Remote Interface
Operation Guide

WG
WINE GUARDIAN®

"Cool" Symbol — Alarms

"Heat" Symbol — Battery Life

Settings & Defrost Area — Humidity

Temperature

On/Off Button — Up Button — Down Button — Settings Button

55 60 %RH

Controller Functions

ON/OFF — The ON/OFF button will be used to turn the system on or off. When set to OFF, the control will not allow any of the outputs to energize, effectively locking the system out. It should be noted that high voltage will still be present at the main control board at the Wine Guardian unit.

UP Arrow — The UP arrow will allow the user to increase setpoints (%RH and temperature).

DOWN Arrow — The DOWN arrow will allow the user to decrease setpoints (%RH and temperature).

SETTINGS — The setting button will be used to select between HEAT, COOL, and AUTO, as well as entering the configuration settings. Holding the SETTINGS button for 5 seconds will enter configuration settings. Holding the SETTINGS button for 5 seconds while in configuration mode will store all changes and exit configuration model.

For cooling operation only — Cooling for 60Hz models is set at 55°F from the factory and 13°C for 50Hz models. This can be changed by hitting the UP or DOWN arrow. Refer to configuration settings #2 and #3 for limitations in comparison to the High and Low temperature alarm settings.

For units with optional humidifier controlled by a Wine Guardian — The RH% is factory set at 55%. This can be changed by referring to configuration setting #6. If no humidifier is attached, the control will only display RH%. It will not control humidity.

Changing fan operation — The default setting from the factory is "AUTO" fan. If desired it can be changed to fan "ON" (runs continuously) by accessing configuration setting # 7.

Joining Communication Cable
Wine Guardian cooling systems are supplied with 50 feet (15 meters) of RJ9 control cable. Caution must be taken when connecting two lengths of communication cable (splicing) to ensure uniform wire color before and after splice. An RJ9 Modular STRAIGHT THROUGH type coupler is the ONLY coupler approved for splicing Wine Guardian twisted pair communication cable.
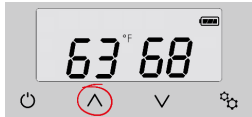
Part No. 15H0200-00
Rev. 06/2020

How to:
Turn the System On/Off
. . . .
Press the "On/Off" button once.

Note: There is a 5-minute time delay before the system turns off.

How to:
Change Temperature
. . . .
- Press the "Up" arrow once. The display will show the existing temperature setpoint.

- Press the up or down arrow buttons to adjust the temperature to the desired set point.

How to:
Change Humidity
. . . .
- Press the "Up" arrow once. This display will show the existing temperature setpoint.
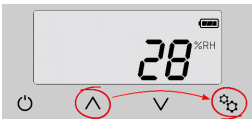
- Press the "Settings" button once to display the "Humidity" setpoint.

- Press the "Up" or "Down" arrows to adjust the humidity to the desired set point.

Note: A Wine Guardian humidifier must be installed and Setting 6 set to "1" or "2" before the controller will let you change percent humidity.

How to:
Change Settings
Cooling/Heating/Auto
. . . .
- Press the Setting button once to display the setting function at the bottom of the screen.

- Press the Settings button again to scroll through settings for cool only, heat only or heat/cool only – auto mode.
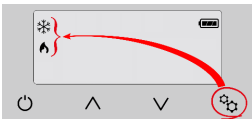
Settings – Press and hold the "Settings" button for five (5) seconds to access the following settings.

Setting 1:
Degrees F or Degrees C
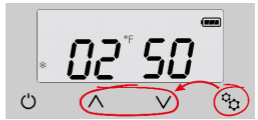. . . . .
- Press the "Up" arrow to change temperature from °F to °C.

- Press the "Down" arrow to change temperature from °C to °F.

Setting 2:
Low Temperature Alarm Setpoint
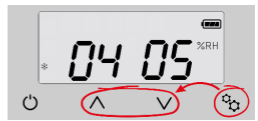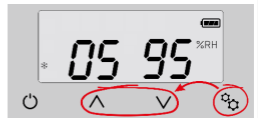. . . . .

- Press "Settings" button to
  advance to Setting 2.

- Press the "Up" or "Down" arrow buttons to adjust to the
  desired setpoint. Factory default is 50°F (10°C).

Setting 3:
High Temperature Alarm Setpoint
. . . .

- Press "Settings" button to
  advance to Setting 3.

- Press the "Up" or "Down" arrow buttons to adjust to the
  desired setpoint. Factory default is 65°F (18°C).

Setting 4:
Low Humidity Alarm Setpoint
. . . .

- Press "Settings" button to
  advance to Setting 4.

- Press the "Up" or "Down" arrow buttons to adjust to the
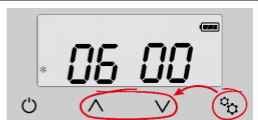 desired setpoint. Factory default is 5%.

Setting 5:
High Humidity Alarm Setpoint
. . . .

- Press "Settings" button to ad-
  vance to Setting 5.

- Press the up or down arrow buttons to adjust to the desired
  setpoint. Factory default is 95%.

Setting 6:
Add or Remove Humidifier
. . . .

- Press "Settings" button to ad-
  vance to Setting 6.

- Press the "Up" or "Down" arrow
  buttons to adjust to the desired setpoint. Factory default is
  zero (0).

  Zero (0) = No humidifier

  One (1) = Integral Wine Guardian mounted humidifier
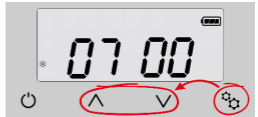
  Two (2) = Stand-alone remote mounted humidifier

Setting 7:
Fan Auto or On
. . . .

- Press "Settings" button to ad-
  vance to Setting 7.

- Press the "Up" or "Down" arrow buttons to adjust number to
  the desired set point. Factory default is zero (0).

  Zero (0) = Auto–fan only turns on when there is a call for
  cooling or heating

 One (1) = Fan On–fan remains on continuously

Setting 8:
Compressor Anti-Short Cycling
. . . .

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08 05
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- Press "Settings" button to advance to Setting 8.

- Press the "Up" or "Down" arrow buttons to adjust to the desired time in one-minute increments. Maximum is 10 minutes, minimum is 3 minutes. Factory default is 5 minutes.

  Compressor anti-short cycling time is the amount of allowable time between compressor stop and restart. Rapid start/stop of compressors can cause premature failure.

  WINE GUARDIAN DOES NOT RECOMMEND SETTINGS LOWER THAN FACTORY DEFAULT.
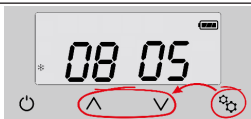
Setting 9:
Defrost Sensor Enable/Disable
. . . .

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09 00
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- Press "Settings" button to advance to Setting 9.

- Press the "Up" or "Down" arrow buttons to adjust to the desired setpoint.

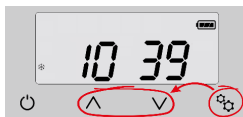 1 will equal enabled and a 0 (zero) will equal disabled.
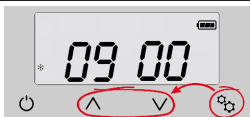
Setting 10:
Defrost Cut-In Temperature
. . . .

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10 39
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- Press "Settings" button to advance to Setting 10.

- Press the "Up" or "Down" arrow buttons to adjust to the desired setpoint. This setting is adjustable from 25°F to 40°F. Factory default is 39°F.

  There must be at least a 1°F difference between defrost cut-in and cut-out set points.
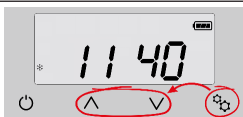
Setting 11:
Defrost Cut-Out Temperature
. . . .

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11 40
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- Press "Settings" button to advance to Setting 11.

- Press the "Up" or "Down" arrow buttons to adjust to the desired setpoint. This setting is adjustable from 35°F to 50°F. Factory default is 40°F.

 **Note: This setpoint must be 1°F/°C higher than setting 10.**

  Note: If °C is selected and then switched back to °F the default cut-out will change to 41°F.

Setting 12:
Defrost Check Interval
. . . .

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12 01
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- Press "Settings" button to advance to Setting 12.

- Press the "Up" or "Down" arrow buttons to adjust to the desired setpoint. This setting is adjustable from 30 min at 0 (zero), 1 hour at 1, and then in 1 hour increments up to a maximum of 12 hours at 12.
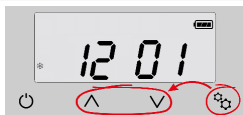
Setting 13:
Room Temperature Offset
. . . .
- Press "Settings" button to advance to Setting 13.

- Press the "Up" or "Down" buttons to adjust to the desired set point. Maximum setting is +5°F, minimum setting is -5°F. Factory default is zero (0).

  Room temperature offset changes the actual display reading (temperature only) by the value of this setting.

  Example: Sensor reading = 55°F (13°C)
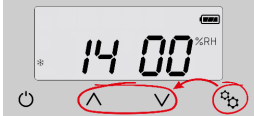 Setting 15 set to +4
  Display reading = 59°F (15°C)

Setting 14:
RH Offset
- Press "Settings" button to advance to Setting 14

- Press the "Up" or "Down" buttons to adjust to the desired setpoint. This setting allows the adjustment of %RH reading by +/-10%. Factory default is 0%RH.

Setting 15:
Differential Temperature Adjustment
. . . .
- Press "Settings" button to advance to Setting 15

- Press the "Up" or "Down" buttons to adjust to the desired setpoint. This setting changes the system/compressor turn-on temperature above setpoint. Factory default is 1°F.

  Example: Sensor reading = 55°F (13°C)

  Setting 17 set to +3°F

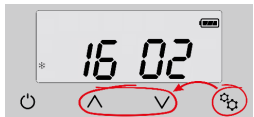 System/compressor turns on at 58°F (14°C)
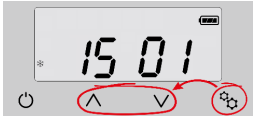
Setting 16:
Temperature Deadband
. . . .
- Press "Settings" button to advance to Setting 16.

- Press the "Up" or "Down" buttons to adjust to the desired setpoint. This setting is the minimal allowable temperature difference between heating and cooling setpoints. Maximum is 5°F (3°C), minimum is 1°F (1°C). Factory default is 2°F (1°C).

Setting 17:
Condensate Switch
. . . .
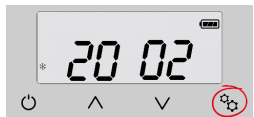- Press "Settings" button to advance to Setting 17.

- Press the "Up" or "Down" buttons to adjust to the desired setpoint. This setting disables or enables the Condensate switch. 0 (zero) is disabled, 1 is enabled. Factory default is 0.

Setting 20:
System Type Defaults
. . . .
- System setting. DO NOT CHANGE.

Setting 30:

Define remote user interface

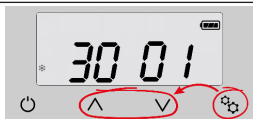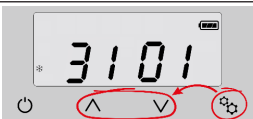- Press "Settings" button to advance to Setting 30

- Press the "Up" or "Down" buttons to adjust to the desired setpoint.

    1 = Remote User interface #1 mounted within the wine room space and enabled

    2 = Remote User interface #2 mounted within the wine room space and enabled

    3 = Remote User Interface #1 disabled - will display only and can be mounted outside of wine room

    4 = Remote User Interface #2 disabled - will display only and can be mounted outside of wine room

Setting 31:

RF Channel Select

- Press "Settings" button to advance to Setting 31.

- Press the "Up" or "Down" buttons to adjust to the desired setpoint.

    Each system needs all devices to be on the same RF channel.

    0 = RF disabled - system must be hardwired

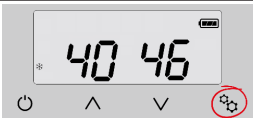   1 through 12 = RF enabled and 12 channels available

Setting 40:

Thermistor 1

- Press "Settings" button to advance to Setting 40.

    No setting adjustment.

    Displays the supply-air temperature at coil.
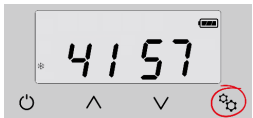
Setting 41:

Thermistor 2

- Press "Settings" button to advance to Setting 41.

    No setting adjustment.

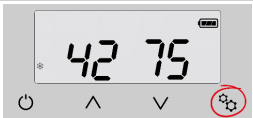   Displays the return-air temperature at coil.

Setting 42:

Thermistor 3

- Press "Settings" button to advance to Setting 42.

    No setting adjustment.

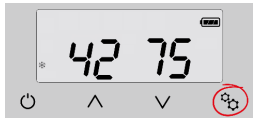   Displays the intake air temperature at condenser coil.

Setting 43:

Thermistor 4

- Press "Settings" button to advance to Setting 43.
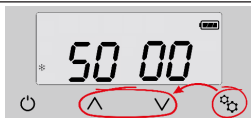
    No setting adjustment.

    Displays the defrost sensor temperature.

Setting 50:

Output Test

. . . .

- Press "Settings" button to advance to Setting 50.

- Press the "Up" or "Down" buttons to adjust to the desired setpoint.

  Steps through relays as output test.
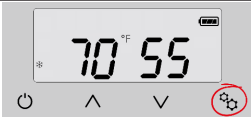
  0 = Disabled

  1 = Enabled

Setting 70:

Default Temperature

. . . .

- Press "Settings" button to advance to Setting 70.

  No setting adjustment.

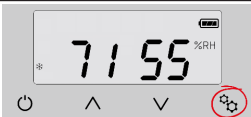 Initial temperature set point. Will revert to this setting upon loss of power.

Setting 71:

Default %RH

. . . .

- Press "Settings" button to advance to Setting 71.

  No setting adjustment.

  Initial relative humidity set point. Will revert to this setting upon loss of power.
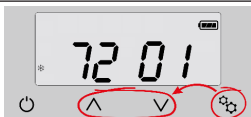
Setting 72:

Default Mode

. . . .

- Press "Settings" button to advance to Setting 72.

- Press the "Up" or "Down" buttons to adjust to the desired setpoint.

  Initial mode set point. Will revert to this setting upon loss of power.

  1 = Auto

  2 = Cool

  3 = Heat

!WARNING!

Only one Unit can be set up at a time. Ensure other units are unplugged while pairing a unit to ensure there are no communication issues between Wine Guardian Units

NOTE: There is not a reset button to return all settings to factory default. This must be done individually with each setting. See the factory default in the setting instructions.

For further detailed instructions download the Operations & Maintenance manual at WineGuardian.com on the Resources and Manuals page.

Alarm Codes

High temperature alarm
Flashing temperature number

Flashing temperature number along with (!) symbol will remain on screen until temperature falls below the High Temperature Alarm set point (Setting 3).

Low temperature alarm
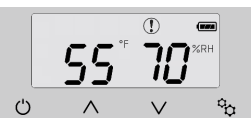**Flashing temperature number**

Flashing temperature number along with (!) symbol will remain on screen until temperature rises above the Low Temperature Alarm set point (Setting 2).

**High humidity alarm**
Flashing humidity number

Flashing humidity number along with (!) symbol will remain on screen until humidity falls below the High Humidity Alarm setpoint (Setting 5).

Low humidity alarm
Flashing humidity number

Flashing humidity number along with (!) symbol will remain on screen until humidity rises above the Low Humidity Alarm set point (Setting 4).
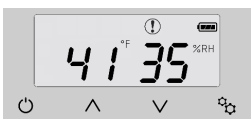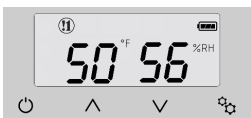
!1 = High Pressure Switch Fault

THIS ALARM FORCES THE SYSTEM TO SHUT DOWN

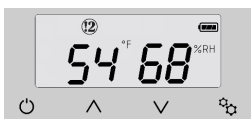(!1) will remain on screen until the High Pressure reset switch has been reset.

See the trouble shooting guide page 57 for "Instructions to Reset High Pressure Switch".

!2 = CS (Condensate Switch Fault)

THIS ALARM FORCES THE SYSTEM TO SHUT DOWN

(!2) will remain on screen until the CS (condensate switch) fault is resolved and reset.
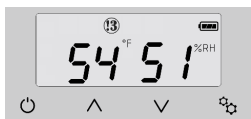
!3 = Defrost Sensor Fault

THE SYSTEM REMAINS OPERATIONAL DURING THIS ALARM

Defrost sensor has been shorted, disconnected or open.

(!3) will remain on screen until the defrost sensor issue has been resolved.

!4 = Communication loss

THE SYSTEM REMAINS OPERATIONAL DURING THIS ALARM

Bad or no data transfer between sensing device and main control board.

"!4" will remain on screen until communication is re-established.