



## Programming the WCTW100 for Cooling Tower application

These icons appear on the Home screen:



**Alarm Menu**



**Inputs Menu:** Direct sensor inputs, digital inputs



**Outputs Menu:** Relays



**Configurations/Settings menu**

### 1. Confirm the controller is in HVAC mode.

Press the  key, and then  at **Global Settings**.

Use the down arrow  until you get to **HVAC Modes**.

Press  and then  to enable **HVAC Mode**.

### 2. Select and configure sensor type for Contacting Conductivity

From **HOME**, press , , ,  until **Type** is highlighted.

Press  and then  until **Contacting Cond** sensor type is highlighted. Press  to accept

Press , and then use the  to select and program the sensor alarms.



### 3. Select and configure Bleed Relay for On/Off Set Point:

From **HOME** Press , Press  to select the relay that will be controlling the blow down valve.

Press  >  >  until you get to the **MODE**.

At **MODE**, press  then press  until you've highlighted **On/Off**. Then press  to accept.

Press .

Highlight **HOA Setting**, and press . Using the right arrow key, select **Auto**, and then .

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

From **HOME**, press  and then Press  to select desired relay output

Press , then press . Press  until **INPUT** is highlighted.

Press  and then  until the Conductivity sensor configured in Step 1 is highlighted.

Press  to accept.

### 5. Programming the Inhibitor Feed relay:

From **HOME**, press  and then Press  to select desired relay output.

Press , then press . Press  until **MODE** is highlighted.

Press  and then  to choose the **Feed** mode. Choices include **Bleed and Feed**, **Bleed then Feed**, and **Flow Timer**.

Highlight the desired **Feed** mode, press  to accept. Press . If you choose **Bleed and Feed**, or **Bleed then Feed**, press  until **Bleed** is highlighted.

Press  and  again to highlight the **Bleed** relay. Press  to accept. . Then press .

Highlight **HOA Setting**, and press . Using the right arrow key, select **Auto**, and then .

Press  to program your feed settings, interlocks, etc.



## 6. Programming Biocide Additions:

From HOME, press  and then Press  to select desired relay output.

Press , then press . Press  until MODE is highlighted.

Press  and then  to choose Biocide Timer.

Press , then . Use the  to select and program your biocide events.

In the Biocide Timer relay program you select the time cycle to repeat the biocide feed event.

**Event 1 Repetition:** Select the time cycle to repeat the biocide feed event. Daily, 1 Week, 2 Weeks, or 4 Weeks or None.

*An event means that the output is turned on at the same time of day, for the same amount of time, and except for the Daily cycle, on the same day of the week.*

**Event 1 Week:** If Event Repetition is Daily or 1 Week, select N/A. For longer cycles, select the week during when the event will occur.

**Event 1 Day:** If the Event Repetition is Daily, select N/A. For longer cycles, select the day of the week during which the event will occur.

**Event 1 Start Time:** Enter the time of day to start the biocide feed event. The event begins with the pre-bleed if applicable, then the chemical feed, then the Bleed Lockout.

**Event 1 Duration:** Enter the amount of time that the biocide chemical pump will be on.

***Repeat for up to 10 Events!!***