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 QSM Sensor Module (QSM) Input Setup and 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 sections to read for each type of connected device.

QSM Wired Input Devices
Wires to Input Terminal Blocks on QSM
Read:
- Subsection: Associating Wired Input Devices to a QSM
  - Wired Occupancy Sensor
    - Additional Sections:
      - Occupancy Setup
      - Subsection: Assign Zones to QSM Inputs
  - Wired Daylight Sensor
    - Additional Sections:
      - Daylighting Setup
      - Subsection: Assign Zones to QSM Inputs
  - Wired Wallstation via Infrared (IR) Sensor
    - Additional Sections:
      - Subsection: Assign Zones to QSM Inputs
  - Wired Wallstation via "Occ" Input
    - Additional Sections:
      - Occupancy Setup
      - Subsection: Assign Zones to QSM Inputs
  - Wired Wallstation via "RI" Input
    - Additional Sections:
      - Occupancy Setup
      - Subsection: Assign Zones to QSM Inputs
- Wired Dry Contact Closure Switch
  - Additional Sections:
    - CCO 1 NO
    - CCO 2 NC
    - CCO 3 NC
    - CCO 3 NO
    - CCO 4 NC
  - Wired COM Input
    - Additional Sections:
      - Occupancy Setup
      - Subsection: Assign Zones to QSM Inputs
- Wired Pico® Wireless Controller
  - Additional Sections:
    - Subsection: Assign Zones to Pico® Wireless Controller (through QSM)

QSM Wireless Input Devices
Communicates with QSM via RF or QSM Sensor (QSN) via the QSM
Read:
- Subsection: Associating Wireless Input Devices to a QSM
  - Wireless Occupancy Sensor
    - Additional Sections:
      - Occupancy Setup
      - Subsection: Assign Zones to QSM Inputs
    - Subsection: Wireless Input Devices to a QSM
      - Additional Sections:
        - Daylighting Setup
        - Subsection: Assign Zones to QSM Inputs

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.

- Wired wallstation via touch: QS Wallstations Programming
- Wired PICO® wireless controller
- Wired Coopersburg, PA 18036-1299, U.S.A.
### 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 options.** Press the **Option** button to select the option and then use the **input** and **buttons for each zone to select the desired option for each input.**

<table>
<thead>
<tr>
<th>Option</th>
<th>Setting Choices</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LED</strong></td>
<td><strong>High LED</strong>, <strong>Low LED</strong>, <strong>Recall</strong></td>
</tr>
<tr>
<td><strong>High LED</strong></td>
<td><strong>100% maximum (default)</strong></td>
</tr>
<tr>
<td><strong>Low LED</strong></td>
<td><strong>0% minimum</strong></td>
</tr>
</tbody>
</table>

- **Opt 1** - **High LED and Low LED**
- **Opt 2** - **High-Med-Low LEDs**
- **Opt 3** - **Low End Trim Low-Med LEDs**
- **Opt 4** - **Med LED 10-0 V Dimming**
- **Opt 5** - **Low End Trim Med-Low LEDs**
- **Opt 6** - **High LED 0-10 V Dimming (default)**

#### 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 **Off** and **On** will blink once per second.

2. **Select input.** Tap the **Program** button to select an input. Corresponding **LED** (located above input terminal) will blink. **Buttons** of sensors selected to the Energi Savr Node will flash to help with identification.

3. **Setup options.** Follow the appropriate section for each input below.

   - **a. Occupancy sensor:**
     - **Assign zone(s):** Simultaneously press then release the **input** and **buttons of any zone to assign to the zone to the selected input.** A flashing **LED** indicates an assigned zone.
     - **Unassign zone(s):** Simultaneously press then release the **input** and **buttons of desired zone(s).** The **LED** will turn off to indicate an unassigned zone.

   - **b. Daylight sensor:**
     - **Assign zone(s):** Simultaneously press then release the **input** and **buttons of zone(s) to assign to the daylight sensor.** A flashing **LED** indicates an assigned zone.
     - **Unassign zone(s):** Simultaneously press then release the **input** and **buttons of desired zone(s).** The **LED** will turn off to indicate an unassigned zone.

4. **C. IR receiver/Walls沙特:**

   - **Enter ESN Wired Input Setup.** Press and hold the **Program** button for 3 seconds. The **LED** will remain steady on.

5. **D. Switch input:**

   - **Assign zone(s):** Simultaneously press then release the **input** and **buttons of any zone to assign to the zone to the selected input.** A flashing **LED** indicates an assigned zone. A **Zone** LED that is off indicates an unassigned zone.

6. **E. Wireless scene recall:**

   - **Assign zone(s):** Simultaneously press then release the **input** and **buttons of any zone to assign to the zone to the selected input.** A flashing **LED** indicates an assigned zone. A **Zone** LED that is off indicates an unassigned zone.

7. **F. Program button for 3 seconds**

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

**QSM Sensor Module (QSM) Input Setup**

- **QSM Association to an ESN Unit:**
  - **Press and hold the **Program** button for 3 seconds.**
  - **Save the selected option.**

- **QSM Sensor Module (QSM) Input Setup (continued)**

  - **Press and hold the **Program** button for 3 seconds.**
  - **Save the selected option.**

### Help

- **1-800-523-9468** U.S.A., Canada and the Caribbean
- **1-888-235-2910** México
- **1-610-282-3800** Others

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**Lutron Electronics Co., Inc.** 7200 Sitter Road Coopersburg, PA 18036-1299, U.S.A.
**QS Sensor Module (QSM) Zone Assignment**

1. Enter Zone Assignment. Press and hold the Program button on the Energi Savr Node™ unit for 3 seconds. LEDs for Group 1-5 will flash once per second.

2. Select Option(s). Press and hold the Input button on the Energi Savr Node™ unit to select option(s). Each input from an associated QSM will be indicated by a steady on input LED as listed below:

   - **W** wired (wired inputs 1-4).
   - **B** identified as a daylight sensor (wired and wireless inputs 1-4).
   - **R** identified as a wireless sensor (wireless only).

3. Assign zones. Simultaneously press the buttons of any zone to assign or unassign the zone. A blinking ‘Zone’ LED indicates an assigned zone. A ‘Zone’ LED that is off indicates an unassigned zone. Note: Any zone set to “Receptacle” load type cannot be assigned to a daylight sensor.

4. Exit Zone Assignment. Press and hold the Program button for 3 seconds to exit.

**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 to enter Zone Assignment mode. 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 save the desired option. The LED for the selected option will flash.

   - **D** default (all inputs for Group 1-5 will flash sequentially through each input group, and all unassigned zones will turn off).
   - **S** select (located in Scroll menu).

3. Exit Zone Assignment. Press and hold the Program button for 3 seconds to exit.

**Scene Selection Control**

1. Enter Zone Selection Programming. Press and hold the Program button on the Energi Savr Node™ unit for 3 seconds. The input LEDs on the Energi Savr Node™ unit(s) will flash sequentially through each input group.

2. Select input. Press the Option button on the Energi Savr Node™ unit to select the scene whose type is to be changed. For a selected input to be programmed, press the button while the button LED is on.


**Scene Button and/or Remote Timeclock Events can affect selected Energi Savr Node™ zones**

1. Enter GRAFIK Eye® QS or QS Timeclock Programming. Simultaneously press and hold the top and bottom buttons on the GRAFIK Eye® QS or QS Timeclock unit using contact closure inputs out of the QSE-IO. (Refer to the Installation Instructions provided with the QSE-IO for proper DIP switch settings.)

2. Assign/unassign zones. Simultaneously press the button of any zone to assign or unassign the zone. A blinking ‘Zone’ LED indicates an assigned zone. A ‘Zone’ LED that is off indicates an unassigned zone. Note: Any zone set to “Receptacle” load type cannot be assigned to a daylight sensor.

3. Exit Scene Selection Programming. Press and hold the Program button on the GRAFIK Eye® QS or QS Timeclock unit using contact closure inputs out of the QSE-IO for 3 seconds to exit.

**Zone Toggle Control**

1. Enter Zone Toggle Programming. Press and hold the Program button on the Energi Savr Node™ unit for 3 seconds. The input LEDs on the Energi Savr Node™ unit(s) will flash sequentially through each input group.

2. Select input. Press the Option button on the Energi Savr Node™ unit to select the scene whose type is to be changed. For a selected input to be programmed, press the button while the button LED is on.

3. Exit Zone Toggle Programming. Press and hold the Program button on the Energi Savr Node™ unit using contact closure inputs out of 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. This can be used to view or detach some actuators automatically on zones set to the Energi Savr Node (QSM) unit and/or GRAFIK Eye® QS control units based on the position of movable walls.

1. Enter Partition Control Programming. 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 (QSM) unit will flash sequentially through each input.

2. Select input. Tap the Program button on the QSE-IO to select an input. Corresponding LED will blink.

3. Assign zones. Simultaneously press then release the Option buttons on the Energi Savr Node (QSM) unit to assign each desired zone to 'input 1' of the QSE-IO. A flashing ‘Zone’ LED indicates an assigned zone.

To unassign zones from the QSE-IO, simultaneously press then release the Option buttons for the desired zone. The ‘Zone’ LED will turn off to indicate the zone is unassigned.

**Sequencing Control**

Refer to the Installation Instructions provided with the QSE-IO for proper DIP switch settings. The Energi Savr Node (QSM) unit can be associated to an Energi Savr Node (QSM) unit or GRAFIK Eye® QS control units based on the position of movable walls.

1. Enter Sequencing Control Programming. 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 (QSM) unit will flash sequentially through each input.

2. Assign zones. Simultaneously press then release the Option buttons on the Energi Savr Node (QSM) unit to assign each desired zone to ‘input 1’ of the QSE-IO. A flashing ‘Zone’ LED indicates an assigned zone.

To unassign zones from the QSE-IO, simultaneously press then release the Option buttons for the desired zone. The ‘Zone’ LED will turn off to indicate the zone is unassigned.

**Sequencing Control**

Refer to the Installation Instructions provided with the QSE-IO for proper DIP switch settings. The Energi Savr Node (QSM) unit can be associated to a QSE-IO that is set in Sequencing Control configuration. This can be used to

1. Enter Sequencing Control Programming. 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 (QSM) unit will flash sequentially through each input.

2. Assign zones. Simultaneously press then release the Option buttons on the Energi Savr Node (QSM) unit to assign each desired zone to ‘input 1’ of the QSE-IO. A flashing ‘Zone’ LED indicates an assigned zone.

To unassign zones from the QSE-IO, simultaneously press then release the Option buttons for the desired zone. The ‘Zone’ LED will turn off to indicate the zone is unassigned.

**Occupancy Setup**

Refer to the Installation Instructions provided with the QSE-IO for proper DIP switch settings. The Energi Savr Node (QSM) unit can be associated to a QSE-IO that is set in Sequencing Control configuration. This can be used to

1. Enter Occupancy Setup. Press and hold the Program 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.

2. Select Default. Press the Option button to select the default scene type for each desired zone.

3. Exit Occupancy Setup. Press and hold the Program button for 3 seconds to exit.

**Scene Setup**

Refer to the Installation Instructions provided with the QSE-IO for proper DIP switch settings. The Energi Savr Node (QSM) unit can be associated to a QSE-IO that is set in Sequencing Control configuration. This can be used to

1. Enter Scene Setup. Press and hold the Program button for 3 seconds to enter the currently selected scene as the ‘Occupied Scene’. The ‘QSM’ and ‘Wired’ LEDs will turn on to indicate the selection is complete.

2. Exit Scene Setup. Press and hold the Program button for 3 seconds to exit.

**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, some time of day when the sunlight sometimes directly into the space should be avoided such as morning or evening.

Note: Any zone set to “Receptacle” load type cannot be assigned to a daylight scene.

1. Enter Daylighting Setup. Simultaneously press and hold the Program and Option buttons for 3 seconds. LEDs for Group 1 inputs will flash, and the Default LED will light.

2. Select Option. Use the Option button to select “Opt1”.

3. Set light levels. Use the 0-9 buttons to set the approximate light level (or, in the case of switched zones, the minimum light level that you want to maintain in the space).

4. Exit Daylighting Setup. Simultaneously press and hold the Program and Option buttons for 3 seconds to exit.

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