WINE GUARDIAN®

REMOTE INTERFACE OPERATION GUIDE

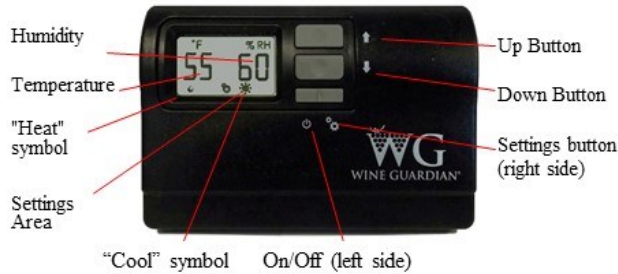Humidity — Temperature — "Heat" symbol — Settings Area — "Cool" symbol — On/Off (left side) — Up Button — Down Button — Settings button (right side)

Controller Functions

ON/OFF—the ON/OFF button will be used to turn the system on or off. When set to the off setting the control will not allow any of the outputs to energize effectively, locking the system out. It will not allow any outputs to energize until the system is turned on with the ON/OFF button. It should be noted that high voltage will still be present at the main control board when the system is set to off even though the control will not allow it to switch to the outputs.

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, but 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 Through-the-Wall (TTW) –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 be RH%, but will not be controlling it.

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 6-wire, Cat 3 twisted pair communication cable with RJ11 type connectors. Caution must be taken when connecting two lengths of communication cable (splicing) to ensure uniform wire color before and after splice. An RJ11 Modular 6 wire STRAIGHT THROUGH type coupler is the ONLY coupler approved for splicing Wine Guardian twisted pair communication cable.

Part No. 15H0200-00

How to turn system on/off	Press the "On/Off" button once. **Note: There is a five (5) minute time delay before the system turns on or turns off. *** Green LED lit when unit is on**
How to change Temperature	Press the "Up" button 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" button once. This display will show the existing temperature setpoint. Press the "Settings" button once to display the "Humidity" setpoint. Press the "Up" or "Down" button 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 Deg F or Deg C	Press the "Down" button to change temperature from F to C. Press the "Up" button to change temperature from Deg C to F
Setting 2 Low temperature alarm setpoint	Press "Settings" button to advance to Setting 2 Press the "Up" or "Down" button to adjust to the desired setpoint. **Factory default is 50 Deg F (10 DegC).**
Setting 3 High temperature alarm setpoint	Press "Settings" button to advance to Setting 3. Press the "Up" or "Down" button to adjust to the desired setpoint. **Factory default is 65 Deg F (18 Deg C).**
Setting 4 Low humidity alarm set point	Press "Settings" button to advance to Setting 4. Press the "Up" or "Down" button to adjust to the desired setpoint. **Factory default is 5%.**
Setting 5 High humidity alarm setpoint	Press "Setting" button to advance to setting 5 Press the up or down button to adjust to the desired setpoint. **Factory default is 95%.**

Setting 6 Add or remove humidifier	Press "Settings" button to advance to Setting 6. Press the "Up" or "Down" button to adjust to the desired setpoint. **Factory default is zero (0).** Zero (0) = No humidifier One (1) = Integrated Wine Guardian mounted humidifier Two (2) = Standalone remote mounted humidifier
Setting 7 Fan AUTO or ON	Press "Setting" button to advance to Setting 7. Press the "Up" or "Down" button 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 How to access Advanced Settings	Press "Setting" button to advance to Setting 8. Press the "up" or "down" button to adjust number to the access code 12. Press "Setting" button to continue onto Setting 9 through 19. **NOTE: Steps in this setting must be followed to gain access to Advanced Settings below.**

Advanced Settings 9– 19

Setting 9 Compressor anti-short cycling time	Press "Settings" button to advance to Setting 9. Press the "Up" or "Down" button to adjust to the desired time in one-minute increments. Maximum is 10 minutes, minimum is 0 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. **Factory default is 5 minutes.** **WINE GUARDIAN DOES NOT RECOMMEND SETTINGS LOWER THAN FACTORY DEFAULT.**

Setting 10
Set up remote sensor or thermostat
	Press "Settings" button to advance to Setting 10.
	Press the "Up" or "Down" button to adjust to the desired setting.
	    rS = Remote sensor
	    rI = Remote interface
	    LI= Local interface – Through-the-wall unit only
	A = Averaging – Jumper position within sensors must be adjusted

Setting 11 Enable or disable defrost sensor input	Press "Settings" button to advance to Setting 11. Press the "Up" or "Down" button to adjust to the desired setpoint One (1) will equal enabled and a zero (0) will equal disabled
Setting 12 Defrost cut in temperature	Press "Settings" button to advance to Setting 12. Press the "Up" or "Down" button to adjust to the desired setpoint This setting will be adjustable from 25 Deg F to 40 Deg F (-4 Deg C to 4 Deg C). **Default will be 35 Deg F (2 Deg C).** There must be at least a 1 Deg F/C difference between defrost cut in and cut out set points.

Setting 13 — Defrost cut out temperature	Press "Settings" button to advance to Setting 13. Press the "Up" or "Down" button to adjust to the desired setpoint. This setting will be adjustable from 35 Deg F to 50 Deg F (2 Deg C - 10 Deg C). **Default will be 40 Deg F (5 Deg C).** There must be a least a 1 Deg F/C difference between defrost cut in and cut out set points. **Note: This setpoint must be 1 Deg F/C higher than setting 12.** **Note: If C is selected and then switched back to F the default cut out will change to 41 Deg F.**
Setting 14 — Compressor run time setting for defrost	Press "Settings" button to advance to Setting 14. Press the "Up" or "Down" button to adjust to the desired setpoint. The setting for compressor run time can be adjustable from 1 to 12 hours in 1 hour increments. **Default will be 1 hour**
Setting 15 — Room sensor calibration	Press "Settings" button to advance to Setting 15. Press the "Up" or "Down" button to adjust to the desired set point. Maximum setting is +5 Deg F, minimum setting is -5 Deg F (-15 Deg C) . **Factory default is zero (0).** Sensor calibration setpoint changes the actual display reading (temperature only) by the value of this setting. -Example: Sensor reading = 55 Deg F (13 Deg C) -Setting 15 set to +4 -Display reading = 59 Deg F (15 Deg C)
Setting 16 — RH% Sensor Calibration	This setting will allow the adjustment of RH% reading by +/-10%. **Factory default is 0%RH.**
Setting 17 — Differential temperature adjustment	Press "Settings" button to advance to Setting 17 Press the "Up" or "Down" button to adjust to the desired setpoint. This setting changes the system/compressor; turn on temperature above setpoint. **Factory default is set to 1 Deg F.** -Example: Sensor reading = 55 Deg F (13 Deg C) -Setting 17 Set to +3 Deg F -System/compressor turns on at 58 Deg F. (14 Deg C)
Setting 18 — Deadband setting	Press "Settings" button to advance to Setting 18. Press the "Up" or "Down" button to adjust to the desired setpoint. This setting is the minimal allowable temperature difference between heating and cooling setpoints. Maximum is 5 Deg F (-15 Deg C), minimum is 1 Deg F. (-17 Deg C) **Factory default is set to 2 Deg F (-16 Deg C)**

Setting 19 — Test mode setting	Press "Settings" button to advance to Setting 19. Press the "Up" or "Down" button to adjust to the desired setpoint. When set to one (1) the controller will automatically turn on all outputs with the exception of electric heat. **Factory default is zero.** Zero (0) = Off. One (1) = On
Setting 20 — System selection	**DO NOT CHANGE**

Alarm Codes

High temperature alarm — Flashing temperature number	Press the "Up" or "Down" button once to change screen from alarm to normal temperature and humidity indication. "Flashing temperature number" along with flashing (!) symbol will remain on screen until temperature falls below the High Temperature Alarm set point (Setting 3).
Low temperature alarm — Flashing temperature number	Press the "Up" or Down" button once to change screen from alarm to normal Temperature and humidity indication. "Flashing temperature number" along with flashing (!) symbol will remain on screen until temperature rises above the Low Temperature Alarm set point (Setting 2).
High humidity alarm — Flashing humidity number	Press the "Up" or "Down" button once to change screen from alarm to normal Temperature and Humidity indication. "Flashing humidity number" along with flashing (!) symbol will remain on screen until humidity falls below the High Humidity Alarm setpoint (Setting 5).

Low humidity alarm — Flashing humidity number	Press the "Up" or "Down" button once to change screen from alarm to normal Temperature and Humidity indication. "Flashing humidity number" along with flashing (!) 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** **This alarm forces the system to shut down** Press the "Up" or "Down" button once to change screen from alarm to normal Temperature and Humidity indication. "!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" in Operations and Maintenance Manual on WineGuardian.com, Resources and Manuals page.
!2 = CS (Condensate Switch Fault)	**THIS ALARM FORCES THE SYSTEM TO SHUT DOWN** **This alarm forces the system to shut down** Press the "Up" or "Down" button once to change screen from alarm to normal Temperature and Humidity indication. "!2" will remain on screen until the CS (condensate switch) fault is resolved and reset .

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.