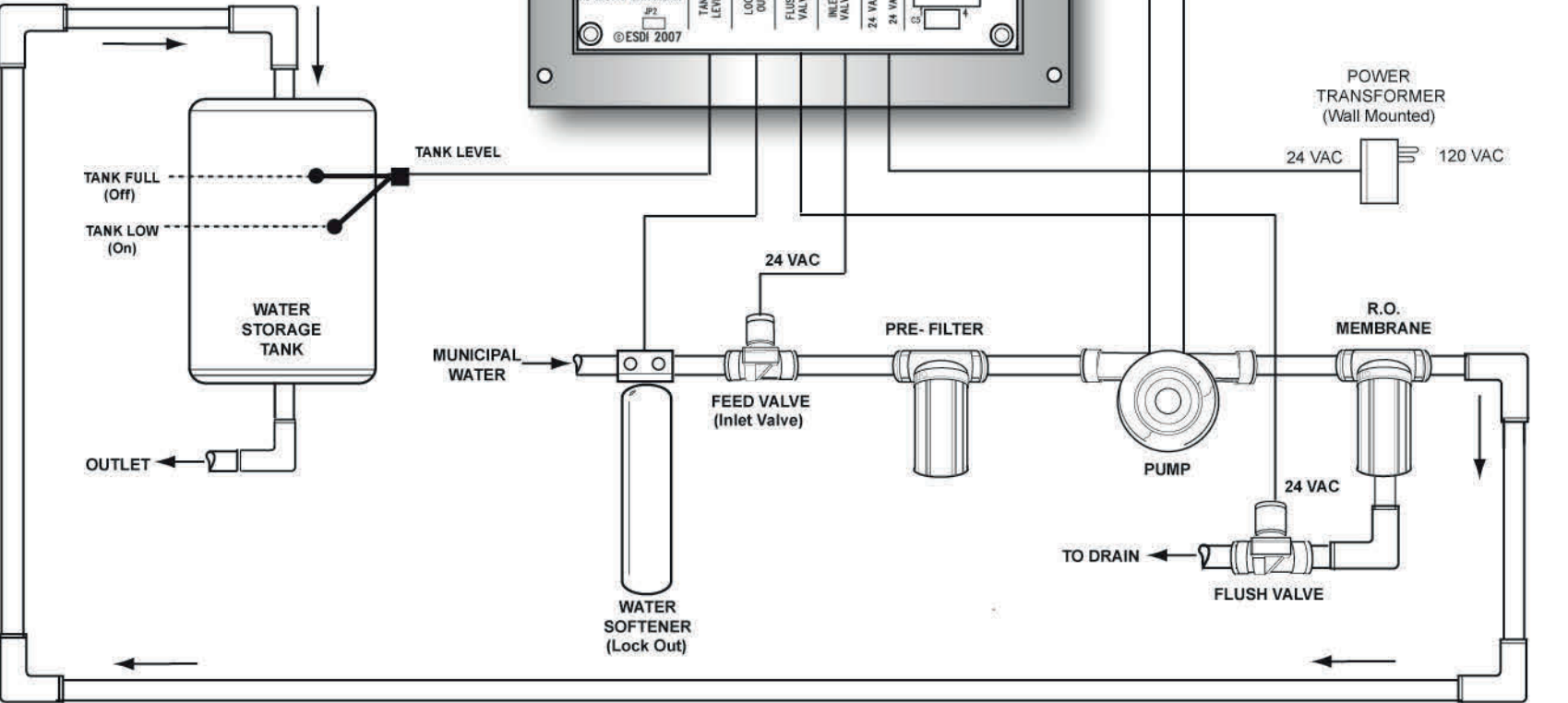


REVERSE OSMOSIS (RO) WATER PURIFICATION SYSTEM

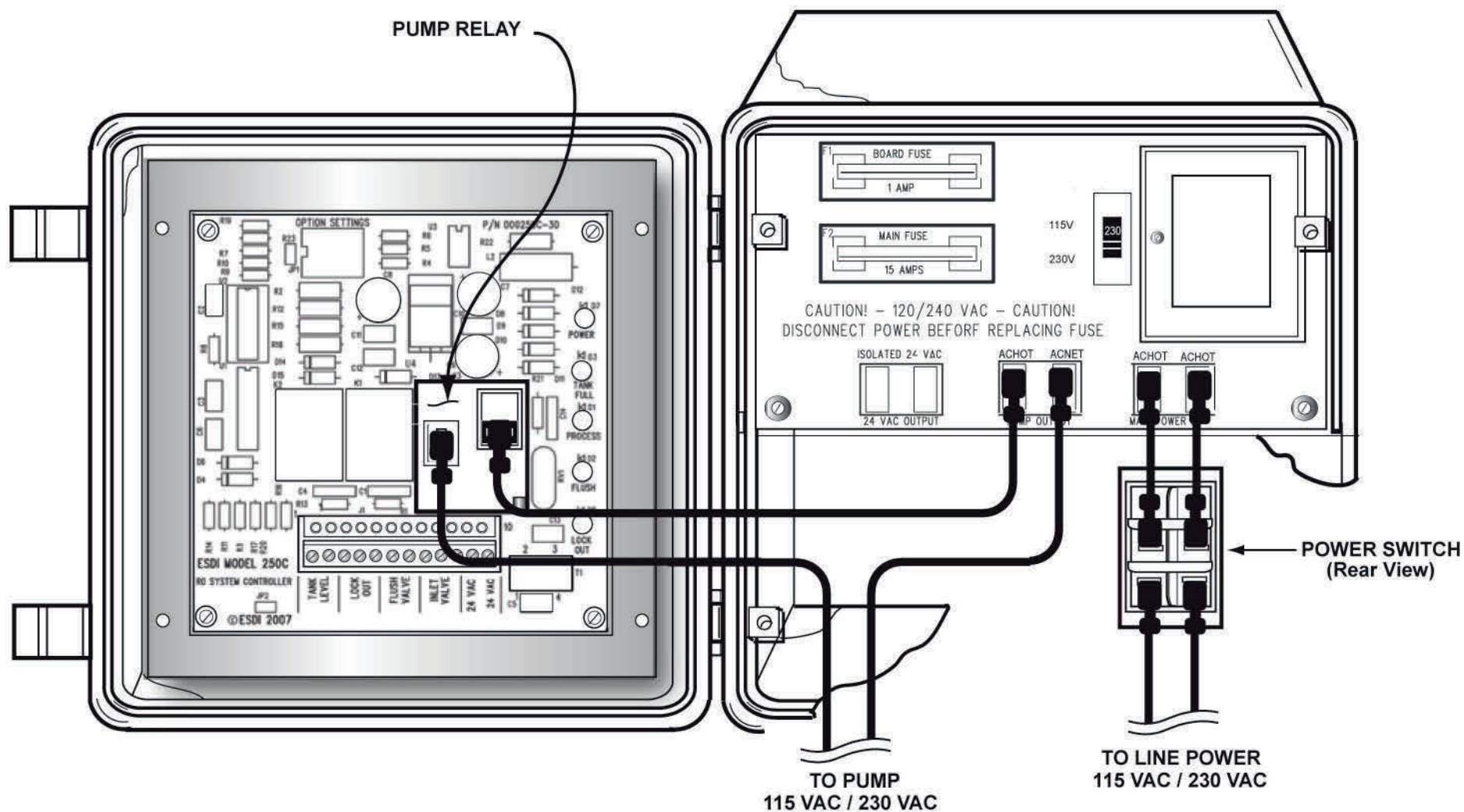
SW-1	FLUSH STATUS	
ON	ACTIVATE ALL FLUSH CYCLES: POWER-UP, STOP, LOCKOUT, TANK FULL & PROCESSING	
OFF	NOT ACTIVE	
SW-2	FLUSH CYCLE TIME - TANK FULL	
ON	12 HOURS	
OFF	24 HOURS	
SW-3	FLUSH CYCLE TIME - PROCESSING	
ON	2 HOURS	
OFF	4 HOURS	
SW-4	SW-5	FLUSH TIME
ON	ON	1 MINUTE
ON	OFF	2 MINUTES
OFF	ON	3 MINUTES
OFF	OFF	5 MINUTES



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 250C RO Control Board.
Electronic Systems Design, Inc., San Fernando, CA 91340



MODEL 250C RO CONTROL UNIT