Design Change Notification

Date: August 2, 2021

Document #: DCN-138 - Controller Change from Red Lion to Watlow

Subject: All models of Thermablock™ Electric Vaporizer will change from a Red Lion temperature controller to a Watlow temperature controller

Background: Chart Inc. is migrating all Thermablock vaporizers to use Watlow temperature controllers in place of Red Lion temperature controllers on all Thermablock electric vaporizers. The Watlow temperature controllers add a Bluetooth® connection feature to adjust settings more easily. This change also serves to standardize temp controllers across all models of Thermablock.

Products Affected: All Thermablock Model Electric Vaporizers

Description: No change or adjustment is needed in the field for units with either controller model. Reference the Thermablock User Manual for the default parameters for each controller model. When replacing a controller for service, controllers should be replaced with their original respective models. Watlow models PM6C2EJ-BLCJDAA and PM6C2EJ-BLCJPWP are interchangeable.

Thermablock Combo (TBC) models are all built using Watlow controllers. There are no TBC models equipped with Red Lion controllers. For the remaining Thermablock models (TBV, TBP, and TBT), Watlow controllers will be implemented across these various models of Thermablock on a rolling basis over the coming months.

Table 1. Thermablock Controller Models

Chart PN	Description	Model Number
P1-0002-052	Red Lion Temperature Controller	PXU11A20
P1-0002-053	Watlow Temperature Controller	PM6C2EJ-BLCJDAA or PM6C2EJ-BLCJPWP

The Bluetooth function of the Watlow controllers can be turned on or off by following the steps below:

Steps for Watlow model PM6C2EJ-BLCJDAA:

1. Enter the setup page by pressing and holding ⬆ and ⬇ until SEt appears in the lower display. (LoC will appear for PM Express)

2. Press ⬆ several times until 𝗀𝖫𝖻𝖫 appears in the upper display. (Skip this step for PM Express)

3. To enter the global menu press ↻. (Skip this step for PM Express)

4. Press ↻ several times until 𝖻𝗍𝗍𝗁 appears in the lower display.

5. Press ⬆ to turn Bluetooth® to 𝗈𝗇 or 𝗈𝖥𝖥.

6. To exit the setup page press ∞ or RESET twice.

Steps for Watlow model PM6C2EJ-BLCJPWP:

1. Enter the setup page by pressing ▷.

2. Press ▭ several times until **Setup** is selected and press ▷ to enter menu.

3. Press ▭ several times until **Global** is selected and press ▷ to enter menu.

4. Press ▭ several times until **Bluetooth** is selected and press ▷ to enter menu.

5. Press ✚ or ▭ to turn Bluetooth® to **On** or **Off**.
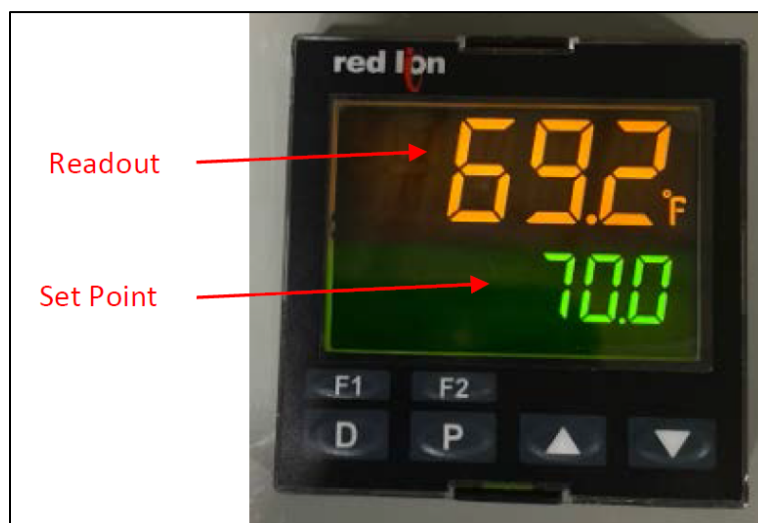
6. To exit the setup page press ⌂ or ◁ four times.

Figure 1. Red Lion Controller

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Figure 2. Watlow Controller Models: PM6C2EJ-BLEJDAA (left) or PM6C2EJ-BLCJDAA (right)

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