

Thermo-Kool®

OWNER'S MANUAL

TK4700/TK4700HL ALARM SYSTEM



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CONTROL PANEL



ROOM SETUP

Press and hold  until the display shows .

Enter the default password by pressing in order: , , & , then press .

The display will show **Room Location**:

 Select  or  for **Room Location**, then press .

The display will show **Room Number**:

 Select  or  for **Room Number**, then press .
(Range value: 1-8)

The display will show **Door Number**:

 Select  or  for **Door Number**, then press .
(Range value: 1-16)

The display will show **Type of Room**:

 Select  or  for **Type of Room**, then press .

The display will show **Edit Front Name**:

 Select  or  for **Edit Front Name**, then press .

If **YES** was selected, the display will show **Front Room Name**:

 Select  or  to change each character, then press .

Once the new name has been entered, press  again.

NOTE: If **BACK LOCATION** was selected, **Room Setup** programming will end and will return to the temperature display.

If **FRONT LOCATION** was selected, the display will show **List Devices**:

List Devices
No

Select  or  for **Yes** or **No**, then press .

This option allows the user to setup a connected back room or second probe.

Select  or  to change **List Devices**, then press .

If no **Back ROOM** is connected, the display will show **Unit(s) Detected**: **Room_ Door_**

If **Back ROOM** unit(s) are detected, the display will show the following options:

Unit(s) Detected
Room2 Door1

Select  or  to choose alarm to pair with, then press .

The display will show **Edit Pair Name?:**

EDIT PAIR NAME?
No

Select  or  for **Yes** or **No**, then press .

This display allows the user to change the name of the back room or second probe.

NOTE: If **NO** was selected, the unit will refer to the back room by the corresponding room and door number.

If **YES** was selected, the display will show:

PAIR ROOM NAME
Room2_ _ Door1_ _

Select  or  to change each character, then press .

Name can contain up to two words, seven characters each.

When done, press  again.

The controller will return to the temperature display.

NOTE: If communication is interrupted between front and back alarms, and does not re-establish automatically, follow instructions to **List Devices** on **Page 3**.

PROGRAMMING

Press and hold  until the display shows .

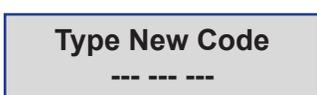
Enter the default password by pressing in order: , , & .

The display will show . Press .

The display will show **Change Code:**

 Select  or  for **Yes** or **No**, then press .

If **No** was selected, the display will skip to Programming.

If **Yes** was selected, the display will show .

Enter a new password by pressing the following in any order: , , . Then press .

The display will show .

Re-enter your new password, then press .

The display will show .

The display will show **Real Time Clock:**

 Select  or  for **Yes** or **No**, then press .

If **YES** was selected, the display will show **Set RTC Year:**

 Select  or  for **Year**, then press .

The display will show **Set RTC Month:**

Set RTC Month
9

Select  or  for **Month**, then press .

The display will show **Set RTC Day:**

Set RTC Day
21

Select  or  for **Day**, then press .

The display will show **Set RTC Time:**

Set RTC Time
12:25 PM

Select  or  for **Time**, then press .

The display will show **Door Heater:**

DOOR HEATER
Yes

Select  or  for **Yes** or **No**, then press .

If **YES** was selected, the display will show **DH Start Air Temp:**

DH Start Air Temp
45°F

Select  or  for **Temperature**, then press .

(Range value: **0°F - 150°F**)

This means the air temperature door heater will start if the temperature is **45°F** or below. The default temperature is **45°F**.

The display will show **DH Percentage:**

DH Percentage
50%

Select  or  for **Percentage**, then press .

(Range value: **0% - 100%**)

The DH Percentage is the percentage of time during the ten minute cycle that the heater will remain on.

If **Cooler** was selected during **Room Setup**, the next two displays will show **Cooler Al. High**:

Cooler Al. High
45°F

Select  or  for **Temperature**, then press .
(Range value: **41°F - 55°F**)
This is the temperature at which the alarm will sound.

The display will show **Cooler Al. Low**:

Cooler Al. Low
32°F

Select  or  for **Temperature**, then press .
(Range value: **20°F - 40°F**)
This is the temperature at which the alarm will sound.

If **Freezer** was selected during **Room Setup**, the next two displays will show:

Freezer Al. High
15°F

Select  or  for **Temperature**, then press .
(Range value: **0°F - 35°F**)
This is the temperature at which the alarm will sound.

The display will show **Freezer Al. Low**:

Freezer Al. Low
-25°F

Select  or  for **Temperature**, then press .
(Range value: **-45°F - -5°F**)
This is the temperature at which the alarm will sound.

The display will show **Air Alarm Delay**:

Air Alarm Delay
60 min

Select  or  for **Minutes**, then press .
(Range value: **0 - 60**)
This is the time delay when the high temperature alarm is reached.

The display will show **LightAutoOffTime**:

LightAutoOffTime
30 min

Select  or  for **Minutes**, then press .
(Range value: **'-' - 60**)
This is the amount of time before the light shuts off.

NOTE: By selecting **'-'** the light will not shut off automatically.

The controller will return to the temperature display.

TECHNICIAN MENU

Press and hold  until the display shows .

Enter the default password by pressing in order: , , & .

The display will show . Press .

The display will show **Temp Unit:**

 Select  or  for F or C, then press .

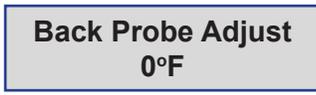
Note: Selection made here will effect **ALL** system parameters.

The display will show **Front Probe Adjust:**

 Select  or  for **Temperature**, then press .

(Range value: -15°F - 15°F)

The display will show **Back Probe Adjust:**

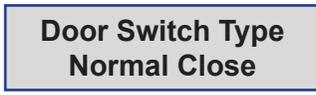
 Select  or  for **Temperature**, then press .

(Range value: -15°F - 15°F)

The display will show **Door Switch:**

 Select  or  for **Yes** or **No**, then press .

The display will show **Door Switch Type:**

 Select  or  for **Door Switch Type**, then press .

The display will show **Door AI. Time:**

Door Al. Time
5 min

Select  or  for **Yes** or **No**, then press  .
(Range value: 0 - 60)

The display will show **Dry Cont. Reset**:

Dry Cont. Reset
No

Select  or  for **Yes** or **No**, then press  .

NOTE: If you selected **No**, then the dry contact will change status and remain in the new position until the alarm is resolved. If you selected **Yes**, then the dry contact will change status, but will change back to the original status.

The display will show **Motion Detection**:

Motion Detection
No

Select  or  for **Yes** or **No**, then press  .

The display will show **Event Time Int**:

Event Time Int
15 min

Select  or  for **Minutes**, then press  .
(Range value: 1 - 60)

This is the interval at which the unit records information for HACCP Documentation.

The display will show **Clear Event**:

Clear Event
No

Select  or  for **Yes** or **No**, then press  .

The controller will return to the temperature display.

LOAD STANDARD

Press and hold  & .

The display will show **Load Standard:**

Load Standard?
No

Select  or  for **Yes** or **No**, then press .

Restores alarm to default factory settings.

The controller will return to the temperature display.

HACCP DOWNLOAD

NOTE: This function works only for **TK4700HL** alarms.

Insert USB Flash Drive in the USB slot and press .

The display will show **Save Events:**

Save Events?
No

Select  or  for **Yes** or **No**, then press .

If **Yes** was selected, all HACCP data was saved to the USB Flash Drive in the form of a .txt file.

The controller will return to the temperature display.

ALARM DISPLAYS

COOLER FRONT ALARM HIGH 45°F	Cooler High Alarm
COOLER FRONT ALARM LOW 29°F	Cooler Low Alarm
FREEZER FRONT ALARM HIGH 15°F	Freezer High Alarm
FREEZER FRONT ALARM LOW -25°F	Freezer Low Alarm
POWER FAILURE ALARM !	Power Failure
ALARM FRONT PROBE NG	Probe Not Good
ALARM DOOR OPEN! TIME 0:28	Door Open (When Door Al. Time is set to 0)
DOOR IS OPEN!	Door Open (When Door Al. Time is > 0)
COOLER BACK ALARM HIGH 50°F	Cooler High Alarm Back
COOLER BACK ALARM LOW 29°F	Cooler Low Alarm
FREEZER BACK ALARM HIGH 15°F	Freezer High Alarm
FREEZER BACK ALARM LOW -25°F	Freezer Low Alarm
PAIR COMM FAIL! Room 1 Door1	Lost Communication

