Energi Savr Node™ manual programming guide

English

Energi Savr Node™ with Phase Adaptive Control
(QSNE-4A-D)

IMPORTANT NOTES

1. 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 marketplace.
2. Only use compatible Lutron® sensors and controls.

USING THIS GUIDE

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

LOAD SETUP

All Energi Savr Node™ (ESN) units

Read:

A Load Setup

Energi Savr Node™ with Phase Adaptive Control
(QSNE-4A-D)

CONFIGURATION WHEN USING WIRED INPUTS

After Load Setup, if you have a QSM wired to the ESN QS Link terminal block, read sections B QSM Sensor Module (QSM) Input Setup and E QSM 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 subsections to read for each type of connected device.

B QSM Sensor Module (QSM) Wires to “QS Link” Terminal Block on ESN

QSM Wired Input Devices

Wires to Input Terminal Blocks on QSM

Read:

B Subsection: Assign Zones to QSM Inputs

Wired Occupancy Sensor

Additional Sections:

C Occupancy Setup

D Subsection: Assign Zones to QSM Inputs

Wired Daylight Sensor

Additional Sections:

E Daylighting Setup

F Subsection: Assign Zones to QSM Inputs

Infrared (IR) Sensor

Additional Sections:

G Subsection: Assign Zones to QSM Inputs

Picco™ Wireless Controller

Additional Sections:

H Subsection: Assign Zones to Picco™ Wireless Controller (Through QSM)

QSM Wireless Input Devices

Communicates with QSM via Radio Frequency (RF) Protocol

Read:

B Subsection: Assigning Wireless Input Devices to a QSM

Wireless Occupancy Sensor

Additional Sections:

C Occupancy Setup

F Subsection: Assign Zones to QSM Inputs

Wireless Daylight Sensor

Additional Sections:

E Daylighting Setup

F Subsection: Assign Zones to QSM Inputs

Picco™ Wireless Controller

Additional Sections:

H Subsection: Assign Zones to Picco™ Wireless Controller (Through QSM)

Other QS Link Devices

If you have other devices wired to the ESN QS Link terminal block, see below to determine which additional subsections to read.

Button and LED Locations

Button

LED

Inputs

Zones

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## PROGRAMMING

### A Load Setup

1. **Enter Setup Mode**: Simultaneously press and hold the "Prog" and "Input" buttons for 3 seconds. The "Prog" and "Input" buttons will flash once each second.
2. **Select Zone**: Press a "Zone" button to select a zone. The LED will turn off once per second.
3. **Select Option**: Press the "Opt 1" button to select an option. Use the "Opt 2" and "Opt 3" buttons to select additional options.
4. **Select Zone Type**: Press the "Opt 4" button to select a zone type. The LED for the selected option will remain steady on.

### B Energy Saver Node® (ESN) Wired Input Setup and Zone Assignment

1. **Enter Program Model**: Press and hold the "Prog" button for 3 seconds. The "Prog" LED will blink once every second.
2. **Change Sensor Type mode**: Press and hold the "Opt 1" or "Opt 2" button for 3 seconds. The "Prog" and "Input" LEDs will flash once per second.
3. **Select Input**: Press the "Prog" button to select an input. When an input is selected, the input will flash once per second.
4. **Select Sensor Type**: Press the "Opt 1" or "Opt 2" button to select a sensor type. The LED for the selected option will remain steady on.
5. **Assign Zone**: Press and hold the "Opt 3" button for 3 seconds to assign the sensor type to the selected zone. The LED for the currently saved option will be steady on.

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

1. **Enter QSM Wireless Input Setup**: Press and hold the "Prog" button for 10 seconds. The "Prog" LED will begin to flash once per second.
2. **Enter QSM Wireless Input Setup**: Press and hold the "Prog" button for 10 seconds. The "Prog" LED will begin to flash once per second.
3. **Select Zone**: Press the "Opt 1" button to select a zone. The LED for the selected option will remain steady on.
4. **Select Zone Type**: Press the "Opt 2" button to select a zone type. The LED for the selected option will remain steady on.
5. **Select Zone**: Press the "Opt 3" button to select a zone. The LED for the selected option will remain steady on.

## QSM Sensor Module (QSM) Input Setup

### B Energy Saver Node® (ESN) Wired Input Setup - continued

1. **Exit Setup Mode**: Press and hold the "Prog" button for 3 seconds. You will hear a 1-second beep upon entering, and the Status LED will blink. To exit the QSM setup mode, press and hold the "Prog" button for 10 seconds.

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

1. **Enter Program Model**: Press and hold the "Prog" button for 3 seconds. The "Prog" LED will blink once every second.
2. **Select Sensor Type mode**: Press and hold the "Opt 1" or "Opt 2" button for 3 seconds. The "Prog" and "Input" LEDs will flash once per second.
3. **Select Input**: Press the "Prog" button to select an input. When an input is selected, the input will flash once per second.
4. **Select Sensor Type**: Press the "Opt 1" or "Opt 2" button to select a sensor type. The LED for the selected option will remain steady on.
5. **Assign Zone**: Press and hold the "Opt 3" button for 3 seconds to assign the sensor type to the selected zone. The LED for the currently saved option will be steady on.

### D. Occupancy Sensor (“CCS”): Assign zone(s)

- **Press and hold the “Prog” button for 3 seconds. The LED for the selected input will remain steady ON.**
- **Select zone(s):** Press and hold the “Zone” button of the zone to assign to the sensor. The “Zone” LED will begin to flash once per second.

### E. Emergency Input (“CCF”): The default emergency levels are 100% for all zones. Zones cannot be assigned from emergency CCF inputs.

- **Set zone level:** Press and hold the “Zone” button of the zone you wish to set up, then use the "Opt 1" and "Opt 2" buttons to adjust the zone emergency levels.

### F. Exit Program Mode**: Press and hold the "Prog" button for 3 seconds to exit.
### QS Sensor Module (QSM) Zone Assignment

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Enter Program Mode. Press and hold the “Prog” button for 3 seconds. The “Prog” LED will flash once per second. The QSM will flash once per second and the “Type” LED(s) will flash three times per second. The “Input” LED(s) will flash once per second and the “Type” LED(s) will flash three times per second. <strong>Note:</strong> The QSM must be assigned to ESN before assigning zones. See Section B.</td>
</tr>
<tr>
<td>2.</td>
<td>Select QSM. Press the “Input” button on the ESN(s) to display the QSM. The “Input” LED will flash once per second and the “Def” DefaultLED option will remain (see below).</td>
</tr>
<tr>
<td>3.</td>
<td>Select input. Press and hold the “LED” button for 3 seconds. The sensor “Type” LEDs on the ESN(s) will scroll sequentially through each input type.</td>
</tr>
<tr>
<td>4.</td>
<td>Assign Zones. Press and hold the desired “Zone” button on the ESN for 3 seconds to assign the zone to the selected input. A flashing “Zone” LED indicates an assigned zone. To un-assign zones from a QSM QSE-IO, press and hold the desired “Zone” button on the ESN for 3 seconds. The “Zone” LED will turn off to indicate the zone is unassigned.</td>
</tr>
<tr>
<td>5.</td>
<td>Exit Program Mode. Press and hold the “Prog” button for 3 seconds to exit.</td>
</tr>
</tbody>
</table>

**Refer to the Installation Instructions provided with the QSM for QSM input assignment.**

### Wired seeTouch, QS Wallstation Setup - continued

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Enter Wallstation Setup. Press and hold the “Prog” button for 3 seconds. The “Prog” LED will turn off to indicate the zone is unassigned. <strong>Note:</strong> The “Type” LED(s) after assigning input will scroll sequentially throughout each input type.</td>
</tr>
<tr>
<td>2.</td>
<td>Select Option. Press the “Option” button on the ESN(s) to select the wallstation type. LED(s) will turn off to indicate the zone is unassigned. <strong>Note:</strong> On wallstations with dual columns, each column is set as separate.</td>
</tr>
</tbody>
</table>
**Figure H** Occupancy Setup

1. Enter Zone Setup Mode. Simultaneously press and hold the "Prog" (Program) and "Input" buttons for 3 seconds. The "Prog" and "Def" (Default), "H", "M", and "L" (Lights) LEDs will blink once per second.
2. Select Zone. Use the "Option" button to select a zone.
3. Select Zone. Press the "Zone" button to select the zone you want to change.
4. Select Zone. Use the "Type" button to select the type of occupied zone for each desired zone.

**Figure I** Daylighting Setup

1. Enter Scene Setup Mode. Simultaneously press and hold the "Prog" (Program) and "Input" buttons for 3 seconds. The "Prog" and "Def" (Default), "H", "M", and "L" (Lights) LEDs will blink once per second.
2. Select Option. Use the "Option" button to select the type of daylighting setup.
3. Select Zone. Use the "Zone" button to select the zone to change.
4. Set light levels. Press the "H", "M", and "L" buttons (or press and hold 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.
5. Exit Scene Setup Mode. Simultaneously press and hold the "Prog" and "Input" buttons for 3 seconds to exit.

**Figure J** Scene Setup

1. Enter Scene Setup Mode. Simultaneously press and hold the "Prog" (Program) and "Option" buttons for 3 seconds. The "Def" (Default) LED will be steady ON and the "Prog" (Program) and "Option" (Scene) LEDs will blink once per second.
2. Select Scene. Press the "Option" button to select a scene.

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<td>Spain</td>
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<tr>
<td>Southern China</td>
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