Temp Minder™ Users Guide

Contents

Introduction

Food service requires the monitoring of temperatures of refrigeration systems, heated holding units and food products. Currently these temperatures are being recorded manually by the operator or not at all.

The Temp Minder Color™ system continuously monitors temperature of equipment in food service areas. Wireless temperature transmitters are placed in refrigeration and hot holding units and the temperatures are shown on a display on site. If the temperature moves outside the set limits an alarm will alert the users. The display has an integrated internet gateway that sends the temperature data to the Temp Minder web site for automatic report generation, off site alarm notification and archiving of temperature data.
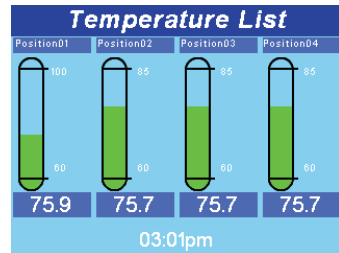
Operation

Temperature List Screen

Power on your Temp Minder System, press the List button on the keypad. Press "Next" or "Prev" on the touch screen to scroll from page to page.

The following probe status information appears on list screen:

- Probe Name

- Current Temperature

- High Temperature Limit

- Low Temperature Limit

## The following alert conditions may also appear:

- Probe Displays Green – Temperature is within the High and Low limits.

- **Probe Displays Yellow** – Temperature is out of range (High or Low) but not in alarm

- **Probe Displays Red** – Temperature is out of range (High or Low) and in alarm

- **LOS(Loss of Signal)** – No signal has been received from the probe

- **Low Bat(Low Battery)** – The probe's battery life is running low and the battery must be replaced
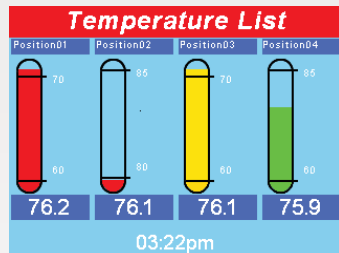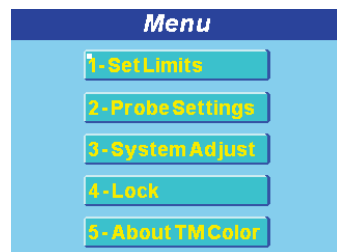
Alarm screen

If a monitored probe's temperature reaches past its High limit or Low limit, an alarm will occur. To silence the alarm, press the continue key on the touch screen.
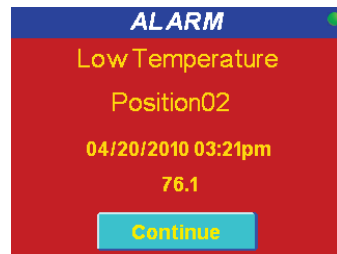
Menu

To access the Menu Screen press "Menu" on the keypad. Select any of the Menu Options by touching the screen.

1 - Set Limits

The following probe parameters can be edited from the set limits screen. (Any value that appears in blue can be edited by pressing the color touch screen and using the keypad or number pad that appears on the color touch screen).

•Probe Name – Edit the name of the probe.

• High – Maximum temperature the probe can be

• Low – Lowest temperature the probe can be

• On – The time of day to turn on temperature monitoring

• Off - The time of day to turn off temperature monitoring

• Alarm Delay – The amount of time a probe can be above the temperature of the high limit or below the temperature of the low limit before an audible alarm turns on.

•# of missed signals - Number of consecutive lost signals from the probe prior to an LOS condition occurring.

•Last Alarms – Displays the time and date the last time an alarm condition occurred

Set Limits	Last Alarm
01-Position01	Position01
S/N 01389	
High 100 On 12:00 AM	04/20/2010 03:19pm for 00:01
Low 60 Off 12:00 AM	High Temp 76.2
Alarm Delay 00:15	
# of missed signals 12	
Last Alarms Next	Back

2 - Probe Settings
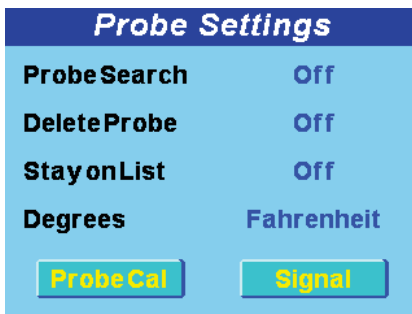
Change the settings by simply touching the screen

• Probe Search – Turn the probe search feature to on, off or auto (set to "off". Change to "auto" or "on" only when adding new probes)

• Delete Probe – Turn the delete probe feature on or off (set to "off". Change to "on" only when deleting probes)

• Stay on List – Set to "on" to display the temperature list screen only, set to "off" to display the "All probes in Range" screen

• Degrees – Change temperature display from degrees F to degrees C

Probe Cal

Allows for calibration of the probes (Refer to calibration document for details)

Signal

Display the probe name, the temperature, and the time in seconds since the last signal was received from each probe. (Used for installation/troubleshooting)
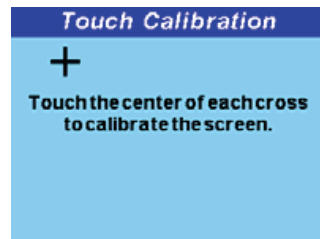
3 - System Adjust

Adjust volume and brightness by touching the screen
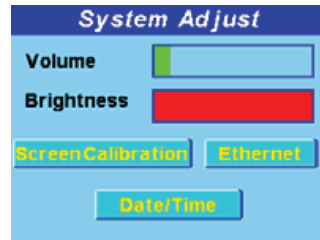
Screen Calibration

Calibrate the color touch screen by following the on screen instructions
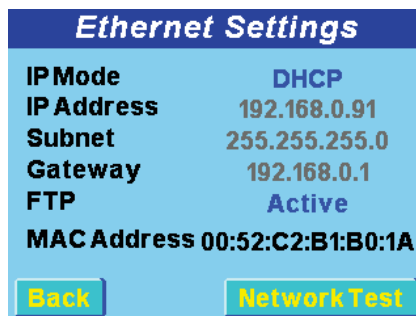
Date/Time

Adjust date and time settings

Ethernet

Connecting your Temp Minder Color to the internet is easy

• On the System Adjust screen press the icon labeled "Ethernet"

• On the Ethernet Settings Screen all IP Parameters can be verified or changed by simply touching the screen
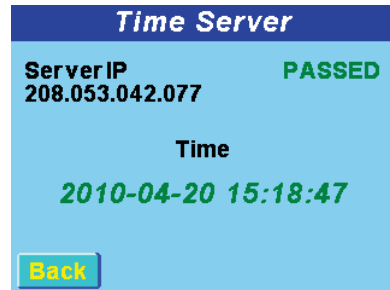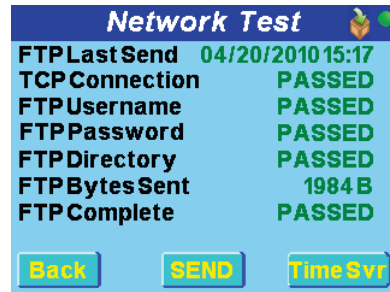
Network Test

• Press the send icon on the network test screen to test the connection to the FTP.

•Press the "Time Svr" icon to test the connection to the time server.

• If either test fails, confirm that the internet cable is plugged in and refer to the Network Configuration Form to configure the internal network.

4 – Lock

Feel assured that no one is tampering with the Temp Minder Color's System settings
• Enter the Menu Screen
• Press the Lock button displayed on the list
• Enter the 5 digit Lock/Unlock password

5 – About TM Color

Display the serial number and software version number.
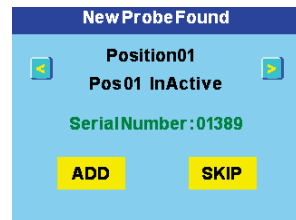
Adding and Deleting a Probe

Adding a Probe

• Check the probe settings and ensure that "Probe Search" is set to On
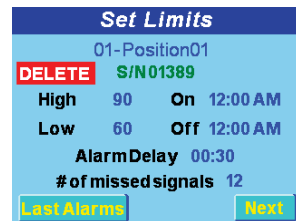
Pull out the plastic tab to turn on the probe.

• When the tab is pulled away a "New Probe Found" screen will display on the Temp Minder™.

• Press "ADD" to add the probe
Deleting a Probe

• Check the probe settings and ensure that "Delete Probe" is set to On

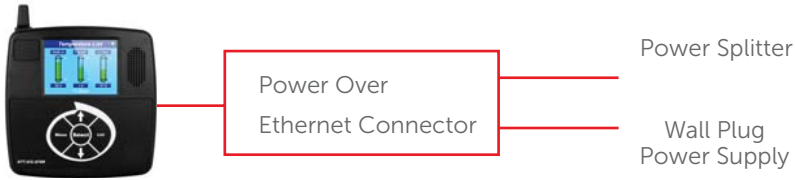• While on the Temperature List screen touch the probe that is to be deleted

• The set limits screen will display. Press "delete" to delete the probe.

• The display will ask you to confirm that you would like to delete the probe

• Press delete again to remove the probe or press cancel

New Probe Found
Position01
Pos 01 InActive
Serial Number : 01389
ADD   SKIP

Set Limits
01-Position01
DELETE   S/N 01389
High   90   On   12:00 AM
Low   60   Off 12:00 AM
Alarm Delay 00:30
# of missed signals 12
Last Alarms   Next

Delete Probe
Delete probe?
Position01
DELETE   Cancel

3 – Installation

Power Over Ethernet Connector

Power Splitter

Wall Plug Power Supply

4 – Specifications

Temp Minder Specifications

Physical

L – 6″ x H –6″ x H –1.2″ Weight 0.68 lbs or 11 oz

Power – 9 to 24VDC

Power Supply

Input - 105 VAC to 240 VAC Output - 9VDC output @ 1.66 amps

Memory/Mass Storage

2 GB Device Memory

Display

3.5 inch TFT 320 X 240 Resolution (QVGA) 256 s Touch Screen Contrast/Brightness software adjustable

Interface/Communications

RS232 Serial Interface to printer

10/100Base-T Ethernet Port TCP/UDP/IP supported

Power Splitter

Ambient Operating Environment

Temperature 41F to 104F (5C to 40C)

Humidity 30-85%

Audio

Speaker 20mm x 40mm 89db Volume adjustable

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