



Configure W100 for Boiler: Intermittent Sampling Monitoring

The W100 is menu-driven programming.

Theses icons appear on the Home screen.


















































































	Alarm Menu	
	Inputs Menu	
	Outputs Menu	
	Configurations/Settings menu	

1. First, set the controller to enable HVAC mode.

On the HOME screen, Press	
Press on Global Settings	
Press until you see HVAC Modes	
Press on HVAC Modes	
Press to enable HVAC mode	





































































































2. Select and configure sensor type for Contacting Conductivity

<p>On the HOME screen, Press </p>	<table border="1"> <tr> <td colspan="5"> Alarms(1)</td> </tr> <tr> <td colspan="5">Sensor (S1)</td> </tr> <tr> <td colspan="5">Temp (S2)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	 Alarms(1)					Sensor (S1)					Temp (S2)									
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<p>Press  until "Type" is highlighted.</p>	<table border="1"> <tr> <td colspan="5">>>Input (S1) > Settings</td> </tr> <tr> <td colspan="5">Name</td> </tr> <tr> <td colspan="5">Type Generic</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	>>Input (S1) > Settings					Name					Type Generic									
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3. Program and configure Bleed Relay for Intermittent Sampling:

<p>On the HOME screen, Press </p>	<table border="1"> <tr> <td colspan="5"> Alarms(1)</td> </tr> <tr> <td colspan="5">Sensor (S1)</td> </tr> <tr> <td colspan="5">Temp (S2)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	 Alarms(1)					Sensor (S1)					Temp (S2)									
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<p>Press  to select the relay that will be controlling the blow down valve.</p>	<table border="1"> <tr> <td colspan="5">Outputs</td> </tr> <tr> <td colspan="2">Bleed (R1)</td> <td colspan="3">Off</td> </tr> <tr> <td colspan="2">Inhibitor (R2)</td> <td colspan="3">Off</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Outputs					Bleed (R1)		Off			Inhibitor (R2)		Off							
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4. Program the relay for Intermittent Sampling :

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<p>Press  to select the desired relay output.</p>	<table border="1"> <tr> <td colspan="5">Outputs</td> </tr> <tr> <td colspan="2">Bleed (R1)</td> <td colspan="3">Off</td> </tr> <tr> <td colspan="2">Inhibitor (R2)</td> <td colspan="3">Off</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Outputs					Bleed (R1)		Off			Inhibitor (R2)		Off							
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<p>Press  until the Setpoint is highlighted.</p>	<table border="1"> <tr> <td colspan="5">>> Bleed (R1)> Settings</td> </tr> <tr> <td colspan="2">HOA Setting</td> <td colspan="3">Off</td> </tr> <tr> <td colspan="2">Setpoint</td> <td colspan="3">1000µS/cm</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	>> Bleed (R1)> Settings					HOA Setting		Off			Setpoint		1000µS/cm							
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Cancel the change	Increase the \value	Decrease the \value	Move the Cursor	Accept the Cursor																	
<p>Edit the Setpoint.</p> <p>Press  to accept.</p> <p>Repeat the process to program Prop Band, Sample Time, Hold Time and Max Blow down. (The Wait Time is the time between samples).</p>																					



5. Assign the conductivity sensor to the bleed (blow down) relay:

<p>On the HOME screen, Press </p>	<table border="1"> <tr> <td colspan="5"> Alarms(1)</td> </tr> <tr> <td colspan="5">Sensor (S1)</td> </tr> <tr> <td colspan="5">Temp (S2)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	 Alarms(1)					Sensor (S1)					Temp (S2)									
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<p>Press  until the Conductivity sensor configured in Step 2 is highlighted.</p>	<table border="1"> <tr> <td colspan="5">>> On/Off (R1)> Input</td> </tr> <tr> <td colspan="5">None</td> </tr> <tr> <td colspan="2">CCond (S1)</td> <td colspan="3"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	>> On/Off (R1)> Input					None					CCond (S1)									
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