

GROZONE CONTROLLERS HIDDEN MODES

What is an HIDDEN MODE?

Grozone controllers feature different user settable parameters such as the day and night set points (temp, humidity or CO2), the output modes, the output priorities... and many more. These values are accessible through standard menus and can be easily set by the user, as explained in their respective user guide.

Grozone controllers also feature parameters settings that are NOT PUBLISHED in the user guides, these parameters can be accessed through HIDDEN MODES. These modes help the user monitor values or fine tune his set-up, but are generally not necessary for common uses of the controller.

How can I access the HIDDEN MODES?

Hidden modes are “hidden” behind one specific Light Indicator, which is also used during normal operation. Once the user has turned this specific Light Indicator ON (by clicking the knob as many times as needed), the user maintains the knob pressed for 6 to 8 seconds to enter the modes. The Light Indicator starts blinking when the Hidden Mode is activated (note: in some hidden modes, two Indicators blink simultaneously). Hidden modes are exited automatically when the controller knob is left untouched for about 30 seconds or when the knob is clicked.

Example: in the SCO2 controller, the “Elevation” setting for CO2 is hidden behind the “CO2 HIGH (PPM)” indicator. In other words, in order to enter this mode, you must click the knob until “CO2 HIGH (PPM)” indicator is lit, and then press and hold the knob until the “CO2 HIGH (PPM)” indicator starts blinking. In this mode, Indicator “CO2 LOW (PPM)” will also blink.

See **SCO2 HIDDEN MODES** on page 2.

See **CO2D HIDDEN MODES** on page 3.

SCO2 HIDDEN MODES

Grozone Controller Model	HIDDEN MODE Description	LIGHT INDICATOR behind which the MODE is hidden.	How to SET THE VALUE in this MODE
SCO2	Set "Elevation" for CO2 sniffer compensation at high altitude.	CO2 High (PPM) (Once activated, CO2 High (PPM) and CO2 Low (PPM) Indicators start blinking).	Turn the knob both ways. Setting examples: EL0.0 = 0 ft above Sea Level (factory setting) EL5.5 = 5,500 ft above Sea Level EL9.0 = 9,000 ft above Sea Level
	See CO2 overshoot and undershoot	CO2 Low (PPM) (Once activated, CO2 Low (PPM) Indicator only starts blinking).	This MODE allows the user to track and view CO2 overshoot and undershoot values occurring in the room. When entering the MODE, two values are displayed alternately: 1- the Overshoot, defined as the difference between the 'last CO2 MAX value observed in the room' and the 'CO2 PPM High setting'. 2- the Undershoot, defined as the difference between the 'CO2 PPM Low setting' and the 'last CO2 MIN value observed in the room'. For instance, if actual CO2 levels cycle between a max of value of <u>1820</u> ppm and a min value of <u>980</u> ppm, for controllers settings such as CO2 High PPM <u>1500</u> and CO2 Low PPM <u>1100</u> , then: <ul style="list-style-type: none"> • the Overshoot Value displayed is : <u>1820</u> ppm - <u>1500</u> ppm = 320 • the Undershoot Value displayed is : <u>1100</u> ppm - <u>960</u> ppm = 140 <u>DISPLAYING the information:</u> SEE NOTE 1 BELOW.
	Reset settings to Factory settings	No Light Indicator used in this mode. Turn power off, hold knob while applying power to the unit. Maintain knob pressed during initialization.	Module will display "rrrr" on screen when reset is complete. Then you can let the knob go. Previous user settings are changed to factory settings. You may need to set your room settings again to ensure proper control.

NOTE 1:

OVERSHOOT Readout



Digit 1: Icon
Digits 2 to 4: Value

UNDERSHOOT Readout



Digit 1: Icon
Digits 2 to 4: Value

CO2D HIDDEN MODES

Grozone Controller Model	HIDDEN MODE Description	LIGHT INDICATOR behind which the MODE is hidden.	How to SET THE VALUE in this MODE
<p style="text-align: center;">CO2D</p> <p>You must first Select Zone #1 or Zone #2.</p>	<p>Set "Elevation" for CO2 sniffer compensation at high altitude of selected zone.</p>	<p style="text-align: center;">CO2 High (PPM)</p> <p>(Once activated, CO2 High (PPM) and Selected Zone Indicators start blinking).</p>	<p style="text-align: center;">Turn the knob both ways.</p> <p style="text-align: center;">Setting examples: EL0.0 = 0 ft above Sea Level (factory setting) EL5.5 = 5,500 ft above Sea Level EL9.0 = 9,000 ft above Sea Level</p>
	<p>Check if the Remote Sensor of selected zone detects DAY or NIGHT condition.</p>	<p style="text-align: center;">CO2 Low (PPM)</p> <p>(Once activated, CO2 Low (PPM) and Selected Zone Indicators start blinking).</p>	<p style="text-align: center;">If DAY condition is met, dAY is displayed on screen.</p> <p style="text-align: center;">If NIGHT condition is met, NIGH is displayed on screen.</p> <p>Note 1: to meet a night condition, hide BOTH faces of the sensor enclosure (remote sensors have one light detector on each face).</p> <p>Note 2: switching from day to night condition (or night to day) takes 6-8 seconds.</p>
<p>Both zones are reset at the same time.</p>	<p>Reset settings to Factory settings</p>	<p>No Light Indicator used in this mode.</p> <p>Turn power off, hold knob while applying power to the unit. Maintain knob pressed during initialization.</p>	<p>Module will display "rrrr" on screen when reset is complete. Then you can let the knob go. Previous user settings are changed to factory settings. You may need to set your room settings again to ensure proper control.</p>