



Big System Features for Nelsen Commercial NRO Systems in a Small Package. The low cost optional controller for the Nelsen Commercial NRO Systems offers advanced features at uncompromised quality.

**Custom Graphics** - Use your logo or brand name to upgrade the appearance of your systems and strengthen your brand. Or, add value for your customers by providing custom branding.

More Control - flexible and powerful software gives you complete control over your RO system<sup>™</sup>s performance. Choose from 4 complete program profiles. Use the factory presets or they can be customized to your specs.

RO Settinas Sel 0 Sel 1 Sel 2 Sel 3 Periodic Flush vitch Debounce (Seconds) Tank Level 
 10
 (Minutes) Interval

 30
 (Seconds) Duration
 0.5 🚖 (Seconds) Low Pressure 🔲 Alarm/Devert Relay during Flush 0.5 (Seconds) Pretreat Flush On Shutdowr RO Timing 30 (Minutes) Time from last Flush 10 (Seconds) Pump Start Delay (Seconds) Low Press Restart 60 (Seconds) Flush Duration \$ (Seconds) Inlet Stop Delay 10 (Minutes) Timed Manual Run System Idle Flush (Hours) Interval Low Pressure Fault (Seconds) Timeout Fault 300 (Seconds) Duration Max number of Faults TDS Sample Rate (Minutes) During Period 5 🚖 (Seconds) Between Samples (Minutes) Shutdown Reset TDS Alarm Settings Alarm Relay on Low Press Shutdown

Apply

30 🚖 (Minutes) Shutdown

Permeate Devert Dead Band

 0

 • (Seconds) Delay ending dev



ROC2 provides high quality and high performance in an economical and compact, (6.5" x 6.5") package.

## **Advanced Features, Uncompromised Quality**

 Superior Hardware Design: Modular for easier assembly, easier service and superior flexibility. Clean logical layout with clear labeling and easy access.

- 2 Superior Interface: 4 line LCD with clear, common-sense information. Takes the guesswork out of monitoring the RO.
- 3 Superior Electrical Design: High-current wiring is stationary – not subject to flexing and twisting every time the controller door is opened. The terminal block is mounted to the back panel where it belongs. Wiring is easier, cleaner and more secure.



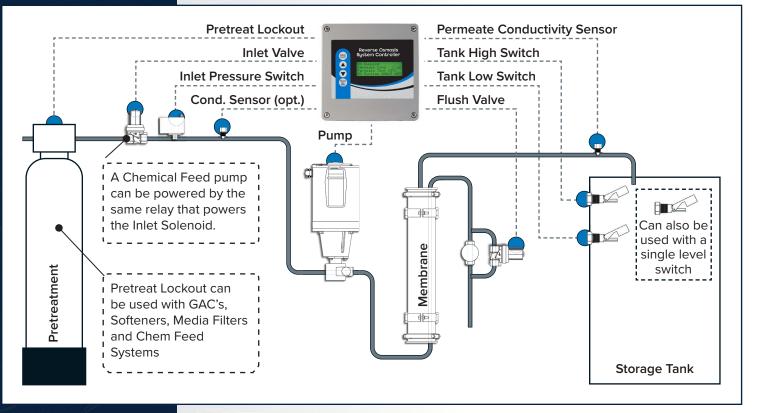
Superior Protection: Fully fused – because fuses cost less than circuit boards. Uses standard, readily-available fuses.

**5** Superior Filtering: Robust protection from surges, interference or miswiring.

**6** Superior Power Supply: Operates reliably on varying voltages.



## **Pictorial Schematic of a Typical ROC-2 System**



OUTPUTS		INPUTS	
Feed Solenoid	6A (Inductive). Voltage is the	Tank Level	(2) Normally-Closed.
	same as motor voltage– easily changed by user.	Switches	Can be used with a single level switch
Flush Solenoid	6A (Inductive). Voltage is the same as motor voltage– easily changed by user.	Inlet Pressure Switch	Normally-Open
Motor	20A, 1.0HP/120V, 2.0HP/240V.	Pretreat Lockout Switch	Normally-Open
OTHER		<b>Controller Power</b>	120/240 VAC, 60/50Hz
Dimensions	6.5" tall, 6.5" wide, 4.5" deep. Nema 6P non-metallic.	Permeate Conductivity	0-1500* PPM, 0-3000 μs
Weight	2.3 lb. (Basic Configuration, not including optional wire harness, etc)	Feed Conductivity *With cell constant of 0.	(opt) 0-3000* PPM, 0-6000 μs 75. Higher ranges
Environment	0-50°C, 10-90%RH (noncondensing)	require a different cell constant.	

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