



**IMPORTANT FOR FUTURE REFERENCE**

Please complete this information and retain this manual for the life of the equipment:

Model #: \_\_\_\_\_

Serial #: \_\_\_\_\_

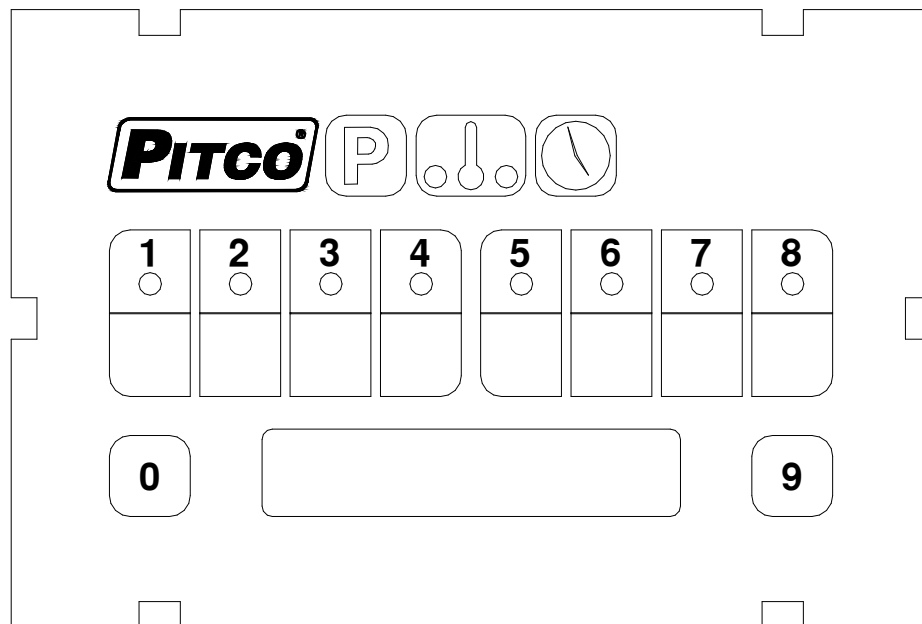
Date Purchased: \_\_\_\_\_

**ENGLISH**

# Operations Manual

## I8 Water Cooker Computer

Covering (P/N PP11375)



This manual details the operation and adjustment of the I8 Water Cooker computer developed for the Pitco water cooker and rethermalizer products. This microprocessor control offers the latest cooking technology, including temperature and time compensation that requires no user adjustments for consistently cooked product. Other features include, drain valve interlock, faulty probe detection, selectable melt cycles, beeper volume, and cook temperature. Each product key may be programmed with cook, shake and hold times to keep pace with changing menus over time.

**The target audience for this manual is the Store Manager.**

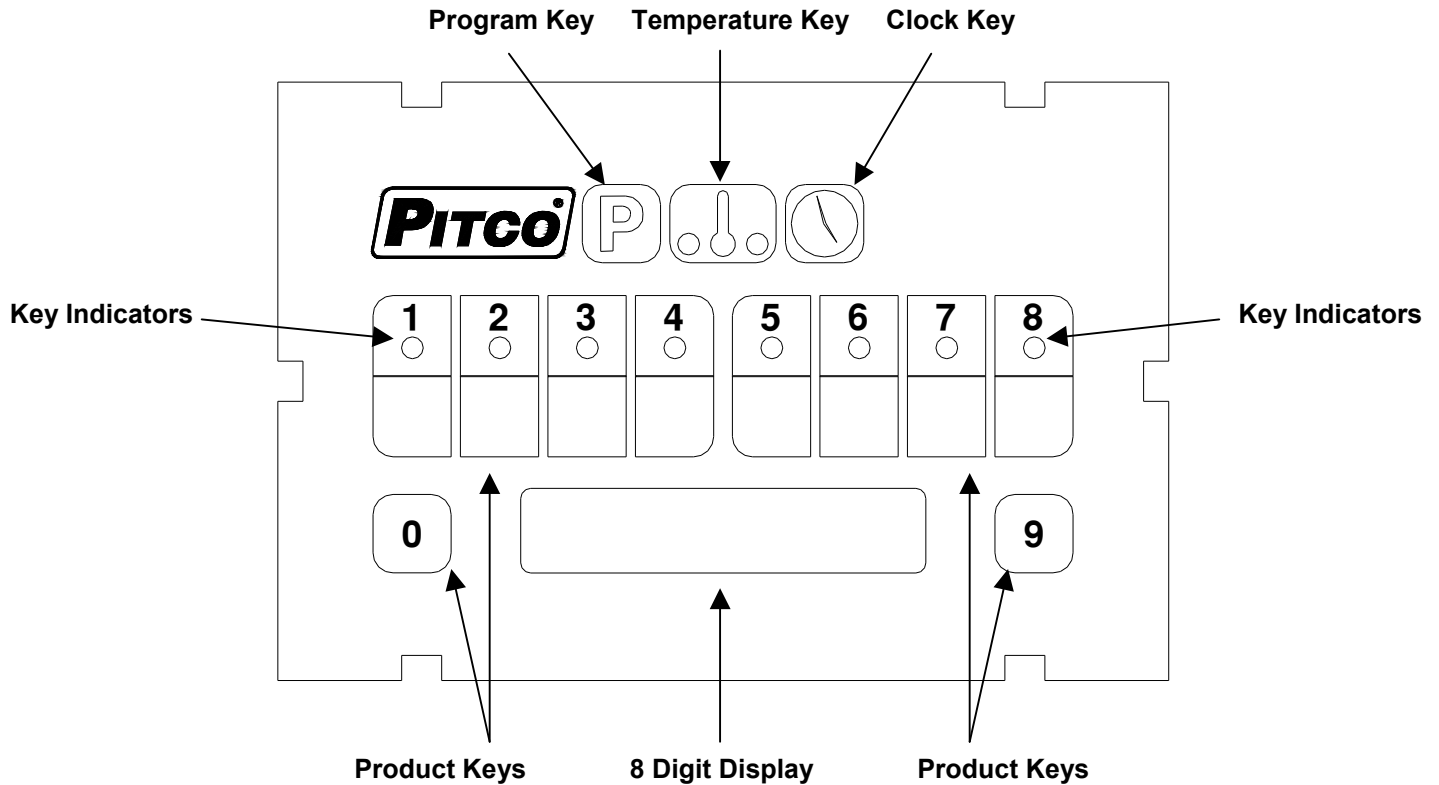
Service technicians requiring more diagnostics will use L22-303 Service Manual I8 Water Cooker Computer



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## 1.0 Key Locations and Functions:



### 1.1 To turn the appliance ON:

If power is applied to the appliance(plugged in) and the control is off, the display will be blank. Turn on the control by pressing the power on/off switch located on the right side of the control to the ON position. The control will then briefly display the software version number, and then display either [READY], [ACT xxx'F] (where xxx is the current vat temperature) or [FILLING] if the appliance is being filled with water.

### 1.2 To turn the appliance OFF:

Press the power on/off switch to the OFF position. The control display will be blank.

### 1.3 To start a cook:

When the control display shows either [READY] or [ACT xxx'F], press the desired product key. For example, press product key 4 to start cook timer 4. The key indicator above the product key will begin to flash, and the cook timer should appear on the computer display. If multiple cook timers are running, the cook timer with the least amount of time remaining will be displayed.



### 1.4 To cancel a cook:

Press the product key to cancel a running cook timer. If there are no other cook timers running, the computer will return to normal operation and display either [READY] or [ACT xxx'F] (where xxx is the current vat temperature).

### 1.5 To Check Actual and Set Temperatures:

Press the temperature key to check the actual vat temperature. The control will



momentarily display [ACT xxx°F] (where xxx is the current vat temperature) and then return to normal operation. To view the set temperature, press the thermometer key twice. The control will momentarily display [SET xxx°F] (where xxx is the set temperature), and then return to normal operation and display either [READY], or [ACT xxx°F].



### 1.6 To view the current Cook, Shake and Hold timer settings:

To view the current Cook, Shake and Hold timer settings for a cook timer, press the clock key, followed by the desired product key for which you want to check the time settings. For example, press the clock key, then product key 4. The control will display [TM4 mm:ss] (where mm:ss is minutes:seconds), then [SH4 mm:ss] and [HD4 mm:ss] as the current time settings for product key 4.



## 2.0 To enter Level 1 Programming(store manager):

Note: The factory default setting for this control does not require an operator password to be entered. However, the operator password requirement and value may be changed in section 3.2. Entry of a password when NOT required will not interfere with the programming process.

While there are no cook timers running, and the control display shows either [READY], [ACTxxx°F], or [FILLING ], press the program key. If the control displays [PASS ], enter the manager password(or the default manager password **6684**) using the product keys 0-9. The control display will show [PROGRAM ].



All of the Level 1 Menu programming options shown below must begin with the control displaying this prompt [PROGRAM ].

### 2.1 To set the Cook Temperature:

With the control display showing [PROGRAM], press the thermometer key once. The control display will show [SET xxx°F] where xxx is the current setpoint temperature.



Enter the new set temperature using the product keys 0-9. Press the program key once to save this setting. The control display will show [PROGRAM ]. Continue on to the next Level 1 Menu programming option below, or press the program key again to exit it out of the Level 1 Menu. The control display will show either [READY], [ACT xxx°F], or [FILLING ] and the control will return to normal operation.



## 2.2 To change Cook, Shake and Hold Timer settings:

### 2.2.1 Cook Time

With the control display showing [PROGRAM], press the clock key. The display will show [SELECT] and all eight key indicators will light up. Press the desired product key for the cook time to change. For example, press product key 4. The control display will show [4TM mm:ss], indicating that Cook Timer 4 has a timer setting of mm:ss in minutes:seconds. Enter the new cook time using the product keys 0-9. Press the clock key to save/exit this setting and



proceed to the next step(2.2.2) or press the program key three times to exit out of this programming option and to return to normal operation.

To deactivate the cook timer on a product key, enter in a cook time of zero for this key.

### 2.2.2 Shake Time

Shake Time is an alarm that sounds while a cook timer is running to prompt an operator to shake the product in the basket. The default value for shake time on a product key is zero, which disables this alarm. To enable the shake time alarm, a non-zero value must be entered for this setting. The shake time value must be less than the cook time.

With the display showing [nSH mm:ss] (where n is the desired product key, SH means Shake and mm:ss is the time value in minutes:seconds), enter the new shake time value using the product keys 0-9. NOTE: the time value entered will be the time remaining before the end of the cook.

Press the clock key to save/exit this setting and proceed to the next step(2.2.3) or press the program key three times to exit out of this programming option and return to normal operation.



### 2.2.3 Hold Time

After a product is cooked, it may stand in bins for a period of time. Hold Time provides a timer to control how long a product stands in a bin. After the hold timer expires, an alarm will sound to inform the operator to cook more product. The default value for hold time on a product key is zero, which disables this alarm/timer. To enable the hold timer/alarm, a non-zero value must be entered for this setting.

With the display showing [nHDh.mm:ss] (where n is the desired product key, HD means Hold and h.mm:ss is the time value in hours.minutes:seconds), enter the new hold time value using the product keys 0-9.

Press the program key three times to save and exit out of this programming option. The control display will show either [READY], [ACT xxx'F], or [FILLING ] and the control will return to normal operation.



## 3.0 To enter Level 2 Options Programming(store manager):

Note: The factory default setting for this control does not require an operator password to be entered. However, the operator password requirement and value may be changed in section 3.2. Entry of a password when NOT required will not interfere with the programming process.

While there are no cook timers running, and the control display shows either [READY], [ACT xxx'F], or [FILLING ], press the program key. If the control displays [PASS ], enter the manager password(or the default manager password 6684) using the product keys 0-9. The control display will show [PROGRAM ]. To enter into the Level 2 Options Menu, press product key 0. The control display will show [SELECT ].



The key indicators that light up will have options that can be adjusted. Any key indicators that do not light up do not have options that can be adjusted.

All of the Level 2 Options Menu programming options shown below must begin with the control displaying this prompt [SELECT ].

### **3.1 Fahrenheit or Celcius Temperature Display:**

This control will display temperatures in Fahrenheit(°F).or Celsius(°C) degrees. The default setting is degrees Fahrenheit(°F).

With the control display showing [**SELECT** ], press product key 1. The display will show [**DEGREE n**] where **n** is the current setting, either **F** or **C**. Press the 0 key to scroll between the two options. Press the program key to save the setting. The control display will show [**PROGRAM** ]. Press product key 0 to select more options below(display shows [**SELECT** ]) or press the program key to return to normal operations(display shows either [**READY**], [**ACT xxx'F**], or [**FILLING** ]).



### **3.2 Password Settings:**

The factory default setting for this control is password disabled. The default factory password for Level 1 and Level 2 programming is **6684**. This default password will always work, regardless of the new password that can be entered using this option.

With the control display showing [**SELECT** ], press product key 2. The display will show [**SET PASS**]. Press product key 0 to scroll between the two options [**PASS REQ**], and [**NO PASS** ]. Press the program key to save this setting.



If the [**NO PASS** ] option was selected, the control display will show [**PROGRAM** ]. Press product key 0 to select more options below(display shows [**SELECT** ]) or press the program key to return to normal operations(display shows either [**READY**], [**ACT xxx'F**], or [**FILLING** ]). If the [**PASS REQ**] option was selected, the display will show [**PASSxxxx**], where **xxxx** is the current password. Enter the new password using the product keys 0-9. Press the program key. The control display will show [**PROGRAM** ]. Press product key 0 to select more options below(display shows [**SELECT** ]) or press the program key to return to normal operation(display shows either [**READY**], [**ACT xxx'F**], or [**FILLING** ]).

### **3.3 Beeper Volume Setting:**

The volume setting of the beeper(alarm) can be set to low(1), medium(2) and high(3). The default value for the beeper volume is 3. With the control display showing [**SELECT** ], press product key 3. The display will show [**VOLUME x**] where **x** is the current volume setting. Press product key 0 to scroll through the volume options. The control will beep using the volume setting currently shown on the display. Press the program key to save this setting. The control display will show [**PROGRAM** ]. Press product key 0 to select more options below(display shows [**SELECT** ]) or press the program key to return to normal operation(display shows either [**READY**], [**ACT xxx'F**], or [**FILLING** ]).



### **3.4 Language Selection:**

This control can display text in English, Spanish, French, German and Dutch.

With the control display showing [**SELECT** ], press product key 4. The display will show the current language setting of either [**ENGLISH**], [**ESPANOL**], [**FRANCAIS**], [**DEUTSCH**], or [**HOLLANDS**]. Press product key 0 to scroll through the language options. Press the program key to save this setting. The control display will show [**PROGRAM** ]. Press product key 0 to select more options below(display shows [**SELECT** ]) or press the program key to return to normal operation(display shows either [**READY**], [**ACT xxx'F**], or [**FILLING** ]).



### **3.5 Control or Timer Mode Setting:**

This control can operate in one of two basic modes, Control or Timer mode. The default mode setting is Control mode, and is the setting for normal operation. In this mode, the cook timers are active and the heat control outputs are enabled to control the heating of the vat. In Timer mode, the cook timers are active, but the heat control outputs are disabled.

NOTE: Do not use the Timer mode setting on Solstice fryer models.

With the control display showing [SELECT ], press product key 7. The display will show the current setting of either [CONTROL ] or [TIMER ]. Press product key 0 to scroll between the two options. Press the program key to save this setting. The control display will show [PROGRAM ]. Press product key 0 to select more options below (display shows [SELECT ]) or press the program key to return to normal operation (display shows either [READY], [ACT xxx°F], or [FILLING ]).



### **4.0 Control Alarm Displays:**

This control continually monitors the basic overall functions of the appliance. If any faults are detected, the control will turn all outputs OFF, suspend any cooking functions that may be in progress and sound an alarm. One of several alarm messages detailed below will appear on the control display. If one of these alarms occur, turn off the control (see section 1.2) to reset the alarm.

#### **4.1 Open Probe Alarm:**

[PROBE OP]. Open temperature probe detection is standard on all Pitco controls. This alarm will occur if the temperature probe is detected to be open. All heating and cooking functions are suspended if this alarm occurs.

#### **4.2 High Temperature Alarm:**

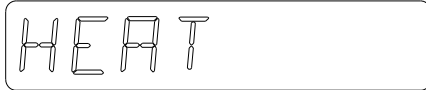
[HIGH TMP]. This alarm will occur if the vat temperature exceeds the set temperature value by 35°F. If a high vat temperature alarm occurs, all heating and cooking functions are suspended.

#### **4.3 Drain Valve Alarm:**

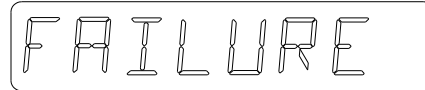
[DRAINING] and [TURN OFF] (alternating). This alarm message will appear on the control display if the drain valve on the appliance is opened while the control is ON. All heating and cooking functions are suspended if this alarm occurs.

**4.4 Heat Failure Alarm:**

[HEAT] and [FAILURE] (alternating). This alarm will occur if the control does not sense a pilot flame or if the high limit switch has tripped and needs resetting. All heating and cooking functions are suspended if this alarm occurs.



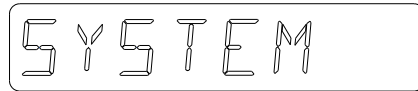
HEAT



FAILURE

**4.5 System Failure Alarm:**

[SYSTEM]. This alarm will occur if the control detects a shorted temperature probe. All heating and cooking functions are suspended if this alarm occurs.



SYSTEM









In the event of problems with or questions about your order, please contact the Pitco Frialator factory at (800)258-3708 US and Canada only or (603)225-6684 Worldwide.

[www.pitco.com](http://www.pitco.com)

In the event of problems with or questions about your equipment, please contact the Pitco Frialator Authorized Service and Parts(ASAP) covering your area, or contact Pitco at the numbers listed to the left.

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