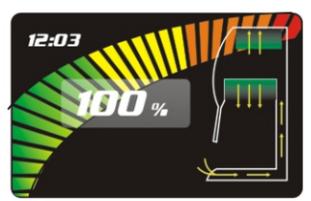




# Navigating the Logic+ Menu



**MAIN MENU**

1. MyLogic™
2. Settings
3. Service

▲ or ▼ to choose, OK to select, MENU to escape

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This menu is for certifier use only.

**MyLogic**

I want to:

- configure my Logic+ for use
- set the clock

▲ or ▼ to choose, OK to select, MENU to escape

Use the ▲ and ▼ Keys to select whether to configure the Logic+, or just set its clock.

**MyLogic**

**Smart-Start™ Options**

When I open the sash -

The blower should:

- start
- not start

▲ or ▼ to choose, OK to select, MENU to escape

When selected, Smart-Start will automatically start the blower when the sash is opened.

**MyLogic**

**Smart-Start Options**

When I open the sash -

The lights should:

- turn on
- stay off

▲ or ▼ to choose, OK to select, MENU to escape

When selected, Smart-Start will automatically turn on the lights when the sash is opened.

**MyLogic**

**Night-Smart™ Options**

When I close the sash -

The blower should:

- go into Night-Smart mode
- stop

▲ or ▼ to choose, OK to select, MENU to escape

When selected, Night-Smart will automatically run the blower at reduced speed when the sash is closed.

**MyLogic**

**Night-Smart™ Options**

When I close the sash -

The UV light should:

- turn on
- stay off

▲ or ▼ to choose, OK to select, MENU to escape

When selected, Night-Smart will automatically turn on the UV Light when the sash is closed.

**MyLogic**

**Night-Smart Options**

After closing the sash, the UV light will stay on for:

- 10 min.

▲ or ▼ to choose, OK to select, MENU to escape

Night-Smart will then allow you to set the time the UV light will stay on after it activates.

**MyLogic**

**Clock Setting -**

Set the clock format:

- 12 - hour
- 24 - hour

▲ or ▼ to choose, OK to select, MENU to escape

This will configure the clock in either 12- or 24- hour formats.

**MyLogic**

**Clock Setting -**

Set the hours:

- 12

▲ or ▼ to choose, OK to select, MENU to escape

This sets the clock's hours.

**MyLogic**

**Clock Setting -**

Set the minutes:

- 50

▲ or ▼ to choose, OK to select, MENU to escape

This sets the clock's minutes.

**Settings**

- Display Options
- Startup Tone
- Units of Measure
- UV Settings
- Security Lock
- RS-232 Output
- UV Hourmeter

▲ or ▼ to choose, OK to select, MENU to escape

**Display Options**

- Units of Measure
- Startup Tone

▲ or ▼ to choose, OK to select, MENU to escape

**Units of Measure**

- Metric (M/S)
- Imperial (F/Min)

▲ or ▼ to choose, OK to select, MENU to escape

If equipped with an airflow sensor, This selects the units of measure.

**Startup Tone**

- Turned On
- Turned Off

▲ or ▼ to choose, OK to select, MENU to escape

When activated, an audible tone will sound for the first 90 seconds of blower operation, to alert the user to wait during unit startup.

**Security Lock**

The Security Lock Is:

- Activated
- turned off

▲ or ▼ to choose, OK to select, MENU to escape

Turning on the lock will "lock" the keypad until the proper password is entered.

**RS-232 Output**

The Logic's RS-232 Output Rate Should be:

- 1/second
- 100 seconds
- 1000 seconds
- 10000 seconds

▲ or ▼ to choose, OK to select, MENU to escape

If equipped with the RS-232 circuit board, this will configure the data output rate.

**UV Settings**

The UV light has operated for 100 hours.

It should be replaced in 5900 hours.

OK to return

This screen displays the number of hours the UV has operated since its installation.

**UV Settings**

OK will reset the UV light timer to 0 hours of operation.

MENU will exit this screen without changing the timer

This screen allows you to reset the UV hourmeter to 0 after replacing the UV lamps.

**UV Settings**

- UV Hourmeter
- Reset UV Hourmeter
- Set UV Life

▲ or ▼ to choose, OK to select, MENU to escape

This screen allows access to the UV settings.

**UV Settings**

The UV light will operate for:

- 6100 Hours

before you are told to replace it.

▲ or ▼ to change the time period, OK to select, MENU to escape

This screen allows you to set the UV lamp's lifetime in 100 hour increments.

## Alarm/Alert Screens

The sash is open too far for safe operation.

**Alarm - Sash Height**

The sash is open too far -

- Lower it
- Press Mute/OK to silence the alarm for 5 minutes

The motor speed has become unstable, likely due to blockage of the grille, or changes in room pressure.

**Alert - Airflow**

Airflow in the cabinet may have changed -

- Check grilles for blockage
- Check room for air pressure changes

ON TYPE A BSCs, the Inflow or downflow velocities have exceeded the safe operating range.

**Alarm - Airflow**

The inflow and/or downflow readings are out of range.

- Have a certifier recalibrate the airflow sensor

ON TYPE B2 BSCs, the Inflow velocity has fallen below the safe operating range.

**Alarm - Inflow**

There is insufficient inflow.

- Press Blower to reset the system
- Repeated inflow alarms may require sensor recalibration or airflow adjustment

ON TYPE A BSCs with a canopy, the exhaust volume has fallen below the safe operating range.

**Alarm - Canopy**

There is insufficient exhaust flow for the canopy.

- Have a certifier check the canopy airflow switch
- Have a certifier readjust the exhaust airflow

There has been a loss of communication between the motor and the control circuit board.

**Alarm - System**

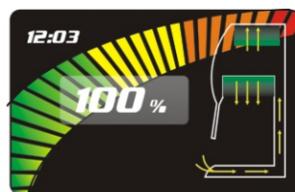
There is a loss of communication in the control system.

- Have a certifier examine the cabinet

# Navigating the *Logic+* Certifier's Menu



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**MAIN MENU**

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or to choose, OK to select, MENU to escape

**Service**

- Current Settings
- Restore Default
- Diagnostics
- Calibration
- Configuration

or to choose, OK to select, MENU to escape

**Current Settings**

The ECM setting is: 65  
 The current RPM is: 0  
 The average RPM is: 0  
 The new filter RPM is: 1450  
 The max. RPM is: 1450  
 Type A2, with airflow sensor  
 Configured for no UV light  
 OK to return 10484 -

**Service**

- Current Settings
- Restore Default
- Diagnostics
- Calibration
- Configuration

or to choose, OK to select, MENU to escape

**Restore Default**

OK WILL RESET THE LOGIC TO ITS ORIGINAL FACTORY SETTINGS. THIS WILL NOT RESET THE BLOWER SPEED. MENU WILL LEAVE THE SETTINGS UNCHANGED

**Service**

- Current Settings
- Restore Default
- Diagnostics
- Calibration
- Configuration

or to choose, OK to select, MENU to escape

**Diagnostics**

- Sash sensors
- Keypad - Relays
- Canopy Alarm
- Airflow Sensor

or to choose, OK to select, MENU to escape

**Diagnostics**

Lower the sash from full open to closed; Note the sash status below:  
 Sash Status:  
 The sash is open too high  
 The sash is open  
 The sash is closed  
 OK to return

**Diagnostics**

- Sash sensors
- Keypad - Relays
- Canopy Alarm
- Airflow Sensor

or to choose, OK to select, MENU to escape

**Diagnostics**

Press any button (except Menu); Note the touchpad status below:  
 Touchpad Status:  
 Buttons pressed: none  
 All Off  
 Menu to return

**Diagnostics**

- Sash sensors
- Keypad - Relays
- Canopy Alarm
- Airflow Sensor

or to choose, OK to select, MENU to escape

**Diagnostics**

Test the alarm by closing the intake door. Note the alarm status below:  
 Canopy Alarm:  
 Status: Open  
 OK to return

**Diagnostics**

- Sash sensors
- Keypad - Relays
- Canopy Alarm
- Airflow Sensor

or to choose, OK to select, MENU to escape

**Diagnostics**

The airflow sensor data:  
 A/D: 175  
 Air Velocity: 0 FPM  
 Zero: 98  
 Alarm Value: 150  
 Full Scale: 186  
 OK to return

## Diagnostics

**Service**

- Current Settings
- Restore Default
- Diagnostics
- Calibration
- Configuration

or to choose, OK to select, MENU to escape

**Calibration**

ATTENTION!  
 The following screens are used to alter the operation of the Logic. They should only be used by a qualified certifier as part of the certification process.  
 OK to select, MENU to escape

**Calibration**

PASSWORD:  
 OK to select, MENU to escape

**Calibration Motor Speed Adjustment**

The ECM setting is: 80  
 The current RPM is: 1050  
 The average RPM is: 1020  
 or to change motor speed, OK to select, MENU to escape

**Calibration Filter Gauge Adjustment**

- Reset Filter Gauge to 100%
- Leave Gauge unchanged
- Set Gauge to new setting

or to change filter gauge, OK to select, MENU to escape

**Calibration Inflow Display**

The Inflow displayed value is: 102 FPM  
 or to change display value, UV Light to reset to 105 FPM, OK to select, MENU to escape

**Calibration Inflow Alarm Setpoint**

Reduce the exhaust flow to 80% of nominal volume. Then press OK.  
 Air Sensor: 219  
 Zero / Span: 95 / 220  
 OK to select, MENU to escape

The Logic+ will automatically turn off to zero itself before restarting the blower.

Type A2 with no airflow sensor.

The Logic will automatically turn off and reset itself into normal operation.

The Password is:  
 'Light'  
 'UV Light'  
 'Timer'  
 'Timer'  
 'OK'

Type A2 with optional airflow sensor.

**Service**

- Current Settings
- Restore Default
- Diagnostics
- Calibration
- Configuration

or to choose, OK to select, MENU to escape

**Configuration**

ATTENTION!  
 The following screens are used to alter the operation of the Logic. They should only be used by a qualified certifier as part of the certification process.  
 OK to select, MENU to escape

**Configuration**

PASSWORD:  
 OK to select, MENU to escape

**Configuration Cabinet Type**

This cabinet is:  
 Type A1  
 Type A2  
 Type B2  
 or to choose, OK to select, MENU to escape

**Configuration Type A Canopy Option**

This cabinet has:  
 a canopy  
 no canopy  
 or to choose, OK to select, MENU to escape

**UV Settings**

This Logic is configured:  
 to have a UV light  
 to NOT have a UV light  
 or to choose, OK to select, MENU to escape

**Calibration Downflow Display**

The Downflow displayed value is: 52 FPM  
 or to change display value, UV Light to reset to 55 FPM, OK to select, MENU to escape

**Calibration Inflow Display**

The Inflow displayed value is: 102 FPM  
 or to change display value, UV Light to reset to 105 FPM, OK to select, MENU to escape