



**R.O. WIRE NUMBER IDENTIFICATION FOR THE PRE-TREATMENT,  
WATER STORAGE SYSTEM FLOAT SWITCHES**

<u>WIRE #</u>	<u>LOCATION</u>
1	COMMON ON THE 24 VAC CIRCUIT, INCLUDING THE NURSES MONITOR, AUTO BYPASS SOLENOID, BOOSTER PUMP STARTER COIL, AND INLET SOLENOID.
5	THIS WIRE IS USED WHEN THE R.O. IS WIRED TO OPERATE WITH AN R.O. WATER STORAGE TANK OR R.O. BLADDER TANK. THIS WIRE IS CONNECTED TO THE COIL OF CR-1 RELAY. CONNECT THIS WIRE TO ONE SIDE OF THE "CUT-IN" FLOAT SWITCH OR PRESSURE SWITCH. THIS TELLS THE R.O. TO START WHEN THE TANK LEVEL IS LOW. THE OTHER WIRE OF THIS FLOAT SWITCH IS CONNECTED TO #35 FROM THE R.O.
6	THIS WIRE IS USED IN CONJUNCTION WITH #5 FROM THE JUNCTION OF CR1-1 CONTACT AND UNIT-ON SWITCH. CONNECT THIS WIRE TO ONE SIDE OF THE "CUT-OUT" FLOAT SWITCH OR PRESSURE SWITCH. THIS TELLS THE R.O. TO SHUT OFF WHEN THE TANK IS FULL. THE OTHER WIRE FROM THIS SWITCH IS ALSO CONNECTED TO #35 FROM THE R.O.
12	FROM THE R.O. SYSTEM TO LOW PRESSURE LIGHT ON THE NURSES MONITOR.
13	FROM THE JUNCTION OF CR2-3 N/O, INLET SOLENOID AND THE COIL OF TDR-5. CONNECT TO THE OPEN WIRE OF THE BOOSTER PUMP STARTER, COIL INTERRUPT SWITCH. CONNECT THE REMAINING OPEN WIRE IN THE STARTER TO #1 FROM THE R.O.
23	MUTE SWITCH WIRE FROM THE R.O. TO THE NURSES MONITOR CONNECTS DIRECTLY TO #23, THE MUTE SWITCH ON THE NURSES MONITOR.
24	CONNECT FROM #24 ON THE R.O. TO #24 ON THE NURSES MONITOR AUDIBLE ALARM.
30	FROM THE R.O. SYSTEM TO THE "OUT OF LIMIT WATER QUALITY" LIGHT ON THE NURSES MONITOR.
31	CONNECT TO THE "UNIT ON" LIGHT ON THE NURSES MONITOR
34	FROM TERMINAL #34 IN THE R.O. SYSTEM. CONNECT TO ONE WIRE OF THE AUTO BYPASS SOLENOID. THE OTHER WIRE FROM THE SOLENOID TO BE CONNECTED TO #1 FROM THE R.O. <u>IF THE R.O. DOES NOT HAVE AN AUTO BYPASS SOLENOID, CONNECT #34 TO THE "CHECK R.O." LIGHT ON THE NURSES MONITOR.</u>
38	FROM CR-4 COIL. CONNECT TO WIRE #38 FROM THE MICRO SWITCH ON THE CONTROLLER ON WATER SOFTENER #1. THE OTHER SIDE OF RELAY COIL CR-4, #28, TO BE CONNECTED TO #1 ON THE WATER SOFTENER TERMINAL STRIP. THE COMMON CONTACT ON THE MICRO SWITCH IN THE SOFTENER CONTROLLER IS ALREADY CONNECTED TO #6 ON ITS TERMINAL STRIP.
39	<u>THIS WIRE IS USED ONLY IF A SECOND WATER SOFTENER IS INSTALLED.</u> FROM CR-5 COIL. CONNECT TO #39 FROM THE MICRO SWITCH ON WATER SOFTENER #2. THE OTHER SIDE OF RELAY COIL CR-5, #29, TO BE CONNECTED TO #1 ON WATER SOFTENER #2 TERMINAL STRIP. THE COMMON CONTACT ON THE MICRO SWITCH IN THE SOFTENER CONTROLLER IS ALREADY CONNECTED TO #6 ON ITS TERMINAL STRIP.
40	THIS WIRE IS CONNECTED TO THE STERILIZE KEY SWITCH, IF SUPPLIED WITH THE SYSTEM. THE OTHER SIDE OF THE KEY SWITCH IS CONNECTED TO #4 FROM THE R.O. SYSTEM.