

# Energi Savr Node™

manual programming guide

English

Energi Savr Node™ for Switching (QSNE-4S10-D)

Energi Savr Node™ for 0-10 V (QSNE-4T10-D)

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## IMPORTANT NOTES

- Manual Programming:** This document describes manual programming via the buttons on the front of the Energi Savr Node™ unit. For programming using the *Apple iPod touch* or *iPhone* mobile digital devices, please see the Energi Savr app available from the *Apple AppStore* online store.
- Use only compatible Lutron® sensors and controls.

## USING THIS GUIDE

This guide is divided into sections **A** to **J**. Each section deals with a particular feature or set of features of the Energi Savr Node™ unit and the equipment connected to it. Depending on the connected equipment and the intended use of your Energi Savr Node™ unit, some sections may not apply. See below to determine which sections should be read.

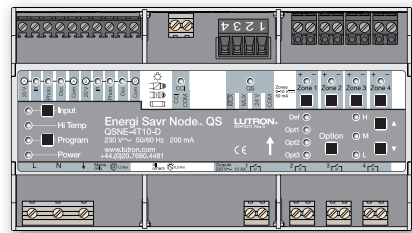
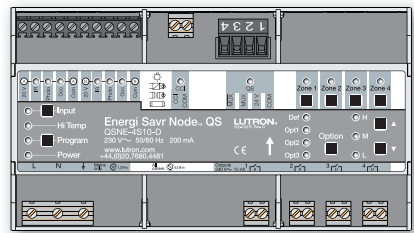
### All Energi Savr Node™ units

Read:

- » **A Load Setup**

**Energi Savr Node™ for Switching (QSNE-4S10-D)**

**Energi Savr Node™ for 0-10 V (QSNE-4T10-D)**



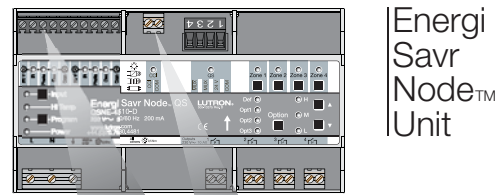
## WIRED INPUTS

If you have wired sensor inputs wired directly to the Energi Savr Node™ unit input group terminal blocks, see below to determine which additional sections to read.

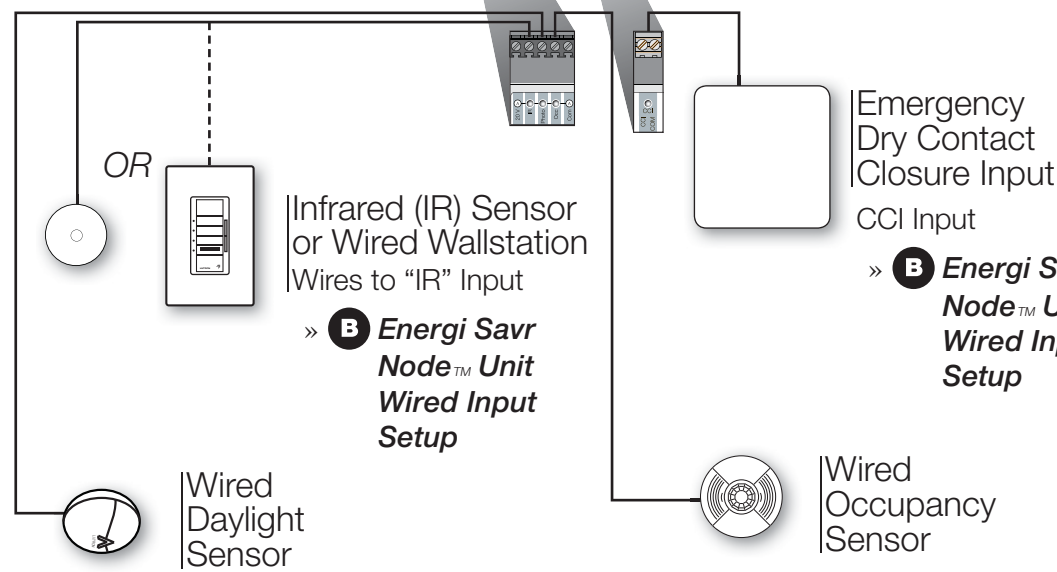
All Wired Inputs

Read:

- » **B Energi Savr Node™ Unit Wired Input Setup**



Energi Savr Node™ Unit



Emergency Dry Contact Closure Input  
CCI Input

» **B Energi Savr Node™ Unit Wired Input Setup**

Infrared (IR) Sensor or Wired Wallstation  
Wires to "IR" Input

» **B Energi Savr Node™ Unit Wired Input Setup**

Wired Daylight Sensor

Wires to "Photo" Input

Additional Sections:

- » **B Energi Savr Node™ Unit Wired Input Setup**
- » **I Daylighting Setup**

Wired Occupancy Sensor

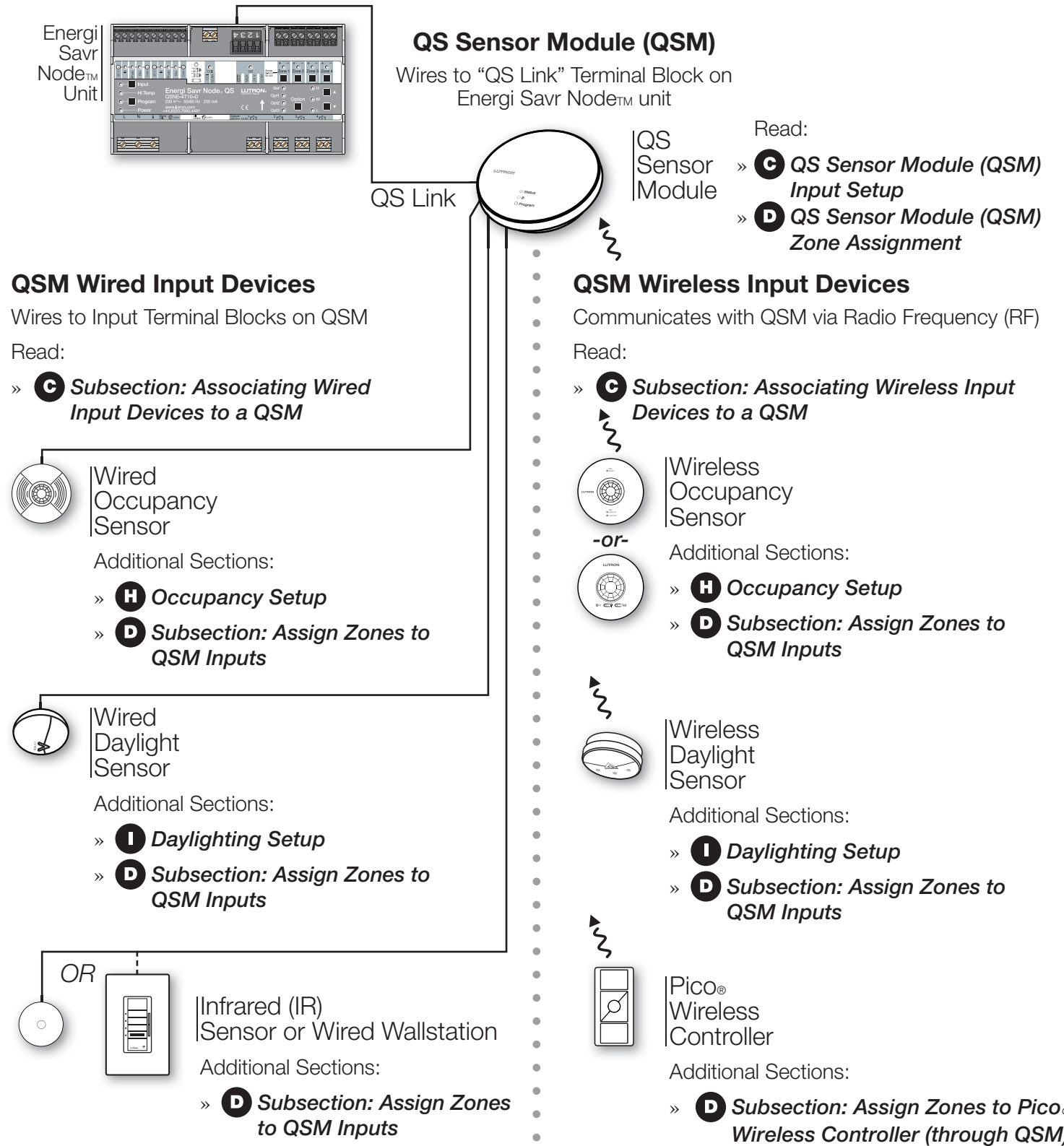
Wires to "Occ" Input

Additional Sections:

- » **B Energi Savr Node™ Unit Wired Input Setup**
- » **H Occupancy Setup**

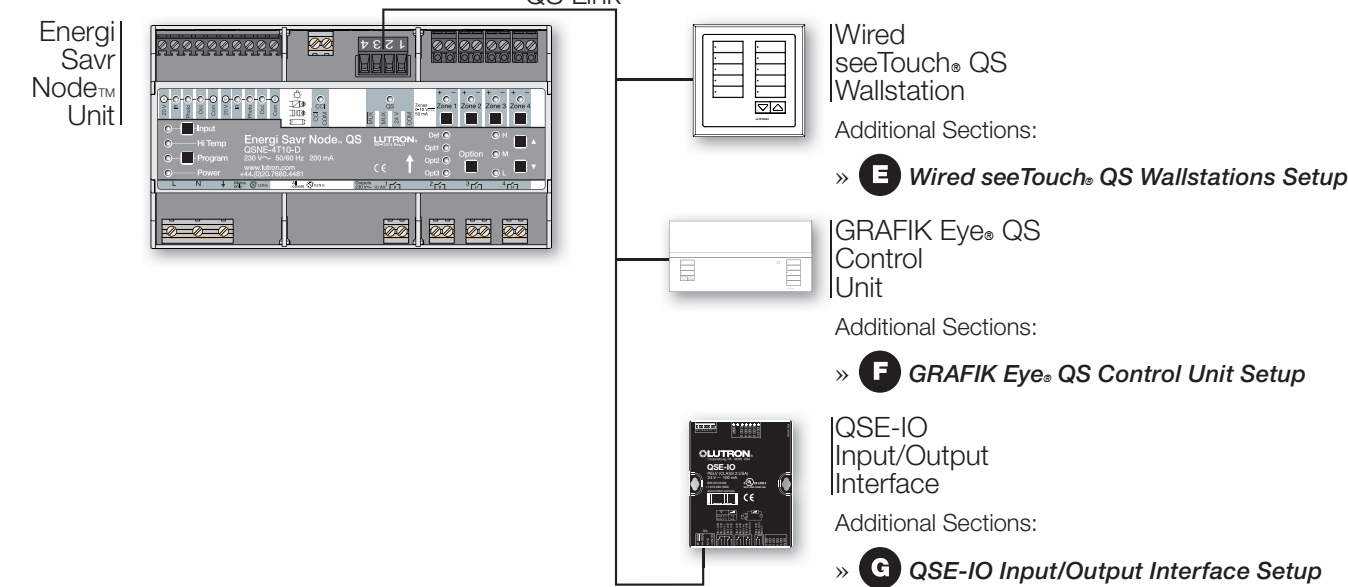
## QS SENSOR MODULE (QSM) WITH WIRED OR WIRELESS INPUT DEVICES

If you have a QSM wired to the Energi Savr Node™ unit QS Link terminal block, read sections **C QS Sensor Module (QSM) Input Setup** and **D QS Sensor Module (QSM) Zone Assignment**. Some parts of the section may not apply, depending on the devices connected to the QSM. See below to determine which additional sub-sections to read for each type of connected device.



## OTHER QS LINK DEVICES

If you have other devices wired to the Energi Savr Node™ unit QS Link terminal block, see below to determine which additional sections to read.



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## TROUBLESHOOTING

### LED Feedback

LED	LED Behavior	Description
Occ (Occupancy Sensor)	Continuous On	Sensor detects Vacancy
	1 flash per second	Sensor detects Occupancy
	Off	Sensor never detected
Photo (Daylight Sensor)	Continuous On	Sensor is detected
	Flashing	Sensor information transmitting on the QS link
	Off	Sensor never detected/sensor not seeing light
IR (Infrared Receiver)	Continuous On	Receiver is detected
	Flashing	IR button press detected
	Off	Receiver never detected
CCI (Emergency Contact Closure Input)	Continuous On	Normal operation/Contact Closed/Jumpered
	Rapid flash	Emergency Mode/Contact Open/Jumper missing
QS Link	On/Flashing	Device transmitting/receiving on the QS link
	3 quick flashes every 4 seconds	Communication error
	Off	Device not transmitting/receiving on the QS link
Hi Temp	Continuous On	Device is currently too hot
	Flashing	This device was too hot at some point since being powered on. This LED will continue to flash until the temperature is reduced and the device is power cycled.
Zone	Continuous On	Load is on
	Off	Load is off

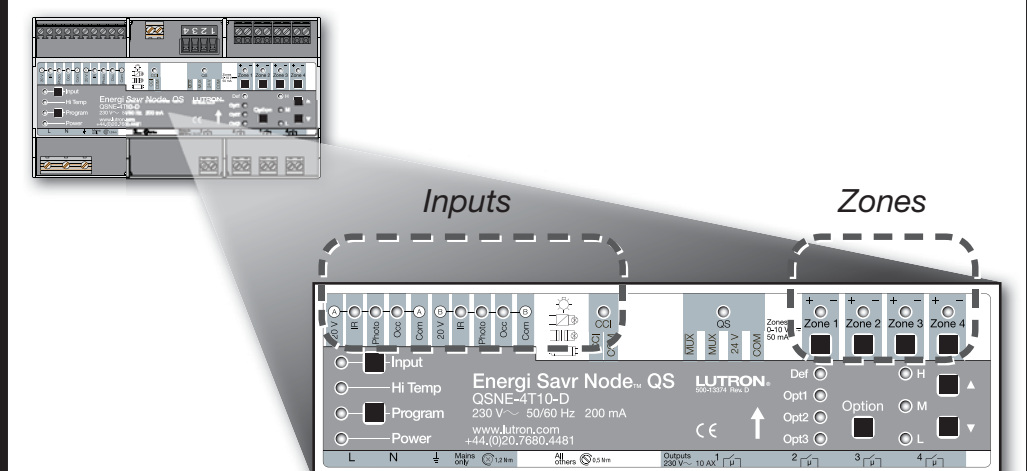
### Troubleshooting using symptoms:

Symptom	Cause	Solution
Unable to add daylight sensor to a zone	Existing daylight sensor already assigned to the zone	Unassign the existing daylight sensor and try again.
Unable to add a 4th occupancy sensor to a zone	Existing occupancy sensor still assigned to the zone	Unassign the existing occupancy sensor and try again.
Daylight sensor fails to turn on a zone	Occupancy sensor is overriding the zone	Daylight sensors will not turn a zone on if an occupancy sensor assigned to that zone detects that the room is vacant.
	Switched zone daylighting: incorrect light level set during Daylighting Setup	Reset the daylighting set point. See <b>I Daylighting Setup</b> .
When associating a QSM to the Energi Savr Node™ unit, the "Input" LED flutters for 1 second, then turns off	A QSM has already been associated to the Energi Savr Node™ unit.	To clear the QSM association and any Energi Savr Node™ unit zone assignments to any QSM inputs, press and hold the <b>Input</b> button on the Energi Savr Node™ unit for 10 seconds. The "Input" LED will flutter for 1 second, then turn off.
When associating a wireless input device to a QSM, the QSM responds with 10 short beeps	Maximum number of associations to the QSM has been exceeded for that wireless input device type.	Unassign any unnecessary wireless inputs of that device type and try again.
When associating a wireless input device to a QSM, the QSM responds with 5 short beeps	Input device is already associated to another QSM on the QS link.	If you choose to ignore the warning and try to associate the same input device to the QSM a second time, the input device will be removed from association with the previous QSM and will now be associated with the new QSM. Note: This will also remove any Energi Savr Node™ programming that the wireless device may have had through the previous QSM.

### Technical Assistance

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## BUTTON AND LED LOCATIONS



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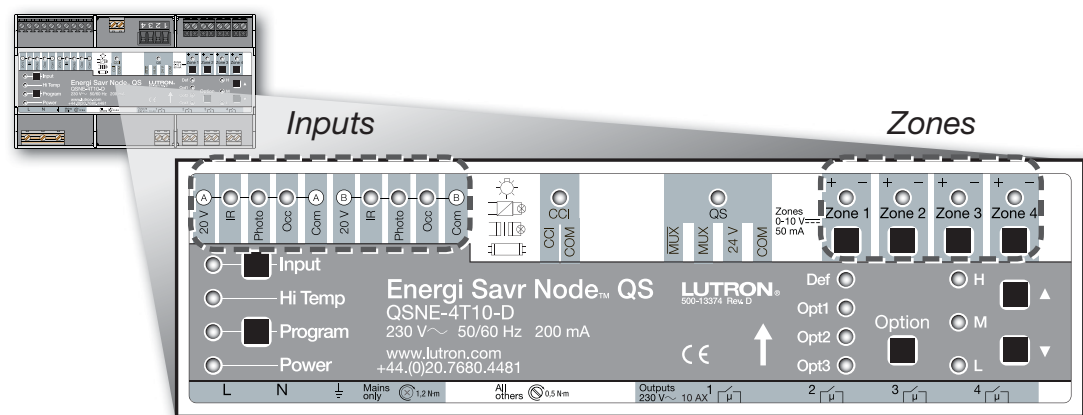
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## LEDs and BUTTON PRESSES

**LED states:**  
 ● OFF    ○ ON    ☀ Blink/Flash

See written instructions at right.



### A Load Setup

- 1. Enter Load Setup:** Press and hold the **Input** button for 3 seconds.
- 2. Select Option:** Press the **Option** button.
- Select Zone (if applicable):** Press the **Zone** button for the desired zone.
- Change Setting:** Press the **▲** or **▼** buttons to adjust settings.
- 4. Exit Load Setup:** Press and hold the **Input** button for 3 seconds.

### B ESN Wired Input Setup and Zone Assignment

- 1. Enter ESN Wired Input Setup:** Press and hold the **Input** button for 3 seconds.
- 2. Select Input:** Press the **Input** button. Selected input blinks.
- 3. Select Option:** Press the **Option** button. Save Option, Select Zone, Set Zone Level (IR receiver: Zone Mode Only), and Assign Zone steps are shown.
- 4. Set Zone Levels:** Press the **▲** or **▼** buttons to adjust zone levels.
- 5. Exit ESN Wired Input Setup:** Press and hold the **Input** button for 3 seconds.

### C QS Sensor Module (QSM) Input Setup

#### Associating Wireless Input Devices to a QSM

- 1. Enter QSM-ESN Association:** Press and hold the **Program** button for 3 seconds.
- 2. Associate QSM:** Press and hold the **Input** button for 3 seconds.
- 3. Exit QSM-ESN Association:** Press and hold the **Program** button for 3 seconds.

### D QS Sensor Module (QSM) Zone Assignment

#### Assigning Zones to QSM Inputs (Occupancy, Daylight, IR)

- 1. Enter Zone Assignment:** Press and hold the **Input** button for 3 seconds.
- 2. Select QSM:** Press the **Input** button.
- 3. Wired: Select Inputs to Display:** Press the **Option** button. **Wired: Select Input:** Press the **Input** button. **Selected Input Blinks:** The selected input blinks.
- Wireless: Select Occupancy Sensor:** Press and hold the **Input** button for 6 seconds.
- Wireless: Select Daylight Sensor:** Press and hold the **Input** button for 6 seconds.
- Selected Input Blinks:** The selected input blinks.
- 5. Assign Zones:** Press and hold the **Zone** button for 3 seconds.
- 6. Exit Zone Assignment:** Press and hold the **Input** button for 3 seconds.

## PROGRAMMING

### A Load Setup

- 1. Enter Load Setup:** Simultaneously press and hold the **Program** and **Input** buttons for 3 seconds. LEDs for Group 1 Inputs and 'Default' will blink once per second.
  - 2. Select option:** Tap zone, then press the **Option** button to select an option. Use the **▲** and **▼** buttons for each zone to select the choice for each option. For **Load Type** and **Absolute Minimum Light Level** options, first press the **Zone** button for the zone you wish to set up, then use the **▲** and **▼** buttons for each zone to select the choice for each option.
- | LED   | Option                        | Setting Choices   |
|---|-------------------------------|---|
| Opt 2 (not available on QSN-4S16-S)           | Load Type                     | High LED 0-10 V Dimming (default)<br>Med LED 10-0 V Dimming<br>Low LED Switched |
| Opt 3 (not available on QSN-4S16-S)           | High End Trim                 | High-Med LEDs down to 55%<br>100% (default)                                     |
| Default + Opt 1 (not available on QSN-4S16-S) | Low End Trim                  | Low-Med LEDs up to 45%<br>0% (default)  |
| Default + Opt 2                               | Absolute Minimum Light Level* | High-Med-Low LEDs down to 0% (default)<br>100%                                  |
- \* This setting is required in certain cities. Check local electrical codes to verify if required.
- Repeat step 2 for each desired zone.
  - 4. Exit Load Setup:** Simultaneously press and hold the **Program** and **Input** buttons for 3 seconds to exit.

### B Energi Savr Node™ (ESN) Unit Wired Input Setup

- 1. Enter ESN Wired Input Setup:** Press and hold the **Program** button for 3 seconds. LEDs for Group 1 'IR' and 'Program' will blink once per second.
- 2. Select input:** Press the **Program** button to select an input. Corresponding LED will blink. Also, LEDs of sensors wired to the Energi Savr Node™ unit will flash to help with identification.
- 3. Setup options:** Follow the appropriate section for each input below.
  - Infrared (IR) Sensor or Wired Wallstation:** The LED for the currently saved option will be steady on. Press the **Option** button to select the desired option. The LED for the selected option will flash.
 

LED	Option
Opt 1	Scene Mode
Opt 2	Zone mode (default)

**Save the selected option.** Press and hold the **Option** button for 3 seconds. The LED for the saved option will remain steady on.  
**Set zone level (Zone Mode only).** Select zone by pressing the **Zone** button for the zone you wish to set up, then use the **▲** and **▼** buttons to adjust the zone's preset light level.  
**Assign zone(s).** Press and hold the **Zone** button of the zone for 3 seconds to assign the zone to the selected input. A flashing zone LED indicates an assigned zone.  
**Repeat setting zone level (Zone Mode only) and zone assignment for each zone to be assigned to the selected input.**

Continued next column...

### Energi Savr Node™ (ESN) Unit Wired Input Setup - continued

- Daylight sensor (Photo):** Press and hold the **Zone** button of any zone for 3 seconds to assign the zone to the selected input. A flashing zone LED indicates an assigned zone.  
 Note: Each zone can only be assigned to a single daylight sensor input. The zone must be unassigned from the input before assigning to a different daylight sensor input.  
 To unassign a zone, press and hold the **Zone** button of the desired zone for 3 seconds. The zone LED will turn off to indicate an unassigned zone.
  - Occupancy sensor (Occ):** Press and hold the **Zone** button of any zone for 3 seconds to assign the zone to the selected input. A flashing zone LED indicates an assigned zone.  
 To unassign a zone, press and hold the **Zone** button of the desired zone for 3 seconds. The zone LED will turn off to indicate an unassigned zone.
  - Emergency input (CCI):** Set zone levels. Use the **▲** and **▼** buttons to adjust zone preset light levels.
- Repeat steps 2 and 3 for each desired input.
  - 5. Exit Input Setup.** Press and hold the **Program** button for 3 seconds to exit.

### C QS Sensor Module (QSM) Input Setup

#### Associating Wired Input Devices to a QSM

Once wired inputs are connected to the **QSM**, upon power up, the **QSM** will automatically detect and configure the wired inputs after a valid signal is received. For example: occupied room, IR signal, etc.  
 If any wired inputs are moved to a different connection on the **QSM**, the inputs will need to be re-detected. To force the **QSM** to re-detect all wired inputs, press and hold the **Program** button for 10 seconds.

#### Associating Wireless Input Devices to a QSM

Wireless input devices must be associated to only one **QSM** before they are assigned to control system devices.

- 1. Enter Input Setup.** Press and hold the **Program** button on the **QSM** for 3 seconds. You will hear a 1-second beep upon entering, and the 'Status' LED will blink.
- 2. Associate devices.** For each wireless device you wish to associate, press and hold the appropriate button on the device according to the following table:

Input Device	Button	Press For	Device Feedback	Maximum Per QSM
Radio Powr Savr™ Occupancy Sensor	☐ / Lights Off	6 seconds	LED flashes briefly	10
Radio Powr Savr™ Daylight Sensor	Link	6 seconds	LED flashes briefly	10
Pico™ Wireless Controller	Off Button	6 seconds	None	10

After each successful input association, **QSM** will respond with 3 long beeps (2 seconds each).  
 Note: If **QSM** responds in any other way, consult the **Troubleshooting** section on the first page of this guide.

- 3. Exit Input Setup.** Press and hold the **Program** button on the **QSM** for 3 seconds to exit.

#### QSM Association to an ESN Unit

- 1. Press and hold the Program button on the QSM for 3 seconds.** You will hear a 1-second beep upon entering, and the 'Status' LED will blink. The input LEDs on Energi Savr Node™ unit(s) on the QS link will sequence through each input group.
- 2. Associate QSM.** On the Energi Savr Node™ unit to which the **QSM** will be associated, press and hold the **Input** button for 3 seconds until the 'QSM' LED on the Energi Savr Node™ unit begins to flash.
- 3. Exit QSM Association.** Press and hold the **Program** button on the **QSM** for 3 seconds to exit.

### D QS Sensor Module (QSM) Zone Assignment

#### Assigning Zones to QSM Inputs (Occupancy, Daylight, IR)

- 1. Enter Zone Assignment.** Press and hold the **Program** button for 3 seconds. LEDs for Group 1 'IR' and 'Program' will blink once per second.
- 2. Select QSM.** Press the **Input** button on the Energi Savr Node™ unit to view **QSM** inputs. LEDs for 'Input' and 'Def' will blink once per second.
- 3. Wired Inputs: Select inputs to display.** Use the **Option** button on the Energi Savr Node™ unit to sequence through the following input groups. The option LEDs will blink to indicate which **QSM** wired input group is being displayed:

LED	Input Group	LED	Input Group
Def	QSM wired inputs 1 and 2.	Def + Opt 1	QSM wireless inputs 5 and 6.
Opt 1	QSM wired inputs 3 and 4.	Def + Opt 2	QSM wireless inputs 7 and 8.
Opt 2	QSM wireless inputs 1 and 2.	Def + Opt 3	QSM wireless inputs 9 and 10.
Opt 3	QSM wireless inputs 3 and 4.		

- 4. Select wired input:** Each input from an associated **QSM** will be indicated by a steady on input LED as listed below:

LED	Input Type
Occ	Indicates an associated QSM occupancy sensor (wired and wireless).
Daylight	Indicates an associated QSM daylight sensor (wired and wireless).
IR	Indicates an associated QSM IR receiver (wired only).

Press the **Program** button to sequence through each associated input. The LED corresponding to the selected input will blink (other associated input LEDs will remain steady on).

#### Select wireless input:

- Wireless Occupancy sensor: Press and hold the **Lights Off** or **☐** button for 6 seconds, until the sensor's dome begins to flash. The Energi Savr Node™ unit will automatically select that input.  
 Wireless Daylight sensor: Press and hold the **Link** button for 6 seconds, until the sensor's dome begins to flash. The Energi Savr Node™ unit will automatically select that input.
- 5. Assign zones.** Press and hold the **Zone** button of any zone for 3 seconds to assign the zone to the selected input. A flashing zone LED indicates an assigned zone.
  - 6. Exit Zone Assignment.** Press and hold the **Program** button for 3 seconds to exit.

## D QS Sensor Module (QSM) Zone Assignment - continued

### Assigning Zones to Pico® Wireless Controllers (through QSM)

- 1. Enter Pico® Wireless Controller Assignment**  
Press and hold 3 seconds
- 2. Select Option**  
Press
- 3. Assign Zone**  
Press and hold 3 seconds
- 4. Save Option**  
Press and hold 3 seconds
- 5. Exit Pico® Wireless Controller Assignment**  
Press

## E Wired seeTouch® QS Wallstation Setup

- 1. Enter Wallstation Setup**  
Press and hold 3 seconds
- 2. Select Option**  
Press
- 3. Assign Zones**  
Press and hold 3 seconds
- 4. Exit Wallstation Setup**  
Press and hold 3 seconds

## F GRAFIK Eye® QS Control Unit / GRAFIK Eye® QS Timeclock Setup

- 1. Enter GRAFIK Eye® QS Setup**  
Press and hold 3 seconds
- 2. Assign Zones**  
Press and hold 3 seconds
- 3. Exit GRAFIK Eye® QS Setup**  
Press and hold 3 seconds

## G QSE-IO Input/Output Interface Setup

### Scene Selection Control

- 1. Enter Scene Selection Setup**  
Press and hold 3 seconds
- 2. Assign Zones**  
Press and hold 3 seconds
- 3. Exit Scene Selection Setup**  
Press and hold 3 seconds

### Zone Toggle Control

- 1. Enter Zone Toggle Setup**  
Press and hold 3 seconds
- 2. Select Input**  
Press
- 3. Set Zone Level**  
Press
- 4. Assign Zones**  
Press and hold 3 seconds
- 6. Exit Zone Toggle Setup**  
Press and hold 3 seconds

## G QSE-IO Input/Output Interface Setup - continued

### Partition Control or Sequencing Control

- 1. Enter Partition/Sequencing Control Setup**  
Press and hold 3 seconds
- 2. Assign Zones**  
Press and hold 3 seconds
- 3. Exit Partition/Sequencing Control Setup**  
Press and hold 3 seconds

## H Occupancy Setup

- 1. Enter Occupancy Setup**  
Press and hold 3 seconds
- 2. Select Option**  
Press
- 3. Select Zone**  
Press
- 4. Exit Occupancy Setup**  
Press and hold 3 seconds

## D QS Sensor Module (QSM) Zone Assignment - continued

### Assigning Zones to Pico® Wireless Controllers (through QSM)

- 1. Enter Pico® wireless controller Assignment.** Simultaneously press and hold the **top and bottom** buttons on the Pico® wireless controller for 3 seconds. The QSM will beep for 1 second and the 'Status' LED on the QSM will flash 3 times per second. The Input LEDs on the Energi Savr Node™ unit(s) will flash sequentially through each input group, and all unassigned zones will turn off.
  - 2. Setup options.** Press the **Option** button to select the desired option. The LED for the selected option will flash.
- | LED   | Option              |
|-------|---------------------|
| Opt 1 | Scene mode          |
| Opt 2 | Zone Mode (default) |
- Save the selected option.** Press and hold the **Option** button for 3 seconds. The LED for the selected option will remain steady on.
- Zone Mode: Set zone levels.** Use the ▲ and ▼ buttons to adjust zone preset light levels. Note: If a zone is left off and is assigned, the default light level of 100% will be saved.
- Scene Mode:** Scene assignments are factory set. The top button is Scene 1, the bottom button is the Off Scene, and the Favorite button (if present) is Scene 16. Refer to Scene Setup to adjust zone levels for each scene.
- 3. Assign zones.** Press and hold the **Zone** button of the desired zone for 3 seconds. A blinking 'Zone' LED indicates an assigned zone.
- 4.** Repeat steps 2 and 3 for each desired zone-to-Pico® wireless controller assignment.
- 5. Exit Pico® wireless controller Assignment.** Simultaneously press and hold the **top and bottom** buttons on the Pico® wireless controller for 3 seconds to exit.

## E Wired seeTouch® QS Wallstation Setup

- 1. Enter Wallstation Setup.** Simultaneously press and hold the **top and bottom** buttons (excluding raise/lower) on the wallstation for 3 seconds. The Input LEDs on the Energi Savr Node™ unit(s) will flash sequentially through each input group.  
Note: On wallstations with dual columns, each column is set up separately.
- 2. Select option.** Press the **Option** button on the Energi Savr Node™ unit to select the scene wallstation type. LED for currently saved type will remain steady on.

Flashing LED	Scene Wallstation Type	Flashing LED	Scene Wallstation Type
Default	'Scene + off'	Opt 2	'Zone Toggle'
Opt 1	'Scene'	Opt 3	'Special Mode' (Partitioning, Sequencing)*

- \* Wallstation must already be set up as a Partitioning or Sequencing Control. If any other Wallstation Type is selected for a Special Mode wallstation, the wallstation is 'reprogrammed' to the selected type, and cannot be re-selected as a Special Mode wallstation.
- Save option.** Press and hold the **Option** button for 3 seconds to save the wallstation type. The LED for the selected wallstation type will flutter for 1 second, then remain steady.
- Assign zones to buttons (Zone Toggle only).** To assign a specific Energi Savr Node™ unit zone to a wallstation button, press the wallstation button you wish to assign. The button LED will blink slowly.
- Set zone levels (Zone Toggle only).** Use the ▲ and ▼ buttons to adjust zone preset light levels.
- 3. Assign zones.** Press and hold the **Zone** button of the desired zone for 3 seconds to assign the zone to the wallstation. A blinking 'Zone' LED indicates an assigned zone.  
To un-assign Energi Savr Node™ unit zones from a specific wallstation, press and hold the **Zone** button of the desired zone for 3 seconds. The 'Zone' LED will turn off to indicate the zone is unassigned.
- 4. Exit Wallstation Setup.** Simultaneously press and hold the **top and bottom** buttons on the wallstation for 3 seconds to exit.

## F GRAFIK Eye® QS Control Unit / GRAFIK Eye® QS Timeclock Setup

Refer to the Installation Instructions provided with the GRAFIK Eye® QS control unit or GRAFIK Eye® QS timeclock to set up time events.

- 1. Enter GRAFIK Eye® QS Setup.** Simultaneously press and hold the top and bottom scene buttons on the GRAFIK Eye® QS unit for 3 seconds. The input LEDs on the Energi Savr Node™ unit(s) will flash sequentially through each input group.
- 2. Assign zones.** Press and hold the desired **Zone** button on the Energi Savr Node™ unit for 3 seconds to assign the zone. A flashing 'Zone' LED indicates an assigned zone.  
To un-assign Energi Savr Node™ unit zones from a GRAFIK Eye® QS unit, press and hold the desired **Zone** button on the Energi Savr Node™ unit for 3 seconds. The 'Zone' LED will turn off to indicate the zone is unassigned.
- 3. Exit GRAFIK Eye® QS Setup.** Simultaneously press and hold the top and bottom buttons on the GRAFIK Eye® QS unit for 3 seconds to exit.

## G QSE-IO Input/Output Interface Setup

### Scene Selection Control

Refer to the Installation Instructions provided with the QSE-IO for proper DIP switch settings.

The Energi Savr Node™ unit can be associated to a QSE-IO that is set in a Scene configuration. This can be used to change scenes on your Energi Savr Node™ unit using contact closure inputs on the QSE-IO, or to monitor scene changes on your Energi Savr Node™ unit using contact closure outputs on the QSE-IO.

To associate a QSE-IO that is set in a Scene configuration to an Energi Savr Node™ unit(s):

- 1. Press and hold the Program button** on the QSE-IO for 3 seconds. The 5 output LEDs on the QSE-IO will flash sequentially through each input group.
- 2. Assign zones.** Press and hold the desired **Zone** button on the Energi Savr Node™ unit for 3 seconds to assign the zone to the QSE-IO. A flashing 'Zone' LED indicates an assigned zone.  
To un-assign zones from the QSE-IO, press and hold the desired **Zone** button on the Energi Savr Node™ unit for 3 seconds. The 'Zone' LED will turn off to indicate the zone is unassigned.
- 3. Exit Scene Selection Setup.** Press and hold the **Program** button on the QSE-IO for 3 seconds.

### Zone Toggle Control

Refer to the Installation Instructions provided with the QSE-IO for proper DIP switch settings.

The Energi Savr Node™ unit can be associated to a QSE-IO that is set in Zone Toggle configuration. This can be used to toggle zones on your Energi Savr Node™ unit using contact closure inputs into the QSE-IO, or to monitor the state (on or off) of the zones on your Energi Savr Node™ unit using contact closure outputs out of the QSE-IO.

To associate a QSE-IO that is set in a Zone Toggle configuration to an Energi Savr Node™ unit(s):

- 1. Enter Zone Toggle Setup.** Press and hold the **Program** button on the QSE-IO for 3 seconds. The first output LED will flash indicating "input 1" is selected. The input LEDs on the Energi Savr Node™ unit(s) will flash sequentially through each input group.
- 2. Select input.** Tap the **Program** button on the QSE-IO to select an input. Corresponding LED will blink.
- 3. Set light levels.** Use the ▲ and ▼ buttons on the Energi Savr Node™ unit to set the desired light level for the desired zone.
- 4. Assign zones.** Press and hold the desired **Zone** button on the Energi Savr Node™ unit for 3 seconds to assign the zone to "input 1" on the QSE-IO. A flashing 'Zone' LED indicates an assigned zone.  
To un-assign zones from the QSE-IO, press and hold the desired **Zone** button on the Energi Savr Node™ unit for 3 seconds. The 'Zone' LED will turn off to indicate the zone is unassigned.
- 5.** Repeat steps 2-4 for each desired zone and QSE-IO input.
- 6. Exit Zone Toggle Setup.** Press and hold the **Program** button on the QSE-IO for 3 seconds to exit.

### Partition Control

Refer to the Installation Instructions provided with the QSE-IO for proper DIP switch settings.

The Energi Savr Node™ unit can be associated to a QSE-IO that is set in Partition Control configuration. This can be used to select scenes on your Energi Savr Node™ unit using contact closure inputs into the QSE-IO, based on the status of movable walls.

To associate a QSE-IO that is set in a Partition Control configuration to an Energi Savr Node™ unit(s):

- 1. Enter Partition Control Setup.** Press and hold the **Program** button on the QSE-IO for 3 seconds. The first output LED will flash indicating "input 1" is selected. The input LEDs on the Energi Savr Node™ unit(s) will flash sequentially through each input group.
- 2. Select input.** Tap the **Program** button on the QSE-IO to select an input. Corresponding LED will blink.
- 3. Assign zones.** Press and hold the desired **Zone** button on the Energi Savr Node™ unit for 3 seconds to assign the zone to "input 1" on the QSE-IO. A flashing 'Zone' LED indicates an assigned zone.  
To un-assign zones from the QSE-IO, press and hold the desired **Zone** button on the Energi Savr Node™ unit for 3 seconds. The 'Zone' LED will turn off to indicate the zone is unassigned.
- 4.** Repeat steps 2 and 3 for each desired zone and QSE-IO input.
- 5. Exit Partition Control Setup.** Press and hold the **Program** button on the QSE-IO for 3 seconds to exit.

### Sequencing Control

Refer to the Installation Instructions provided with the QSE-IO for proper DIP switch settings.

The Energi Savr Node™ unit can be associated to a QSE-IO that is set in Sequencing Control configuration. This can be used to start and stop automatic sequencing of scenes 5-16.

To associate a QSE-IO that is set in a Sequencing Control configuration to an Energi Savr Node™ unit(s):

- 1. Enter Sequencing Control Setup.** Press and hold the **Program** button on the QSE-IO for 3 seconds. The first output LED will flash indicating "input 1" is selected. The input LEDs on the Energi Savr Node™ unit(s) will flash sequentially through each input group.
- 2. Assign zones.** Press and hold the desired **Zone** button on the Energi Savr Node™ unit for 3 seconds to assign the zone to "input 1" on the QSE-IO. A flashing 'Zone' LED indicates an assigned zone.  
To un-assign zones from the QSE-IO, press and hold the desired **Zone** button on the Energi Savr Node™ unit for 3 seconds. The 'Zone' LED will turn off to indicate the zone is unassigned.
- 3. Exit Sequencing Control Setup.** Press and hold the **Program** button on the QSE-IO for 3 seconds to exit.

## H Occupancy Setup

### Set Zone Response to Occupancy Sensors

- 1. Enter Occupancy Setup.** Simultaneously press and hold the **Program** and **Input** buttons for 3 seconds. LEDs for Group 1 Inputs and 'Default' for each zone will flash.
- 2. Select 'Def' (default).** Use the **Option** button to select 'Def'.
- 3. Select response.** Select a zone, then use the ▲ and ▼ buttons to select the response type for each desired zone:

Flashing LED	Zone Response Type
High	Occupancy mode (auto on/off)
Med	Vacancy mode (manual on/auto off)

- 4. Exit Occupancy Setup.** Simultaneously press and hold the **Program** and **Input** buttons for 3 seconds to exit.

## H Occupancy Setup - continued

### Select Scene for Occupied State

- 1. Enter Occupied State Setup**  
  
 Simultaneously Press and hold 3 seconds
- 2. Select Scene (Scenes 1-4)**  
  
 Press
- View Scenes 5-16**  
  
 Press and hold 10 seconds
- Select Scene (Scenes 5-16)**  
  
 Press
- 3. Set Occupied Scene**  
  
 Press and hold 3 seconds
- 4. Exit Occupied State Setup**  
  
 Simultaneously Press and hold 3 seconds

## I Daylighting Setup

- 1. Enter Daylighting Setup**  
  
 Press and hold 3 seconds
- 2. Select Option**  
  
 Press
- 3. Select Zone**  
  
 Press
- 4. Set Zone Levels**  
  
 Press
- 6. Exit Daylighting Setup**  
  
 Press and hold 3 seconds

## J Scene Setup

- 1. Enter Scene Setup**  
  
 Simultaneously Press and hold 3 seconds
- 2. Select Scene (Scenes 1-4)**  
  
 Press
- View Scenes 5-16**  
  
 Press and hold 10 seconds
- Select Scene (Scenes 5-16)**  
  
 Press
- 3. Select Zone**  
  
 Press
- Set Zone Levels**  
  
 Press
- 4. Exit Occupied State Setup**  
  
 Simultaneously Press and hold 3 seconds

## H Occupancy Setup - continued

### Select Scene for Occupied State

Note: All zones use the same 'Occupied Scene' and cannot be set on a zone-by-zone basis. All zones use the 'Off Scene' for the unoccupied/vacant state.

- 1. Enter Occupied State Setup.** Simultaneously press and hold the **Program** and **Option** buttons for 3 seconds. Group 2 Input LEDs will flash, and the 'Default' LED will light.
- 2. Select Scene.** Press the **Option** button to select a scene:

#### Scenes 1-4

LED Legend: ○ = steady on ● = off

Scene #	LED Pattern	Default Level
1		100%
2		75%
3		50%
4		25%

#### Scenes 5-16

Press and hold the **Option** button for 10 seconds, then use the **Option** button to select a scene.

LED Legend: ☀ = flashing ● = off

Scene #	LED Pattern	Default Level
5		100%
6		100%
7		100%
8		100%
9		100%
10		100%
11		100%
12		100%
13		100%
14		100%
15		100%
16		100%

- 3. Set 'Occupied Scene'.** Press and hold the **Input** button for 3 seconds to set the currently selected scene as the 'Occupied Scene'. The 'QSM' and 'Wired' LEDs will turn on to indicate the selection is complete.
- 4. Exit Occupied State Setup.** Simultaneously press and hold the **Program** and **Option** buttons for 3 seconds to exit.

## I Daylighting Setup

Daylighting setup should be performed during the daytime when there is consistent but indirect sunlight. Dark, cloudy days or days with highly variable cloud cover that frequently changes the sunlight conditions should be avoided. Additionally, times of day when the sunlight penetrates directly into the space should be avoided (such as morning or evening).

### Set Daylight Sensor Setpoint

- 1. Enter Daylighting Setup.** Simultaneously press and hold the **Program** and **Input** buttons for 3 seconds. LEDs for Group 1 Inputs and 'Default' for each zone will flash.
- 2. Select option.** Use the **Option** button to select 'Opt1'.
- 3. Select Zone.** Use the **Zone** button to select the zone to change.
- 4. Set light levels.** Select a zone first, then use the **▲** and **▼** buttons to set the approximate light level (or, in the case of switched zones, the minimum light level) that you wish to maintain in the space.
- Repeat steps 3 and 4 for each zone.
- 6. Exit Daylighting Setup.** Simultaneously press and hold the **Program** and **Input** buttons for 3 seconds to exit.

## J Scene Setup

- 1. Enter Scene Setup.** Simultaneously press and hold the **Program** and **Option** buttons for 3 seconds. Group 2 Input LEDs will flash, and the 'Default' LED will light.
- 2. Select Scene.** Press the **Option** button to select a scene:

#### Scenes 1-4

LED Legend: ○ = steady on ● = off

Scene #	LED Pattern	Default Level
1		100%
2		75%
3		50%
4		25%

#### Scenes 5-16

Press and hold the **Option** button for 10 seconds, then use the **Option** button to select a scene.

LED Legend: ☀ = flashing ● = off

Scene #	LED Pattern	Default Level
5		100%
6		100%
7		100%
8		100%
9		100%
10		100%
11		100%
12		100%
13		100%
14		100%
15		100%
16		100%

- 3. Set light levels.** Press the **Zone** button to select the desired zone to set levels. Use the **▲** and **▼** buttons to adjust the light level for the zone. Repeat for any other zones you wish to change.  
 To make a zone unaffected, press and hold the **▼** button until only the 'Med' LED is steady on.  
 To make a zone affected again, press the **▲** button until you see a combination of the 'High', 'Med', and 'Low' LEDs steady on or flashing.
- 4. Exit Scene Setup.** Simultaneously press and hold the **Program** and **Option** buttons for 3 seconds to exit.

Note: The fade time between scenes is factory set to 3 seconds, and is not adjustable.

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