



Programming the W900 for typical Boiler installation (Via Keypad):



Conductivity sensor

Bleed Relay (Intermittent Proportional Control)




Feed Relay

Flow switch to lockout controls when no flow

Setting your controller for HVAC mode.



1. From the Home screen, press 
2. Select Global Settings
3. Press the DOWN Arrow until HVAC Modes is highlighted.
4. Press Enabled, and then .

Programming the Conductivity Sensor




1. From the Main Menu, press  INPUTS
2. Select the sensor input that the conductivity sensor is wired to
3. Press 
4. Press the DOWN Arrow until Type is displayed
5. Press Type
6. Use the DOWN Arrow to select Contacting Conductivity, and press the .





Programming the relay for Boiler Control: Intermittent Sampling

1. From the Main Menu, press Outputs
2. Choose the relay for the blowdown valve
3. Press 
4. Press the DOWN Arrow until Mode
5. Press Mode and choose Intermittent Sampling, and ✓
6. Press  again
7. Here is where you program:
 - a. Set point
 - b. Proportional Band: The value above the set point where max blowdown time occurs
 - c. Sample Time: Length of the sample period
 - d. Hold Time
 - e. Max Blowdown: Maximum time the valve will open for when conductivity reaches Set point + Prop Band
 - f. Wait Time: Time between samples. For example, a wait time of 4 hours means that the controller will sample every 4 hours.
 - g. Sensor Input: Select the Conductivity Sensor and press ✓
8. Press UP or DOWN Arrow, then HOA Setting. Select AUTO

Programming Inhibitor Feed

1. From the main menu, press  **Outputs**
2. Select the relay you want to use for the inhibitor feed pump
3. Press 
4. Press the DOWN Arrow until you get to MODE
5. Choose the feed mode you want, and then ✓
6. Press  again.
7. If you set the mode for Bleed and Feed, press the Down Arrow until you get to Bleed
8. Press Bleed, and then select the relay that has been programmed for the bleed valve.
9. Press ✓
10. Press the UP or DOWN Arrow, then HOA setting. Select Auto

**Programming a flow-switch interlock (digital input)**

1. From the Main Menu press Inputs
2. Press the DOWN arrow until you get to the desired digital input
3. Press 
4. DOWN Arrow until Type
5. Press Type, then DI state
6. Press  again. In this menu you choose when to interlock: Open or Closed. You can also choose a custom message for when the switch is open and closed.
7. In each relay menu, you can choose which inputs you want to interlock with.