Sivoia QED™

Wiring and Programming Guide

Table of Contents

For information on placement and mounting of the EDU brackets, refer to the installation guide included with each roller shade and drapery.

Sivoia QED™
System Wiring

LUTRON

Sivoia QED™ | EDU Wiring

Sivoia QED Electronic Drive Units (EDUs) are designed to function three ways:

• A single EDU can be controlled individually by a keypad, IR transmitter, or contact closure interface.

• Multiple EDUs can be linked through programming to operate in groups and subgroups, regardless of location on the link. EDU groupings can be changed at any time simply by reprogramming the system.

• EDUs can be operated by larger entire-room or whole-house lighting control systems such as Lutron's GRAFIK Eye®, RadioTouch™ and HomeWorks® systems. A/V control systems made by other manufacturers can also control *Sivoia QED* window treatments.

GENERAL FACTS:

• Microprocessors are contained in the EDU, keypad, CCI and IR Transmitter, allowing high-level programming from any source.

• The keypads are low-voltage and receive their power from the EDUs. EDUs receive their power via a 24VAC transformer. One transformer is required per motor.

• Keypads are wired directly to a communication link which connects to one or more EDUs, CCIs and keypads. See Programming Section for more information on EDU grouping by function.

• A contact closure input is available, when required, to connect with an outside system. The contact closure input wires to the EDU communication link.

Just as in measuring and mounting, take the time to plan out the wiring on paper. This will help enormously, especially in multiple EDU installations. Some common questions to answer up front include:

• Where is the power coming from?

Power is provided by Class 2 transformers. Plug-Ins and junction-box mounts are available. They can also be powered via *Sivoia QED* Power Panels. All of the line-voltage power wiring should be installed by a certified electrician. *Sivoia QED* draws its power from standard 15 or 20 amp AC circuits and converts it to low-voltage AC with a transformer also provided by Lutron.

Each EDU must be powered from its own transformer. The keypads are all low-voltage and can be installed by a low-voltage system installer.

• What gauge wiring is needed?

Please refer to the charts on pages. 1.5 and 1.9.

• What is a Sivoia QED Power Panel?

The power panel is an optional terminal box designed to organize *Sivoia QED* power and communication wires. It should be installed in a closet or some accessible location. The power panel can power up to ten individual *Sivoia QED* EDUs from a standard 15 or 20 amp circuit. One 15 amp feed can power one *Sivoia QED* power panel, or up to 10 transformers.

• Can I expand the system later on?

Of course. A communication link can connect up to 64 EDUs and 32 keypads or CCIs. (When the number of keypads and CCIs in an installation exceeds the number of *Sivoia QED* EDUs, external keypad power supplies would be required.)

Sivoia QED™ | Single EDU Wiring

Basic Installation (Plug-In Transformer or Junction Box, not shown)

male EDU connector

Common
12V
MUX
MUX
AC
AC
EGND

female terminal block p/n 441487

1 2 3 4 5 6 7

To other EDUs, keypads, CCIs

4
3
2
1

Lutron Sivoia QED seeTouch keypad BACK

AC GRD AC

Sivoia QED™ | Wiring Using Power Panels

To additional Sivoia QED EDUs

Sivoia QED EDU

IR Receiver

120 Volt feed

SVQ-10-PNL

To other Sivoia QED Keypads

SVQ-CBL-250 w/2 unused conductors

Operates every EDU

To Lighting System
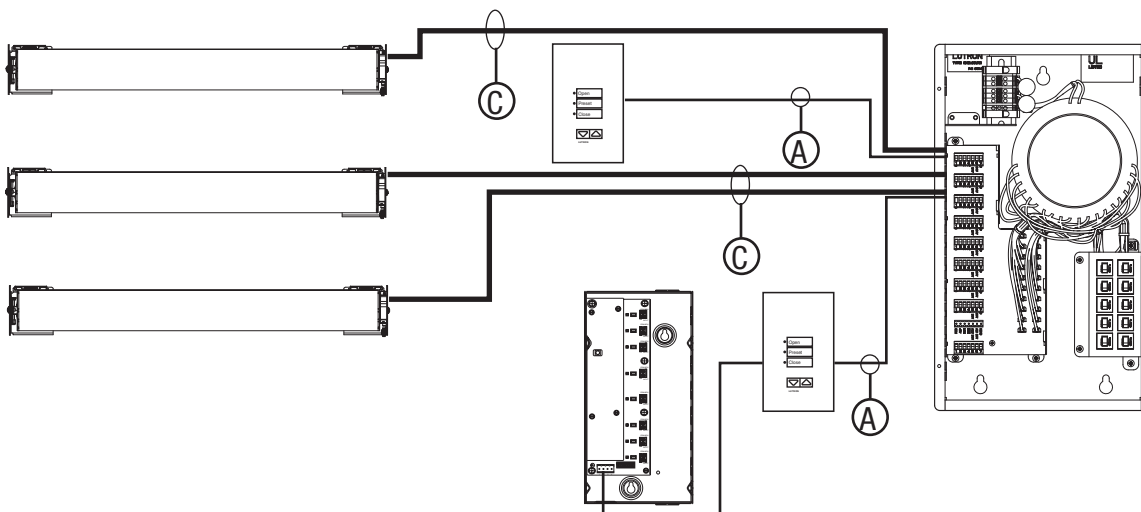
HomeWorks® - Sivoia Control (HWI-SV-5B)
RadioRA® - Sivoia Control (RA-SVC-)
GRAFIK Eye® - Sivoia Control (SG/SO-5WRL)

Inter-Panel wiring
(Same as Sivoia QED
Communications Link)

CCI

Sivoia QED Keypads

A

To other Sivoia QED keypads

Sivoia QED EDU

C

To additional Sivoia QED EDUs

120 Volt feed

SVQ-10-PNL

Sivoia QED Communi-
cations Link
To other SVQ-10-PNL

A

C —— Sivoia QED Cable (7 conductor w/drain, power
and communications)

A —— Sivoia QED Communications Link (4 conductor,
18 AWG twisted shielded)

Sivoia QED™ │ Wiring Using Power Panels

- *Number of keypads or CCIs per power panel not to exceed number of EDUs per panel*
- *Maximum of four keypads or CCIs per home run wire to terminal block*
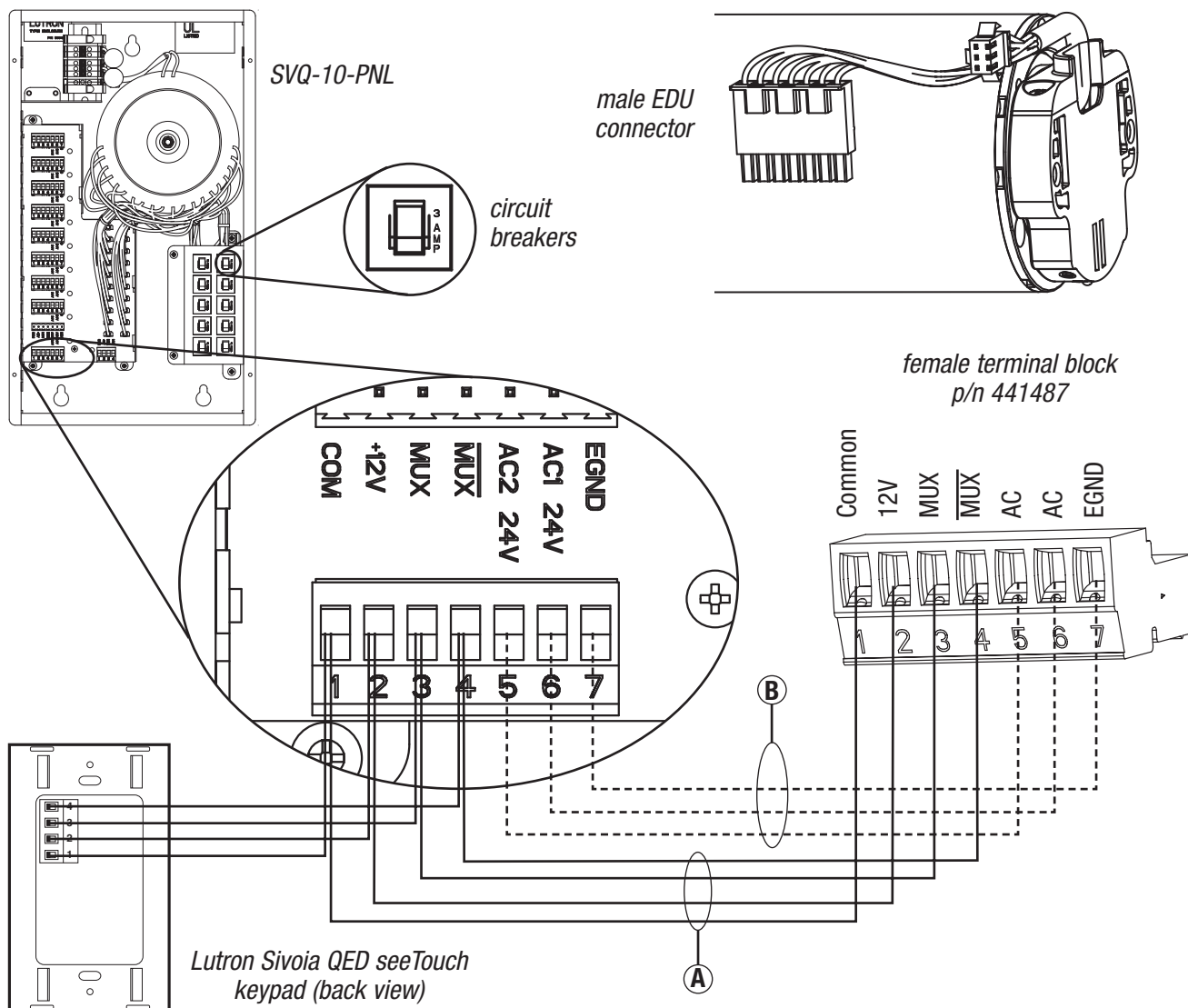- *One CCI counts as one keypad*

WIRE TYPES	MAXIMUM WIRE LENGTH	
(A) Communications Link 　　4 Conductor #18AWG (twisted and shielded) 　　Maximum comm Link - 4000 feet 　　*GRX-CBL-346S-500 may be used for the Communication Link as long as the 18 AWG conductors are used for the +12V and Common*	Keypad to Power Panel 1 keypad - 1000 feet 2 keypads - 500 feet 3 keypads - 300 feet 4 keypads - 200 feet	——
(B) Power Supply 　　3 Conductor #16–20AWG	EDU to Panel #16AWG - 200 feet #18AWG - 150 feet #20AWG - 100 feet	- - - - -
(C) SVQ-CBL-250 　　(**(A)** and **(B)** combined) 　　7 Conductor, being: 　　2- #16AWG Power Supply (red, red/white) 　　1- #18AWG Earth Ground (green/yellow) 　　4- #18AWG Comm Link (blue, yellow, violet, gray, twisted and shielded)	EDU to Power Panel - 200 feet 1 keypad to Power Panel - 1000 feet 2 keypads to Power Panel - 500 feet 3 keypads to Power Panel - 300 feet 4 keypads to Power Panel - 200 feet **Note:** If *Sivoia QED* cable is used for keypad wiring, not all of the conductors will be used.	━━

WIRING

Sivoia QED™ | Providing Power

Sivoia QED power panel terminal block wiring

SVQ-10-PNL

male EDU connector

circuit breakers

female terminal block p/n 441487

Common | 12V | MUX | MUX | AC | AC | EGND

COM | +12V | MUX | MUX | AC2 24V | AC1 24V | EGND
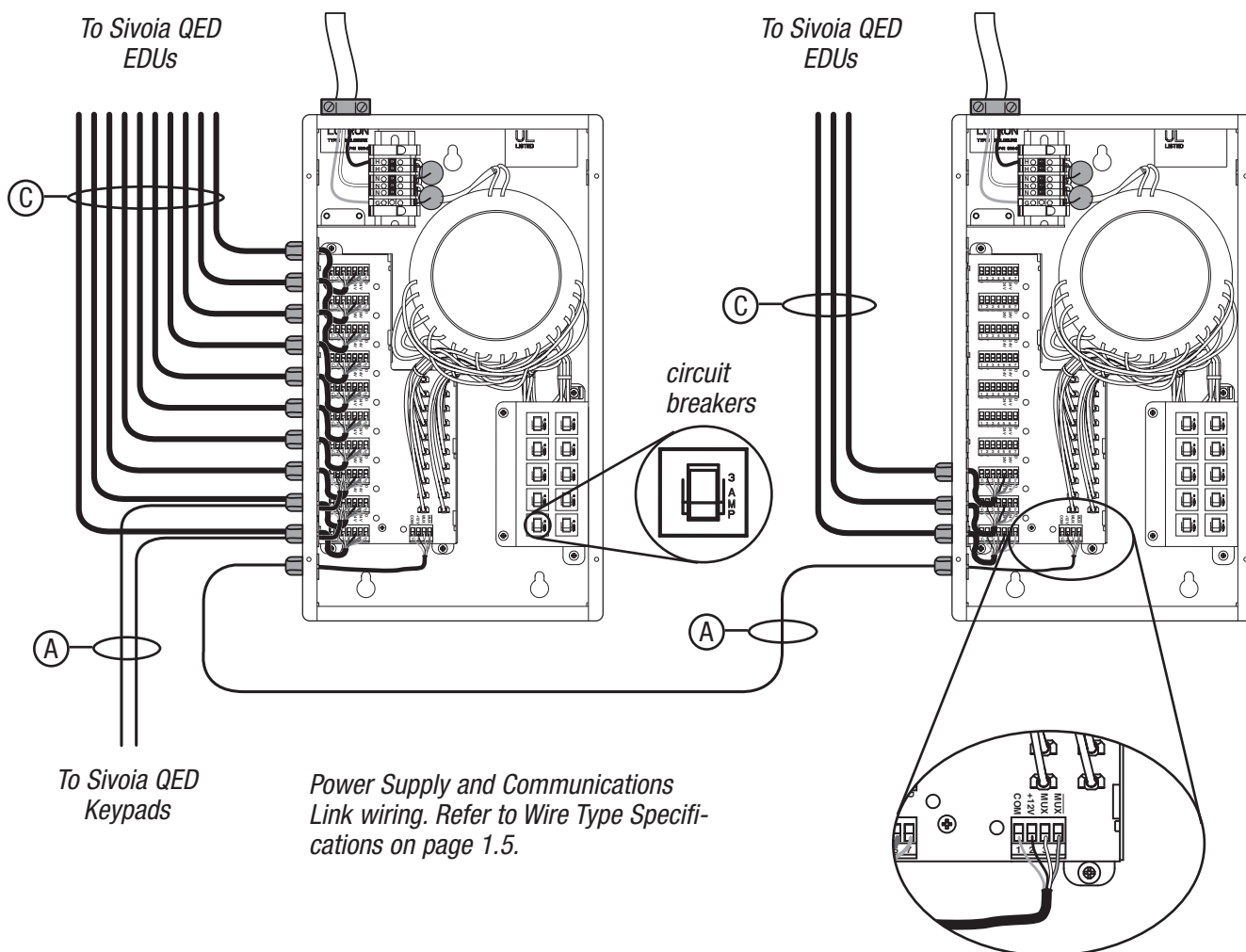
Lutron Sivoia QED seeTouch keypad (back view)

EDU to Power Panel:

- 4 conductors (Ⓐ) twisted/shielded with drain (see p.1.5) for communication between multiple EDUs.

- 3 conductors (see p.1.5) for (Ⓑ) power and ground from transformer to EDU.   **- OR -**

- Ⓒ Custom seven-conductor combination communications/power cable (SVQ-CBL-250), can be used to simplify wiring.

Keypad to Power Panel:

- 4 conductor twisted shielded.

- The *Sivoia QED* power panel connects the communications link for each EDU.

- Each *Sivoia QED* power panel holds ten 100VA transformers which each power one EDU.

Sivoia QED™ | Inter-panel Communication Wiring

To Sivoia QED EDUs

To Sivoia QED EDUs

C

C

circuit breakers

A

A

To Sivoia QED Keypads

Power Supply and Communications Link wiring. Refer to Wire Type Specifications on page 1.5.

- Each panel contains ten 100 VA transformer outputs and ten resettable fuses, which can power a total of ten EDUs, and up to one keypad or CCI per EDU.

- Each panel has ten 7 pin connectors for EDUs. Each connector is supplied with power for one EDU.

- The panel contains a bus that connects the four communication link wires from each EDU together.
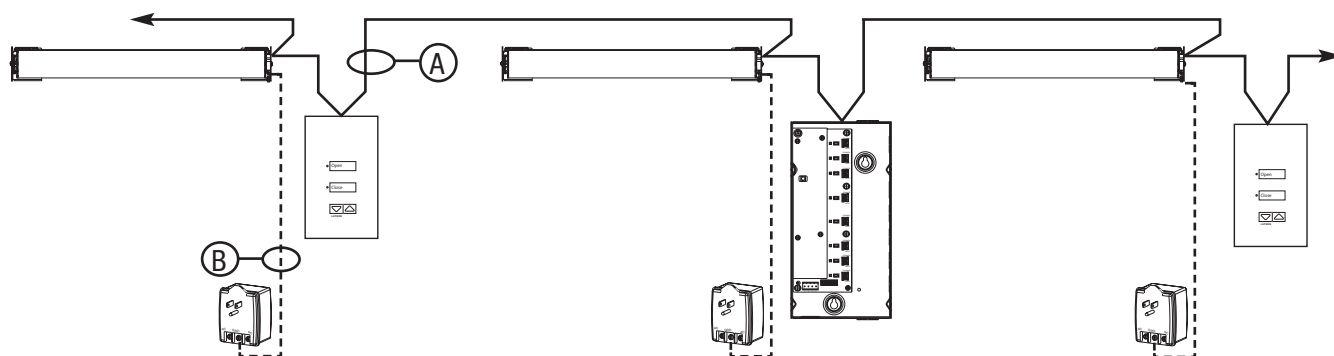
Sivoia QED™ | Wiring Using Individual Transformers
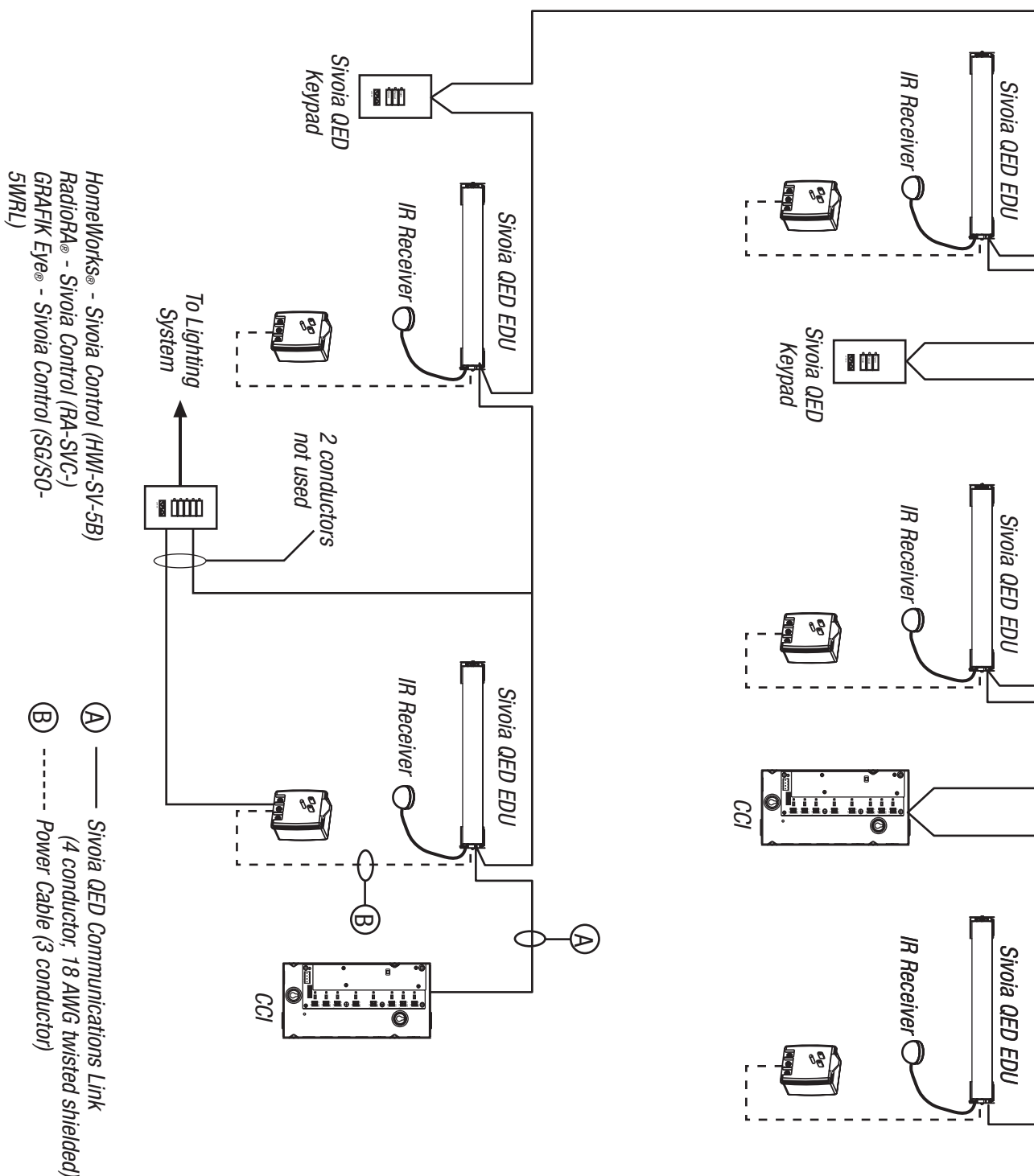
Sivoia QED™ | Wiring Using Individual Transformers

- *One CCI counts as one keypad*
- *Number of keypads and CCIs not to exceed number of EDUs*

For systems with more than four keypads, distribute keypads evenly on link - maximum one keypad between EDUs.

Up to four keypads and 400 total feet of communications wire, no requirement for even distribution.
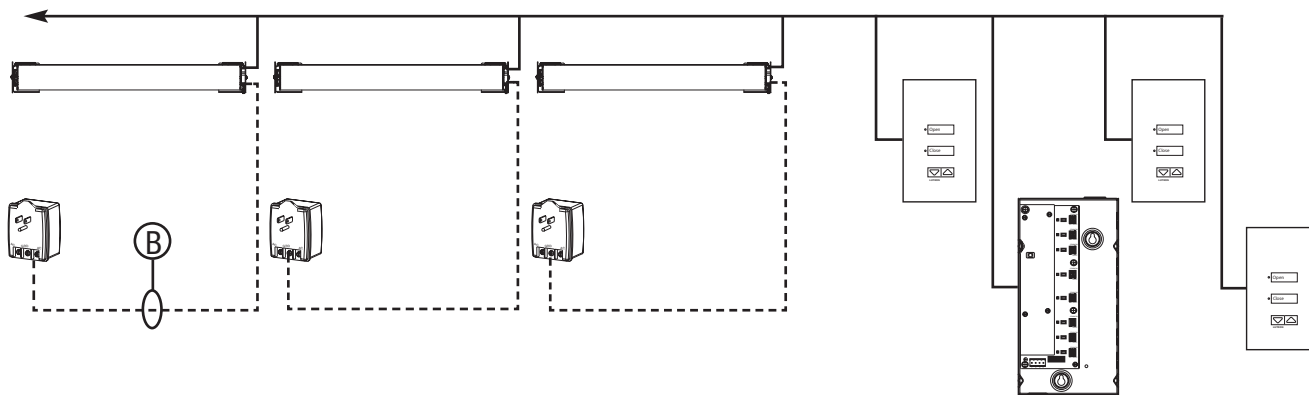
WIRE TYPES

(A) Communications Link
4 Conductor #18AWG (twisted and shielded)

(B) Power Supply
3 Conductor #16–20AWG

MAXIMUM WIRE LENGTH

EDU to EDU - 500 feet
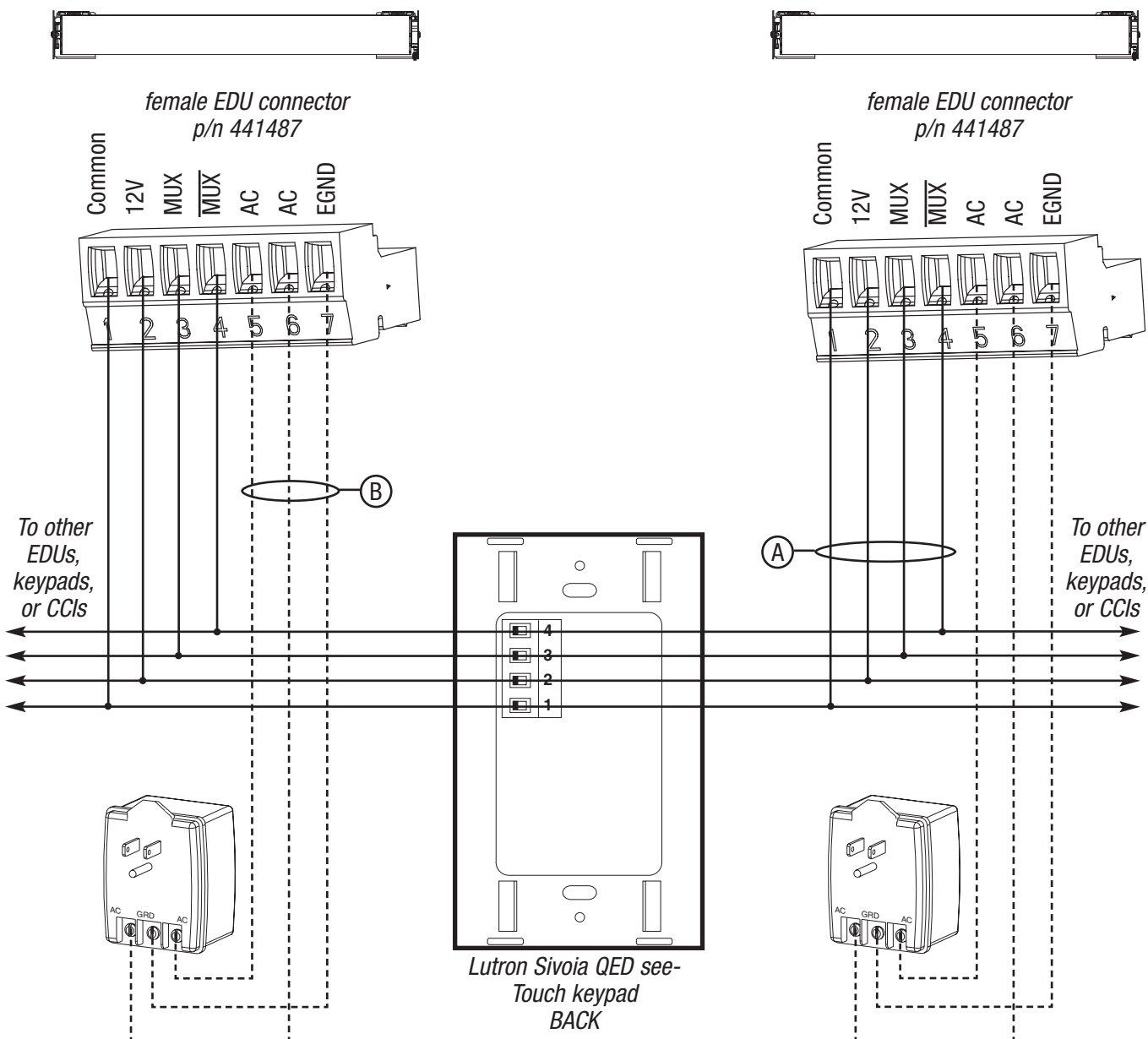Maximum total communications link - 4000 feet

Transformer to EDU
#16AWG - 200 feet
#18AWG - 150 feet
#20AWG - 100 feet

Sivoia QED™ │ Multiple EDU Wiring

- Every keypad, CCI, and EDU is connected by the *Sivoia QED™* Communication Link.

- Wire each EDU to a *Sivoia QED* plug-in transformer, junction-box-mount transformer, or a *Sivoia QED* power panel.

- Each EDU must be EARTH grounded.

- Each transformer, of any type, can power ONLY ONE EDU, regardless of shade size.

Ⓐ	Communications Link	4 Conductors
Ⓑ	Power Wires	3 Conductors
Ⓒ	Comm/Power Combination SVQ-CBL-250	7 Conductors

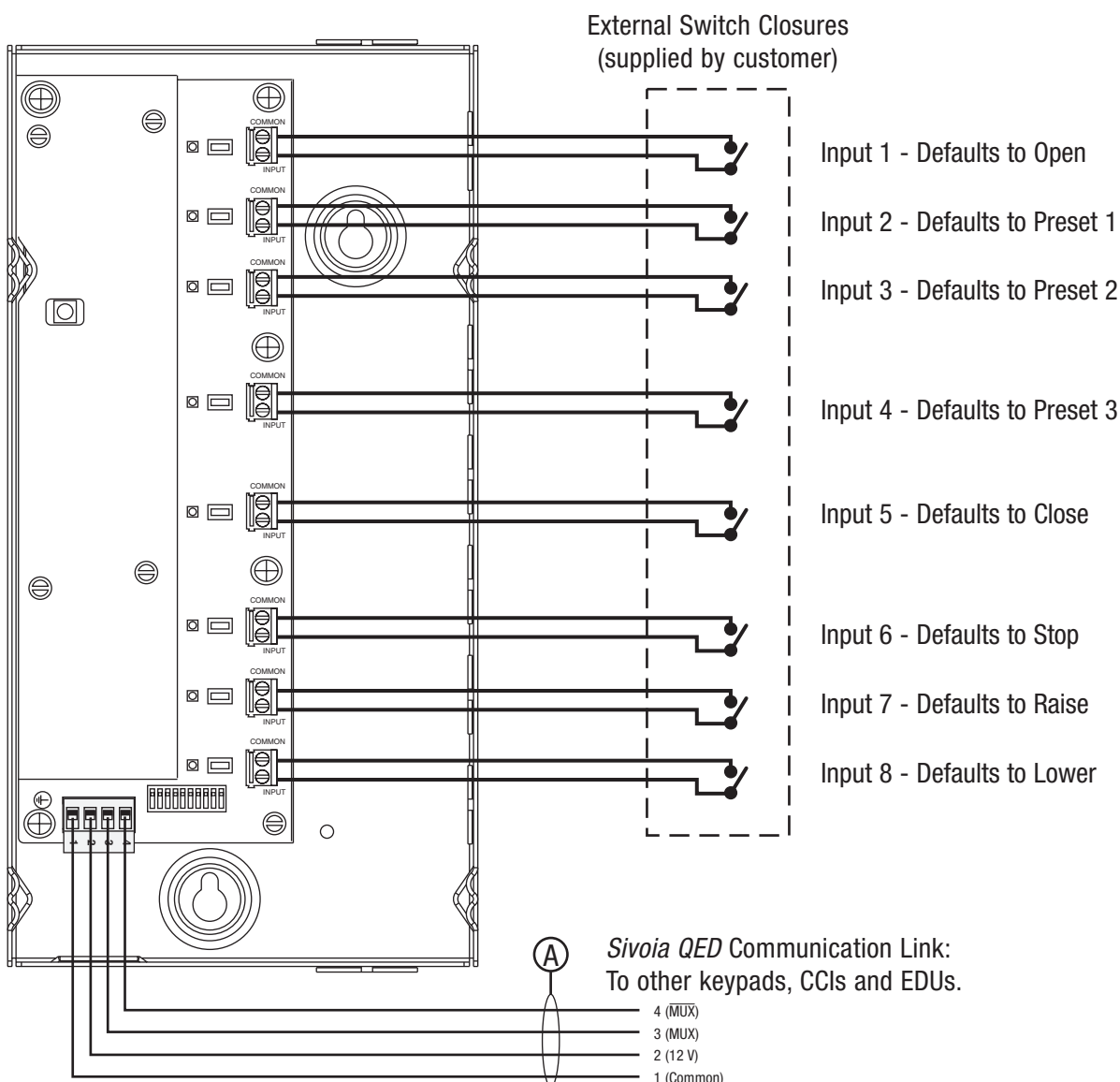Please refer to Tables on pages. 1.4 and 1.5 for details on these wires.

female EDU connector p/n 441487

Common 12V MUX MUX AC AC EGND

1 2 3 4 5 6 7

To other EDUs, keypads, or CCIs

Ⓑ

female EDU connector p/n 441487

Common 12V MUX MUX AC AC EGND

1 2 3 4 5 6 7

Ⓐ

To other EDUs, keypads, or CCIs

Lutron Sivoia QED see-Touch keypad BACK

AC GRD AC

AC GRD AC

Sivoia QED™ | SV-CCI-8 Wiring Detail

Input channel will accept dry contact closures and open collector outputs (Vce ≤ 0.3V).

⚠️ ***Do not apply voltage to any input channel.***

- By default all contact closures on a CCI operate the same group of EDUs.
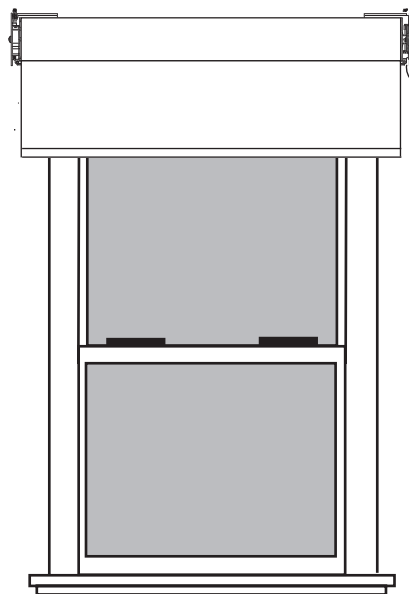- By default the CCI has Open, Close, Preset 1, Preset 2, Preset 3, Stop, Raise, and Lower inputs.

- LEDs provide feedback on contact closure state.
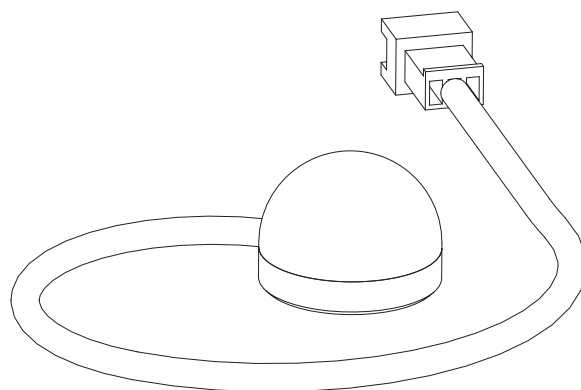- Terminal blocks accommodate 14–22 AWG wire.

External Switch Closures
(supplied by customer)

Input 1 - Defaults to Open

Input 2 - Defaults to Preset 1

Input 3 - Defaults to Preset 2

Input 4 - Defaults to Preset 3

Input 5 - Defaults to Close

Input 6 - Defaults to Stop

Input 7 - Defaults to Raise

Input 8 - Defaults to Lower

Sivoia QED Communication Link:
To other keypads, CCIs and EDUs.

4 (MUX)
3 (MUX)
2 (12 V)
1 (Common)

WIRING

Sivoia QED™ │ Infrared Receivers

Remote IR Eye

Lutron offers a remote infrared eye for Sivoia QED. It is a small dome connected to the EDU by a thin 22 inch cable.

The remote infrared eye plugs into a dedicated IR connector on the EDU. Extensions of ten foot lengths are available if the layout requires the IR eye to be located further from the EDU. The IR eye may be located up to 50 feet away from the EDU. Unobtrusive mounting clips and adhesive tape are also provided.
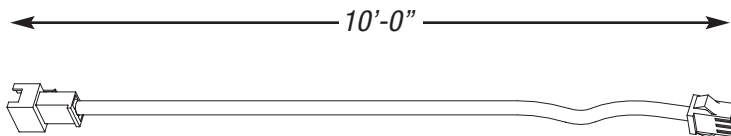
*SV-IR
Infrared remote eye, available
in white and royal plum*

*Remote IR Eye
(not shown to scale,
has a diameter of
1.0"*
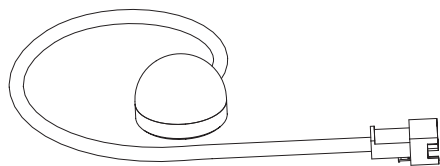
*SV-IR connects to
optional extension
cable (SV-IR-EXT-10)
or directly to EDU*

10'-0"

SV-IR-EXT-10

Sivoia QED™
System Programming

LUTRON

Sivoia QED Programming │ System Overview

Components

The components of a *Sivoia QED* system include: Electronic Drive Units (EDUs) operated by keypads, infrared (IR) transmitters, or Contact Closure Inputs (CCIs). EDUs, keypads and CCIs are connected directly to the *Sivoia QED* Communications Link.

Each keypad, IR transmitter, and CCI can be setup to operate all of the EDUs in the system, a single EDU, or any combination of EDUs in a user-defined group.

Keypads are wall mounted and provide open, close, preset, and momentary raise/ lower functions.

IR transmitters require an IR receiver that can be integral to a keypad or CCI, or connected to an EDU. IR transmitters provide open, close, preset, and momentary raise/ lower functions.

CCIs are mounted in a panel, and provide input to the *Sivoia QED* system from another home automation system. CCIs provide open, close, preset, momentary raise/ lower, and stop functions.

Factory Defaults

As shipped from the factory, the *Sivoia QED* system will provide basic Open, Close, and momentary Raise and Lower functionality. This allows wiring to be verified before programming. As shipped from the factory, each keypad, IR transmitter, and CCI will operate every EDU in the system. Open and Close Limits will need to be set once the EDUs are installed. The system will need to be programmed in order to access all *Sivoia QED* features, including storing presets, assigning EDUs to keypads, IR transmitters and CCIs.

Planning

Before starting programming, determine which EDUs should be operated by each keypad, IR receiver, and CCI in the *Sivoia QED* system.

Programming

Program the system after all components have been wired, installed and powered. Programming the system allows presets to be stored and recalled; limits to be adjusted from keypads, CCIs, and IR transmitters; and groups of EDUs to be assigned to keypads, CCIs, and IR receivers.

Programming the *Sivoia QED* system consists of addressing all of the components, setting an open and close limit for each EDU, and assigning EDUs to each keypad, IR receiver, and CCI.

Addressing – Addressing the *Sivoia QED* components is required for the system to function properly. Addressing can be accomplished from an EDU, a keypad, an IR transmitter, or a CCI. **After addressing a new system, keypads, CCIs, and IR transmitters *will not operate any EDU.*** Finish system programming by setting EDU limits and assigning EDUs to keypads, CCIs, and IR receivers.

Setting Open and Close Limits – The open and close limits must be set for every EDU. The open and close limits determine how far an EDU will travel. If desired, limits can be set using the buttons on the EDU before the system is addressed.

Assigning EDUs – Assignment is required and determines which EDU will be operated by each keypad, IR transmitter, and CCI. Assigning EDUs to keypads, CCIs or IR receivers allows operation of an individual, a user-defined group of EDUs, or all EDUs as desired. After addressing, no EDUs are assigned to keypads, CCIs or IR receivers.
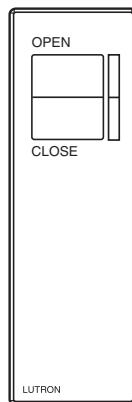
Sivoia QED Programming │ System Overview

The *Sivoia QED* system includes Electronic Drive Units
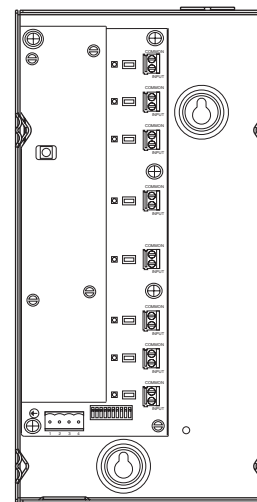(EDUs) that are operated by:

> Keypads
> IR Transmitters
> Contact Closure Inputs (CCIs)
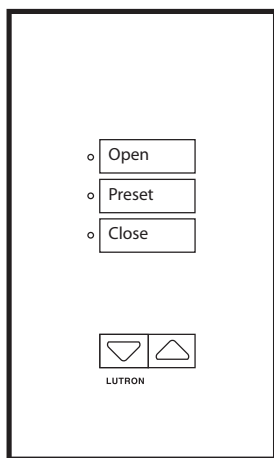
Keypad

(SVQ-3WRL shown)

IR Transmitter

(SVQ-OCIT shown)

Contact Closure Input (CCI)

(SVQ-CCI-8 shown)

Each Keypad, IR transmitter, and CCI can:

• Be programmed to operate an individual EDU, a user
defined group of EDUs, or all of the EDUs in the *Sivoia
QED* system by assigning EDUs to keypads, CCIs, and IR
receivers.

• Address the entire system – this can be done from any
keypad, CCI, or IR transmitter. Addressing can also be
done from the EDU.

• Set the Open and Close Limit of EDUs – this can be
done from any CCI, any keypad with open, close, raise
and lower buttons, or any IR transmitter with open,
close, raise and lower buttons. Setting open and close
limits can also be done at the EDU.

Note: Controls for integrating with other Lutron Systems,
including the GRAFIK Eye® Sivoia Control, the HomeWorks®
Sivoia Control, and RadioRA® Sivoia Control, do not
operate in the same manner as *Sivoia QED* keypads.
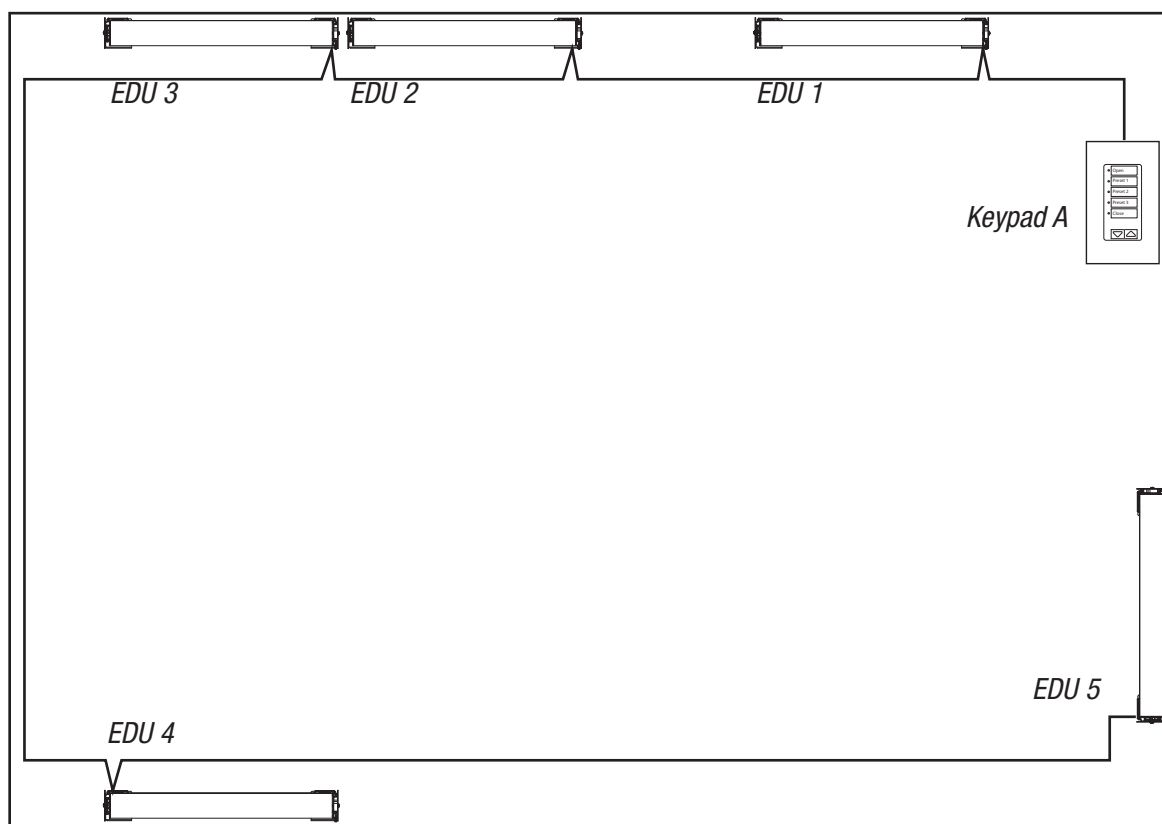Consult the instruction sheets for these controls.

Sivoia QED Programming | Examples

Five EDUs, one keypad:

All connected to a 4 conductor *Sivoia QED* Communications Link.

Desired function:
- One keypad to operate five EDUs as a group
- No individual control of EDUs required
- EDU power supplies are not shown for clarity.

EDU 3   EDU 2   EDU 1

Keypad A

EDU 5

EDU 4

Programming example:

1. Address the system from keypad A (page 2.8).

2. Set the limits for each EDU from keypad A (page 2.17).

3. Assign all EDUs to keypad A (page 2.26).

Note: In this example, addressing the system may also be accomplished from any one of the EDUs. Limits may be set at each EDU.

Sivoia QED Programming │ Examples

Five EDUs, three keypads:

All connected to a 4 conductor *Sivoia QED* Communications Link.

Desired function:
- Keypad A to control five EDUs as a group
- Keypad B to only control EDUs 2 and 3
- Keypad C to only control EDU 5
- EDU power supplies are not shown for clarity.
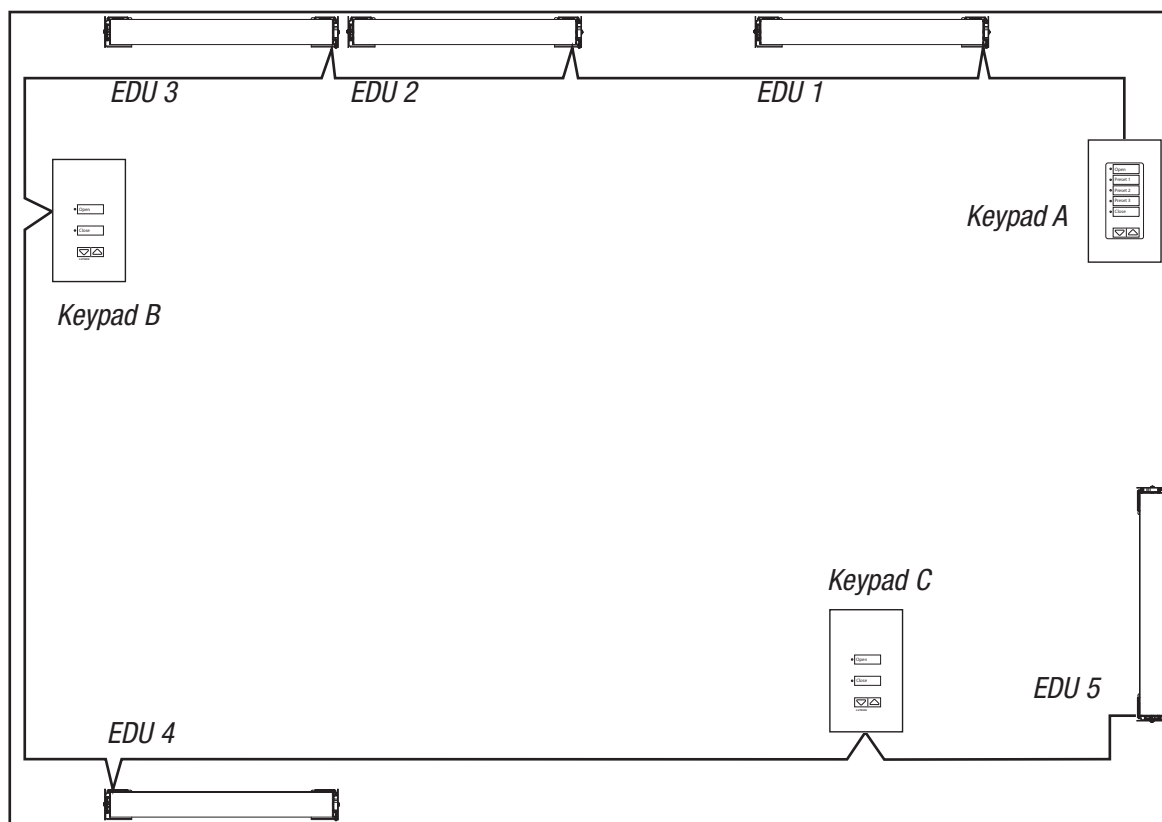
EDU 3 · EDU 2 · EDU 1 · Keypad A · Keypad B · Keypad C · EDU 5 · EDU 4

Programming example:
1. Address the system from keypad A (page 2.8).
2. Set the limits for each EDU from keypad A (page 2.17).
3. Assign all EDUs to keypad A (page 2.26).
4. Assign EDUs 2 and 3 to keypad B (page 2.26).
5. Assign EDU 5 to keypad C (page 2.26).

Note: In this example, addressing the system may also be accomplished from any one of the EDUs or keypads. Limits may be set at each EDU.

Programming | Addressing from the EDU

Addressing Overview

Each keypad, EDU, and CCI in the system must have a unique address in order to store presets. Addressing the system gives each device a unique address number, which allows individual components to communicate properly.

Each device can be given a unique address automatically, by placing a single keypad, EDU, IR transmitter, or CCI in "Addressing Mode." The device in Addressing Mode will then allocate a unique address to every keypad, EDU, and CCI in the system.

The *Sivoia QED* system is addressed using a single keypad, EDU, CCI, or IR transmitter. It is not necessary to enter address mode on more than 1 device in the system. For convenience, address the system from the component that is easiest to access.

The system should be addressed each time new components are added. Addressing a previously programmed system will not erase any previous programming, addresses, limits, EDU assignments, or presets.

After addressing a new system keypads, CCIs, and IR transmitters will not operate any EDU.

Once the system has been addressed, EDUs need to be assigned to the appropriate keypads, CCIs and IR receivers.

Notes:
- The system should be addressed *after* all components have been installed, wired to the communications link, and powered.
- To add previously addressed components to an existing system, or to connect a previously addressed system to an existing system, return components to factory defaults before wiring them to the existing system (refer to Advanced Programming).
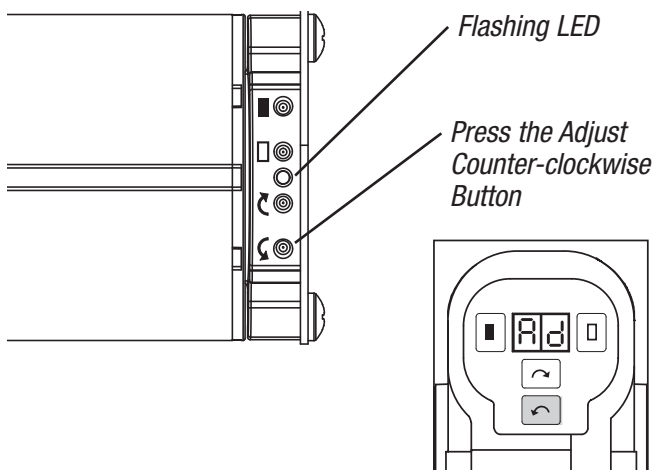
Addressing from the EDU

STEP 1

Enter "Addressing Mode" by pressing and holding the "Close Limit Button" (■) on the EDU for 5 seconds. The LED on a roller shade EDU will flash quickly for two seconds then turn on steady, indicating the EDU is ready to begin addressing. The display on a drapery track EDU will show (– –).

Press and hold the Close Limit Button for 5 seconds

Steady LED

Tubular EDU

External EDU
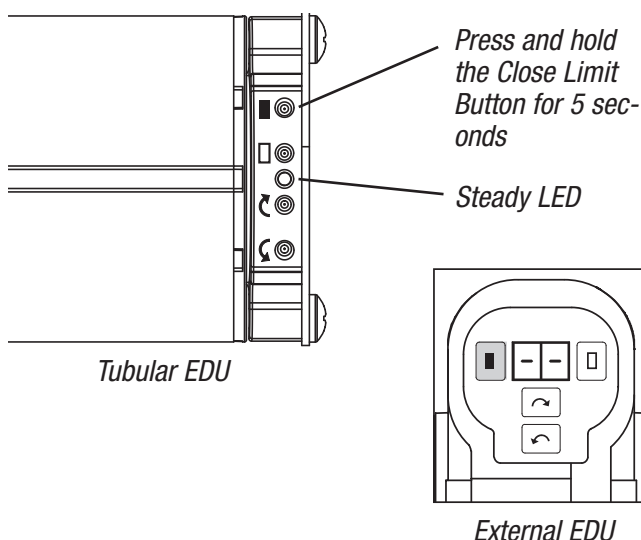
STEP 2

Initiate system addressing by pressing the "adjust counter-clockwise button" (↺) button. The LED on roller shades will begin to flash quickly (8 times per second). The display on drapery tracks will flash (Ad) (8 times per second). The system is now automatically addressing.

Flashing LED

Press the Adjust Counter-clockwise Button

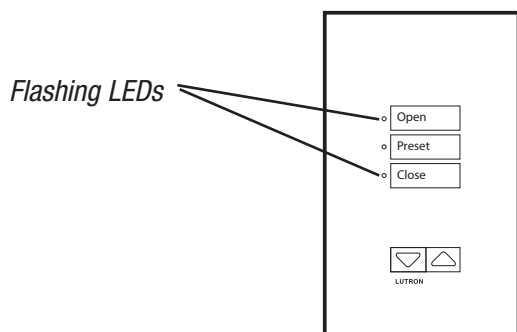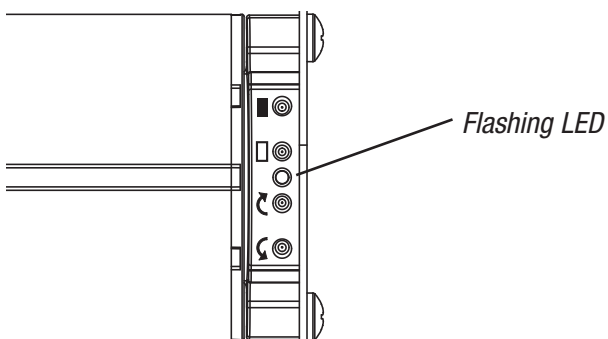# Programming | Addressing from the EDU

STEP 3

Wait for addressing to be completed, this will take approximately one minute. Proper communications between devices can be confirmed during the addressing process.

While addressing is in progress, each keypad and CCI will flash its OPEN LED quickly (8 times per second). Each roller shade EDU will flash it's LED quickly (8 times per second). Each drapery track EDU display will flash (Ad) (8 times per second).
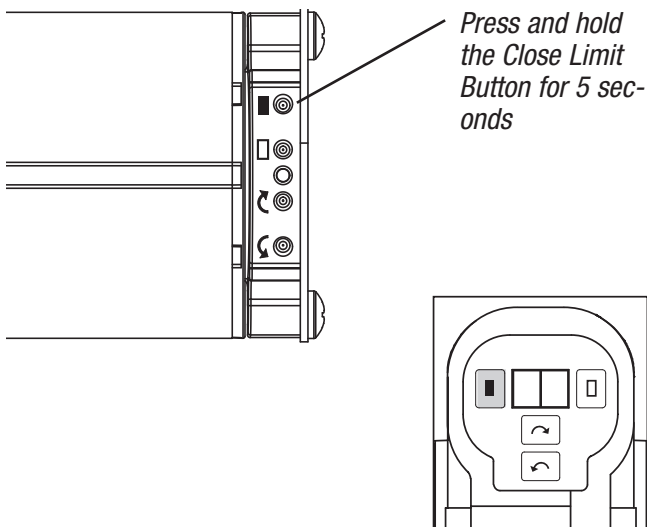
When addressing has successfully completed, Open and Close LEDs on every keypad and CCI will flash slowly (1 flash per second). LED on EDU will flash slowly (1 flash per second).

Correct wiring can be confirmed by checking that each keypad, CCI, and EDU is flashing its LED. If a device does not flash its LED, wait for addressing to complete, check wiring, and re-address the system, entering addressing mode from the same device that was previously used to address the system.

Flashing LED

Flashing LEDs

STEP 4

Exit "Addressing Mode" when addressing is complete, by pressing and holding the "Close Limit Button" on the EDU for 5 seconds. LED will turn off.

Press and hold the Close Limit Button for 5 seconds

After the system has been addressed, set the limits if they have not already been set. After addressing the system and setting limits, assign EDUs to each keypad, CCI, and IR receiver.

To set limits:
from the EDU refer to page 2.15
from a Keypad refer to page 2.17
from a CCI refer to page 2.19
from an IR transmitter refer to page 2.22

To assign EDUs:
to a Keypad refer to page 2.24
to a CCI refer to page 2.29
to an IR transmitter refer to page 2.32

ADDRESSING

Programming | Addressing from a Keypad

Addressing Overview

Each keypad, EDU, and CCI in the system must have a unique address in order to store presets. Addressing the system gives each device a unique address number, which allows individual components to communicate properly.

Each device can be given a unique address automatically, by placing a single keypad, EDU, IR transmitter, or CCI in "Addressing Mode." The device in Addressing Mode will then allocate a unique address to every keypad, EDU, and CCI in the system.

The *Sivoia QED* system is addressed using a single keypad, EDU, CCI, or IR transmitter. It is not necessary to enter address mode on more than 1 device in the system. For convenience, address the system from the component that is easiest to access.

The system should be addressed each time new components are added. Addressing a previously programmed system will not erase any previous programming, addresses, limits, EDU assignments, or presets.

After addressing a new system keypads, CCIs, and IR transmitters will not operate any EDU.

Once the system has been addressed, EDUs need to be assigned to the appropriate keypads, CCIs and IR receivers.

Notes:

- The system should be addressed *after* all components have been installed, wired to the communications link, and powered.

- To add previously addressed components to an existing system, or to connect a previously addressed system to an existing system, return components to factory defaults before wiring them to the existing system (refer to Advanced Programming).

- Controls for integrating with other Lutron systems, including the HWI-SV-5B, RA-SVC, and the SG/SO-5WRL cannot address the *Sivoia QED* system or set limits. These controls operate every EDU.

Addressing the System from a Keypad

STEP 1

Enter "Addressing Mode" by pressing and holding the Open and Close buttons on the keypad simultaneously for 5 seconds. The LEDs next to the Open and Close buttons will flash once per second, indicating the keypad is ready to begin addressing.

Press and hold the Open and Close buttons for 5 seconds
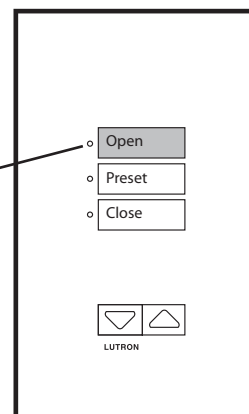
Flashing LEDs

Open
Preset
Close

LUTRON
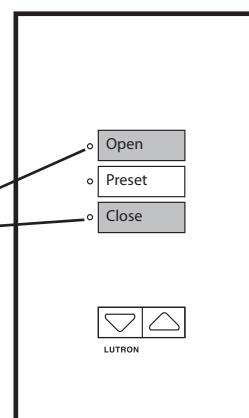
STEP 2

Initiate system addressing by pressing the Open button on the keypad. The LED next to the open button will begin to flash quickly (8 times a second), the LED next to the close button will turn off. The system is now being automatically addressed.
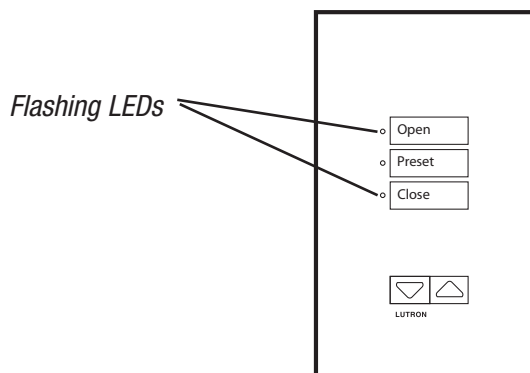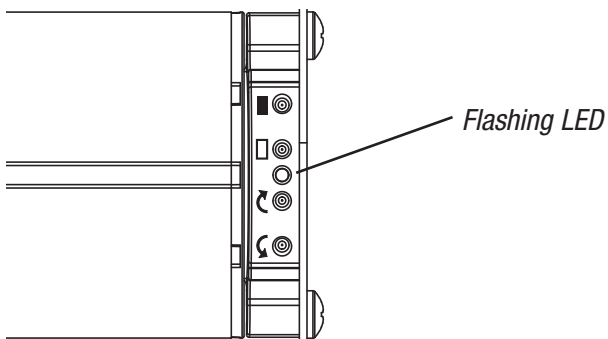
Press the Open button

Flashing LED

Open
Preset
Close

LUTRON

Programming | Addressing from a Keypad

STEP 3

Wait for addressing to be completed, this will take approximately one minute. While addressing is in progress, each keypad and CCI will flash it's OPEN LED quickly (8 times per second). Each EDU will flash it's LED quickly (8 times per second).

When addressing has successfully completed, Open and Close LEDs on every keypad and CCI will flash slowly (once per second). LED on EDU will flash slowly (once per second).
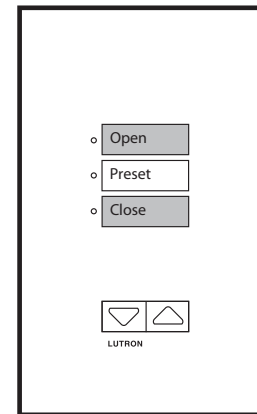
Correct wiring can be confirmed by checking that each keypad, CCI, and EDU is flashing it's LED. If a device does not flash its LED, wait for addressing to complete, check wiring, and re-address the system, entering addressing mode from the same device that was previously used to address the system.

Flashing LED

Flashing LEDs

| Open |
| Preset |
| Close |

LUTRON

STEP 4

Exit "Addressing Mode" when addressing is complete, by pressing and holding the open and close buttons on the keypad for 5 seconds.

Press and hold the Open and Close buttons for 5 seconds

| Open |
| Preset |
| Close |

LUTRON

After the system has been addressed, set the limits if they have not already been set. After addressing the system and setting limits, assign EDUs to each keypad, CCI, and IR receiver.

To set limits:
> from the EDU refer to page 2.15
> from a Keypad refer to page 2.17
> from a CCI refer to page 2.19
> from an IR transmitter refer to page 2.22

To assign EDUs:
> to a Keypad refer to page 2.24
> to a CCI refer to page 2.29
> to an IR transmitter refer to page 2.32

ADDRESSING

Programming | Addressing from a CCI

Addressing Overview

Each keypad, EDU, and CCI in the system must have a unique address in order to store presets. Addressing the system gives each device a unique address number, which allows individual components to communicate properly.

Each device can be given a unique address automatically, by placing a single keypad, EDU, IR transmitter, or CCI in "Addressing Mode." The device in Addressing Mode will then allocate a unique address to every keypad, EDU, and CCI in the system.

The *Sivoia QED* system is addressed using a single keypad, EDU, CCI, or IR transmitter. It is not necessary to enter address mode on more than 1 device in the system. For convenience, address the system from the component that is easiest to access.

The system should be addressed each time new components are added. Addressing a previously programmed system will not erase any previous programming, addresses, limits, EDU assignments, or presets.

After addressing a new system keypads, CCIs, and IR transmitters will not operate any EDU.

Once the system has been addressed, EDUs need to be assigned to the appropriate keypads, CCIs and IR receivers.

Notes:
- The system should be addressed *after* all components have been installed, wired to the communications link, and powered.
- To add previously addressed components to an existing system, or to connect a previously addressed system to an existing system, return components to factory defaults before wiring them to the existing system (refer to Advanced Programming).
- The CCI can be configured to accommodate multiple groups of shades (see page 2.53). Configurations other than the default have Open and Close inputs in locations other than inputs 1 and 5.

Addressing from a CCI

STEP 1

Begin by entering "Program Mode" on the CCI by setting switch 6 to OFF.

Turn Switch 6 OFF
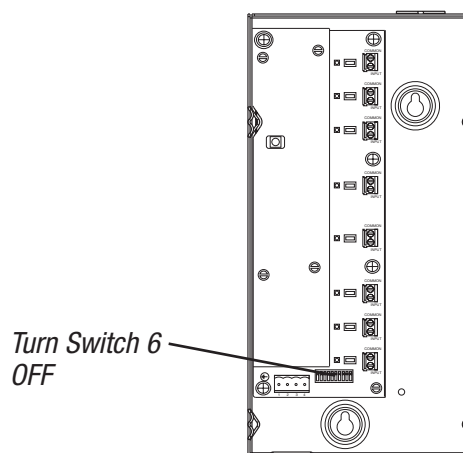
Programming | Addressing from a CCI

STEP 2

Enter "Addressing Mode" by pressing and holding the Open and Close buttons on the CCI simultaneously for 5 seconds. The LEDs next to the Open and Close buttons will flash, indicating the CCI is ready to begin addressing. Reference page 2.53 for Open and Close button locations on other CCI configurations.

Press and hold the Open and Close buttons for 5 seconds
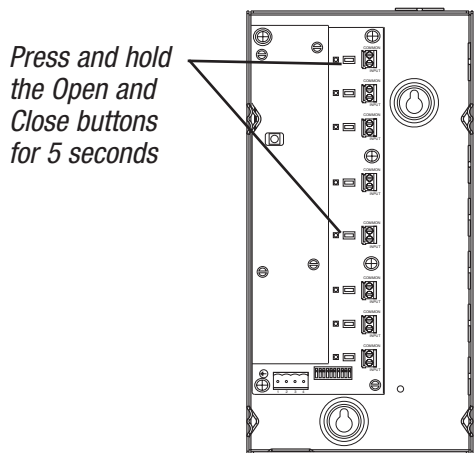
STEP 3

Initiate system addressing by pressing the Open button on the CCI. The LED next to the Open button will begin to flash quickly (8 times a second), the LED next to the Close button will turn OFF. The system is now being automatically addressed.

Press the Open button
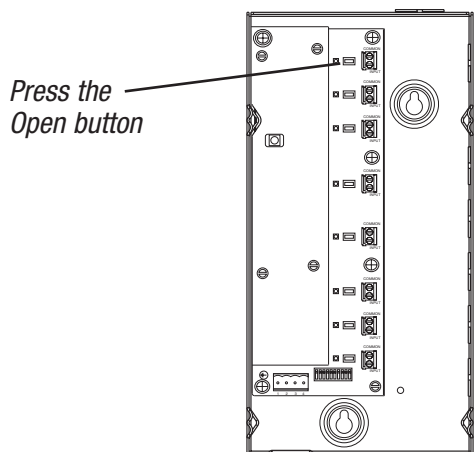
STEP 4

Wait for addressing to be completed, this will take approximately one minute. While addressing is in progress, every keypad and CCI will flash it's Open LED quickly (8 times per second). Each EDU will flash it's LED quickly (8 times per second).

When addressing has successfully completed, Open and Close LEDs on each keypad and CCI will flash slowly (1 flash per second). LED on EDU will flash slowly (1 flash per second).

Correct wiring can be confirmed by checking that each keypad, CCI, and EDU is flashing it's LED slowly (once per second). If a device does not flash its LED, wait for addressing to complete, check wiring, and re-address the system, entering addressing mode from the same device that was previously used to address the system.

Flashing LED

Flashing LEDs
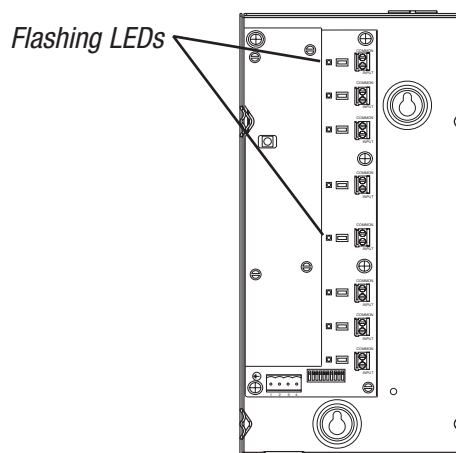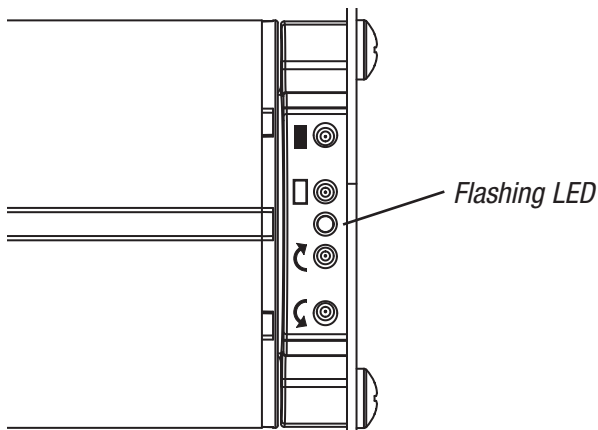
ADDRESSING

Programming | Addressing from a CCI

STEP 5

Exit "Addressing Mode" when addressing is complete, by pressing and holding the Open and Close buttons on the CCI for 5 seconds.

Press and hold the Open and Close buttons for 5 seconds
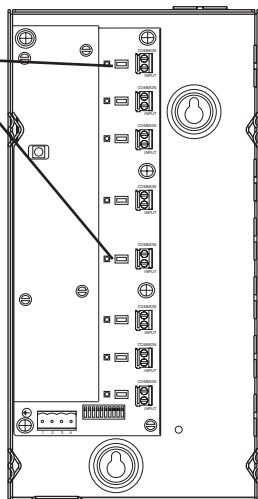
STEP 6

Return the CCI to normal mode by setting switch 6 back to ON.

Turn Switch 6 ON

After the system has been addressed, set the limits if they have not already been set. After addressing the system and setting limits, assign EDUs to each keypad, CCI, and IR receiver.

To set limits:
from the EDU refer to page 2.15
from a Keypad refer to page 2.17
from a CCI refer to page 2.19
from an IR transmitter refer to page 2.22

To assign EDUs:
to a Keypad refer to page 2.24
to a CCI refer to page 2.29
to an IR transmitter refer to page 2.32

ADDRESSING

Programming | Addressing from an IR Transmitter

Addressing Overview

Each keypad, EDU, and CCI in the system must have a unique address in order to store presets. Addressing the system gives each device a unique address number, which allows individual components to communicate properly.

Each device can be given a unique address automatically, by placing a single keypad, EDU, IR transmitter, or CCI in "Addressing Mode." The device in Addressing Mode will then allocate a unique address to every keypad, EDU, and CCI in the system.

The *Sivoia QED* system is addressed using a single keypad, EDU, CCI, or IR transmitter. It is not necessary to enter address mode on more than 1 device in the system. For convenience, address the system from the component that is easiest to access.

The system should be addressed each time new components are added. Addressing a previously programmed system will not erase any previous programming, addresses, limits, EDU assignments, or presets.

After addressing a new system keypads, CCIs, and IR transmitters will not operate any EDU.

Once the system has been addressed, EDUs need to be assigned to the appropriate keypads, CCIs and IR receivers.

Notes:

• The system should be addressed *after* all components have been installed, wired to the communications link, and powered.

• To add previously addressed components to an existing system, or to connect a previously addressed system to an existing system, return components to factory defaults before wiring them to the existing system (refer to Advanced Programming).

Addressing from an IR transmitter

STEP 1

Aim the IR transmitter at an IR receiver, integral to a keypad or CCI, or wired to an EDU. Enter "Addressing Mode" by pressing and holding the Open and Close buttons on the IR transmitter simultaneously for 5 seconds. IR receivers on keypads and CCIs will cause keypad and CCI LEDs to flash. IR receivers on EDUs will cause LEDs on EDU to flash.

Press and hold Open and Close for 5 seconds
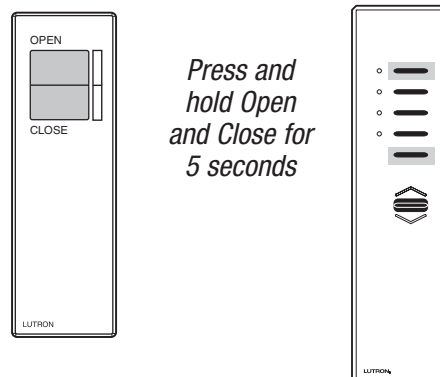
STEP 2

Aim the IR transmitter at an IR receiver. Initiate system addressing by pressing the Open button on the IR transmitter. If the IR receiver is integral to a keypad or CCI, the LED next to the open button will begin to flash quickly (8 times per second), the LED next to the close button will turn off. If the IR receiver is connected to an EDU, the LED on the EDU will flash quickly (8 times per second). The system is now being automatically addressed.

Press Open
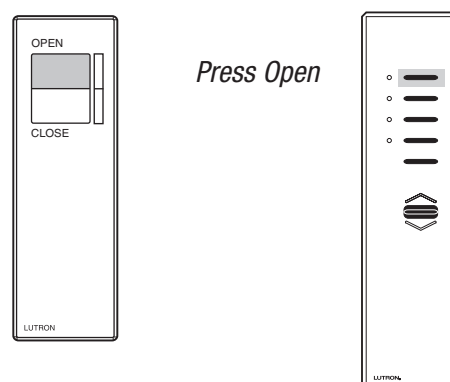
ADDRESSING

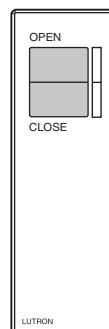# Programming | Addressing from an IR Transmitter

STEP 3

Wait for addressing to be completed, this will take one minute. While addressing is in progress, each keypad and CCI will flash it's top LED quickly (8 times per second). Each EDU will flash it's LED quickly (8 times per second).

When addressing has successfully completed, Open and Close LEDs on each keypad and CCI will flash slowly (1 flash per second). LED on EDU will flash slowly (1 per second).

Correct wiring can be confirmed by checking that each keypad, CCI, and EDU is flashing it's LED. If a device does not flash its LED, wait for addressing to complete, check wiring, and re-address the system, entering addressing mode from the same device that was previously used to address the system.

STEP 4

Exit "Addressing Mode" when addressing is complete, by aiming the IR transmitter at the IR receiver, and holding the Open and Close buttons for 5 seconds.

Press and hold Open and Close for 5 seconds
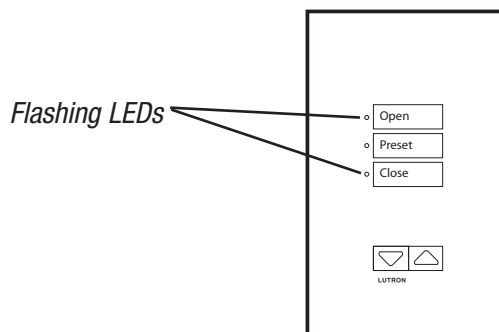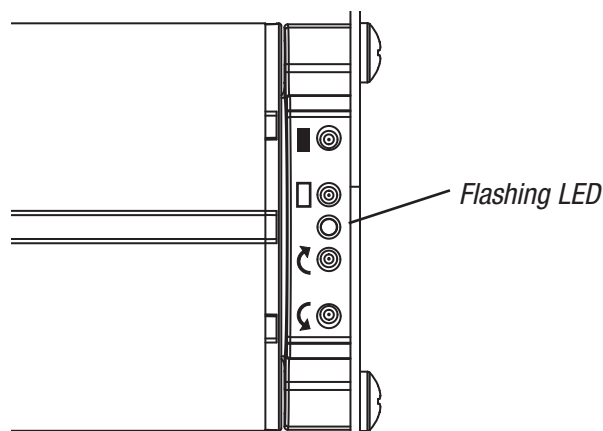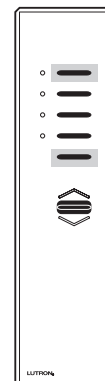
Flashing LED

Flashing LEDs

Open
Preset
Close

After the system has been addressed, set the limits if they have not already been set. After addressing the system and setting limits, assign EDUs to each keypad, CCI, and IR receiver.

To set limits:

To assign EDUs:

Programming | Setting Limits from an EDU

Setting Limits Overview

The Open and Close Limits can be set from the EDU, a CCI, keypad or IR transmitter with at least: an Open, Close, Raise and Lower buttons.

The advantage of setting limits remotely from a keypad, IR transmitter, or CCI, is these components are generally easier to access. Setting limits at the EDU may be simpler, and can be done before addressing the system, depending upon the installation.

The Open and Close Limits determine how far an EDU will travel. When the open button is pressed on a Keypad, IR transmitter, or CCI, the EDU will move to the Open Limit. When the close button is pressed on a keypad, IR transmitter, or CCI, the EDU will move to the Close Limit. The EDU will not move higher than the Open Limit or lower than the Close Limit.

Note: Setting the Open Limit lower than the Close Limit will cause the shade to move down when raise is pressed and up when lower is pressed.

Setting the Open Limit from the EDU

STEP 1

Press the "Open Limit Button" (▯), the LED on a roller shade EDU will turn on steady, indicating the EDU is in "Set Open Limit Mode." The display on a drapery track EDU will show (L 5)
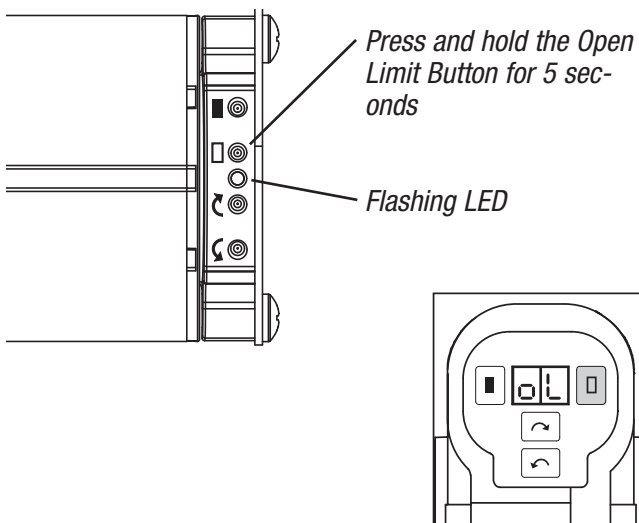
Press the Open Limit Button

Steady LED

Tubular EDU

External EDU
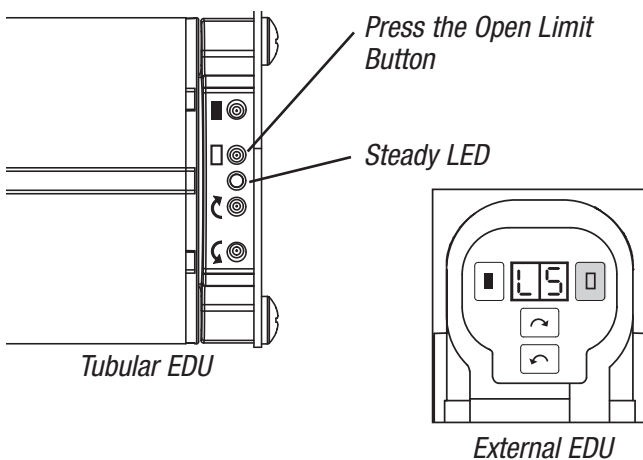
STEP 2

Adjust the position of the EDU to the desired Open Limit using the adjustment buttons (↻ ↺).
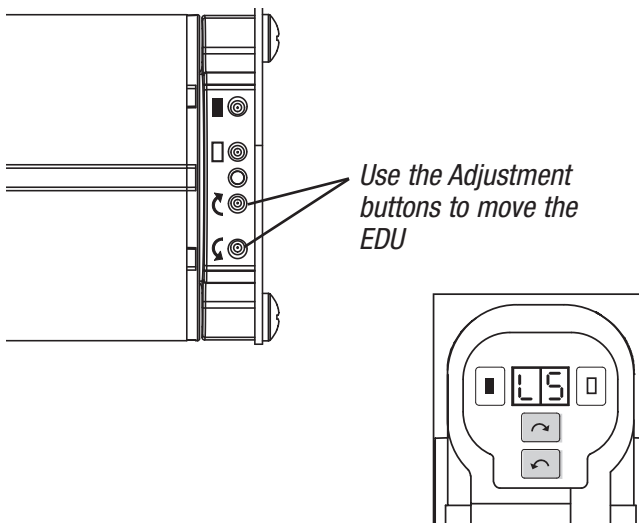
Use the Adjustment buttons to move the EDU

STEP 3

Press and hold the "Open Limit Button" (▯), for 5 seconds, the LED on a roller shade EDU will flash for 2 seconds then go dark, indicating the current position has been stored as the Open Limit. The display on a drapery track EDU will flash (oL).
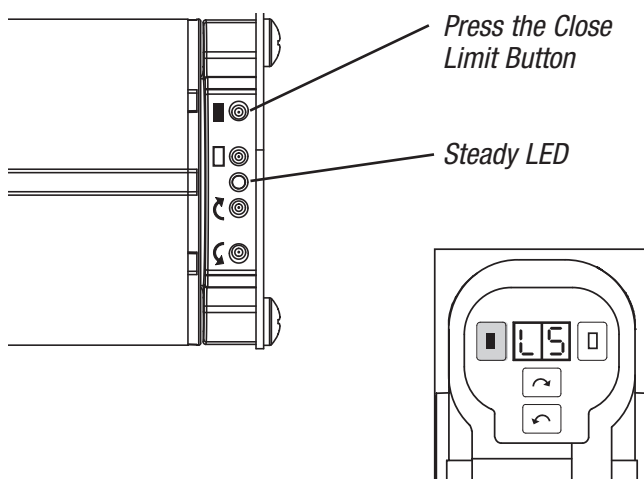
Press and hold the Open Limit Button for 5 seconds

Flashing LED

SETTING LIMITS

Programming | Setting Limits from an EDU

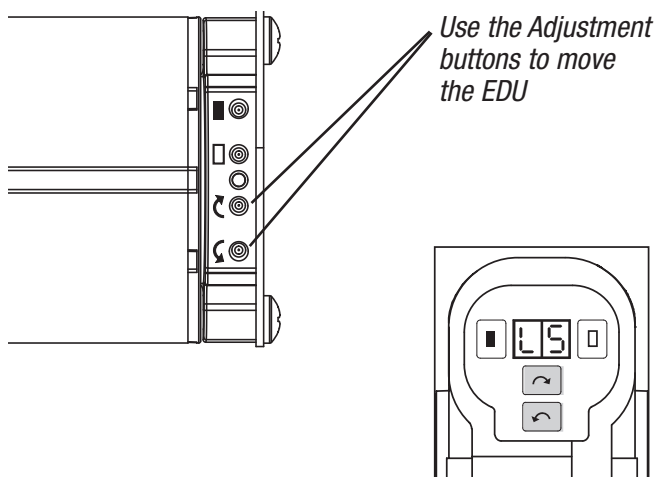**Setting the Close Limit from the EDU**

STEP 1

Press the "Close Limit Button" (▌), the LED on a roller shade EDU will turn steady on, indicating the EDU is in the "Set Close Limit Mode." The display on a drapery track EDU will show (L5).

Press the Close Limit Button

Steady LED

STEP 2

Adjust the position of the EDU to the desired Close Limit using the adjustment buttons (↻ ↺).

Use the Adjustment buttons to move the EDU

STEP 3

Press and hold the "Close Limit" button, (▌), for 5 seconds, the LED on a roller shade EDU will flash for 2 seconds indicating the current position has been stored as the Close Limit. The display on a drapery track EDU will show (CL).
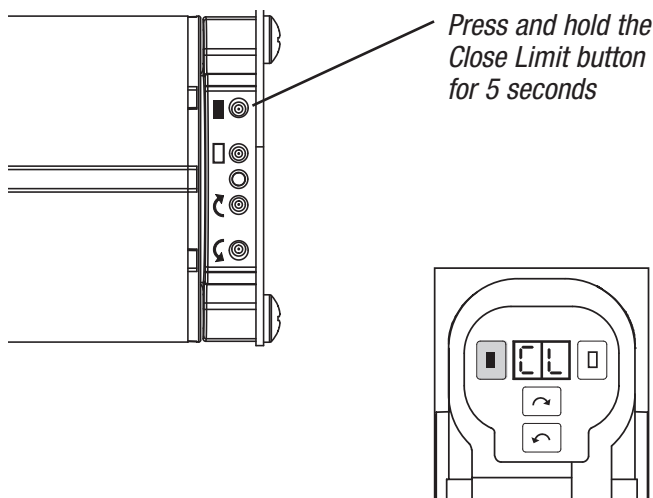
Press and hold the Close Limit button for 5 seconds

After addressing the system and setting limits, assign EDUs to each keypad, CCI, and IR receiver.

To assign EDUs:
    to a Keypad refer to page 2.24
    to a CCI refer to page 2.29
    to an IR transmitter refer to page 2.32

To address the system:
    from an EDU refer to page 2.6
    from a Keypad refer to page 2.8
    from a CCI refer to page 2.10
    from an IR transmitter refer to page 2.13

SETTING LIMITS

Programming | Setting Limits from a Keypad

Setting Limits Overview

The Open and Close Limits can be set from the EDU, a CCI, keypad or IR transmitter with at least: an Open, Close, Raise and Lower buttons.

The advantage of setting limits remotely from a keypad, IR transmitter, or CCI, is these components are generally easier to access. Setting limits at the EDU may be simpler, and can be done before addressing the system, depending upon the installation.

The Open and Close Limits determine how far an EDU will travel. When the open button is pressed on a Keypad, IR transmitter, or CCI, the EDU will move to the Open Limit. When the close button is pressed on a keypad, IR transmitter, or CCI, the EDU will move to the Close Limit. The EDU will not move higher than the Open Limit or lower than the Close Limit.

Notes:
- The system must be addressed in order to set limits from a keypad, CCI, or IR transmitter.

- When setting limits from a keypad, IR transmitter of CCI, each EDU will move approximately 8–10" as it is selected. Be certain each EDU can move this distance in each direction.

- Setting the Open Limit lower than the Close Limit will cause the shade to move down when raise is pressed and up when lower is pressed.

- Once EDUs have been assigned to keypads, CCIs, and IR receivers, limits can only be set on an EDU, using the keypads, CCIs, and IR receivers it is assigned to.

- Controls for integrating with other Lutron systems, including the HWI-SV-5B, RA-SVC, and the SG/SO-5WRL cannot address the *Sivoia QED* system or set limits. These controls operate every EDU.

- For information on how to set limits when using keypads that do not have Raise/Lower buttons, contact the Lutron Technical Support Center at (800) 446-1503.
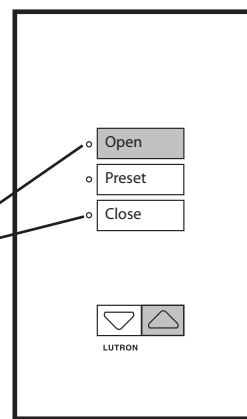
Setting Limits from a Keypad

STEP 1

Enter "Limit Set Mode" by pressing and holding the Open and Raise buttons on the keypad simultaneously for 5 seconds. The LED next to Close will flash quickly, the LED next to Open will flash slowly.

*Press and hold the Open and Raise buttons for 5 seconds*

Flashing LEDs

STEP 2

Select the shade to adjust by pressing and releasing Open on the keypad. Each time Open is pressed and released, an EDU assigned to the keypad will begin raising and lowering over a short distance (fast cycle). Continue pressing open, until the desired EDU is selected (fast cycling). The Close button can also be used to select shades, moving through shades in the opposite order. Depending on the installation the EDU that is fast cycling may not be visible from the keypad.
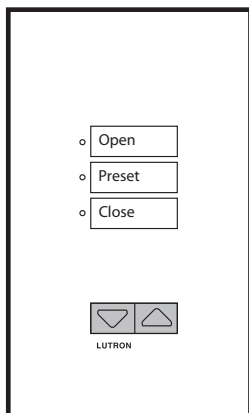
Press Open to select EDU
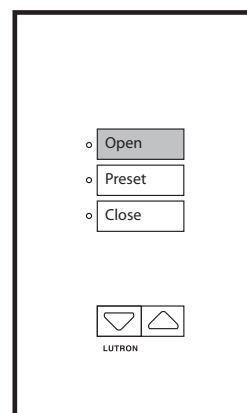
SETTING LIMITS

Programming | Setting Limits from a Keypad

STEP 3

Adjust the selected EDU to the desired level to set the Open or Close limit to, using the raise and lower buttons on the keypad.
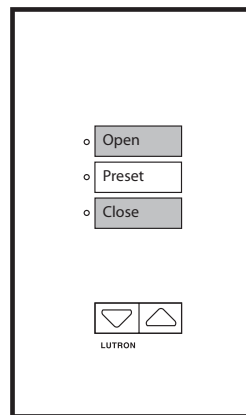
Use Raise and Lower to adjust EDU

Open
Preset
Close

LUTRON

STEP 4

Store the current position as the Open Limit by pressing and holding the Open button on the keypad for 5 seconds, the Open LED will turn on steady for 2 seconds.

OR

Store the current position as the Close Limit by pressing and holding the Close button on the keypad for 5 seconds, the Close LED will turn on steady for 2 seconds.

Open
Preset
Close

LUTRON

Open
Preset
Close

LUTRON

Press and hold Open to set the Open Limit   OR   *Press and hold Close to set the Close Limit*

STEP 5

Use the Open or Close buttons on the keypad to select other shades and adjust limits as in steps 3 and 4

Repeat steps 3 and 4

Open
Preset
Close

LUTRON

STEP 6

Exit "Limit Set Mode" by pressing and holding Open and Raise buttons on the keypad for 5 seconds.

Press and hold the Open and Raise buttons for 5 seconds

Open
Preset
Close

LUTRON
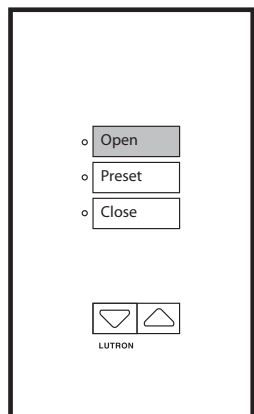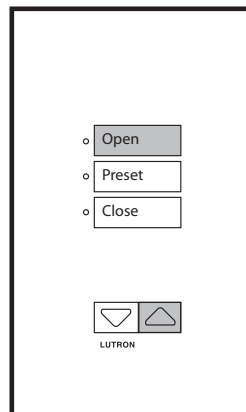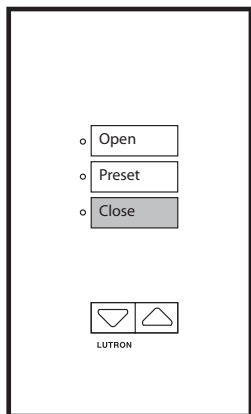
After addressing the system and setting limits, assign EDUs to each keypad, CCI, and IR receiver.

To assign EDUs:
to a Keypad refer to page 2.24
to a CCI refer to page 2.29
to an IR transmitter refer to page 2.32

SETTING LIMITS

Programming │ Setting Limits from a CCI

Setting Limits Overview

The Open and Close Limits can be set from the EDU, a CCI, keypad or IR transmitter with at least: an Open, Close, Raise and Lower buttons.

The advantage of setting limits remotely from a keypad, IR transmitter, or CCI, is these components are generally easier to access. Setting limits at the EDU may be simpler, and can be done before addressing the system, depending upon the installation.

The Open and Close Limits determine how far an EDU will travel. When the open button is pressed on a Keypad, IR transmitter, or CCI, the EDU will move to the Open Limit. When the close button is pressed on a keypad, IR transmitter, or CCI, the EDU will move to the Close Limit. The EDU will not move higher than the Open Limit or lower than the Close Limit.

Notes:

- The system must be addressed in order to set limits from a keypad, CCI, or IR transmitter.

- When setting limits from a keypad, IR transmitter of CCI, each EDU will move approximately 8–10" as it is selected. Be certain each EDU can move this distance in each direction.

- Setting the Open Limit lower than the Close Limit will cause the shade to move down when raise is pressed and up when lower is pressed.

- Once EDUs have been assigned to keypads, CCIs, and IR receivers, limits can only be set on an EDU, using the keypads, CCIs, and IR receivers it is assigned to.

- The CCI can be configured to accommodate multiple groups of shades (see page 2.53). Configurations other than the default have Open and Close inputs in locations other than inputs 1 and 5.
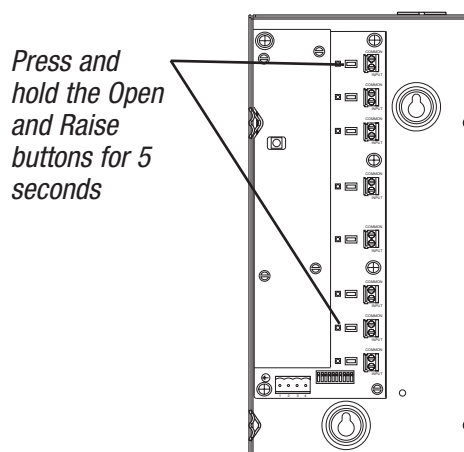
Setting Limits from a CCI

STEP 1

Begin by entering "Program Mode" on the CCI by setting switch 6 to OFF.
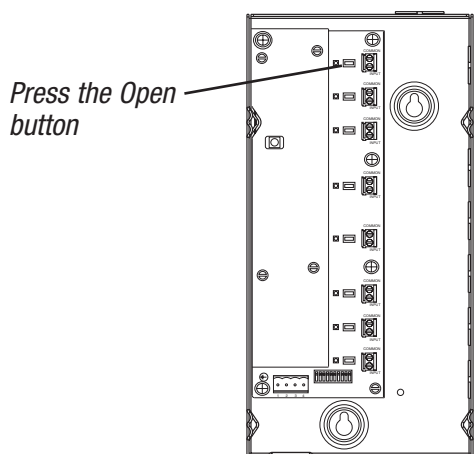

Turn Switch 6 OFF
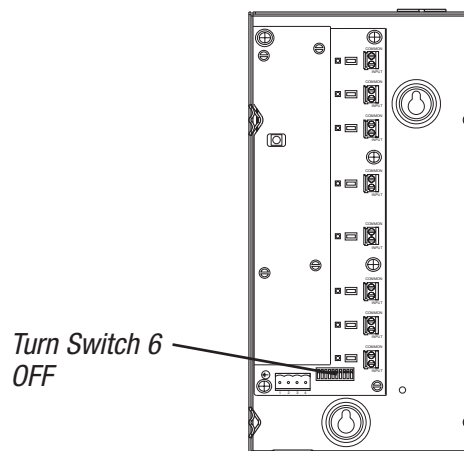
STEP 2

Enter "Limit Set Mode" by pressing and holding the Open and Raise buttons on the CCI simultaneously for 5 seconds. The LEDs next to the Close button will flash quickly, the LED next to Open will flash slowly.

Press and hold the Open and Raise buttons for 5 seconds

SETTING LIMITS

Programming | Setting Limits from a CCI

STEP 3

Select the shade to adjust by pressing and releasing Open on the CCI. Each time Open is pressed and released, an EDU assigned to the CCI will begin raising and lowering over a short distance (fast cycle). Continue pressing Open, until the desired EDU is selected (fast cycling). The Close button can also be used to select shades, moving through shades in the opposite order. Depending on the installation the EDU that is fast cycling may not be visible from the CCI.

Press the Open button

STEP 4

Adjust the selected EDU to the desired level to set the Open or Close limit to, using the Raise and Lower buttons on the CCI

Adjust the EDUs position using the Raise and Lower buttons
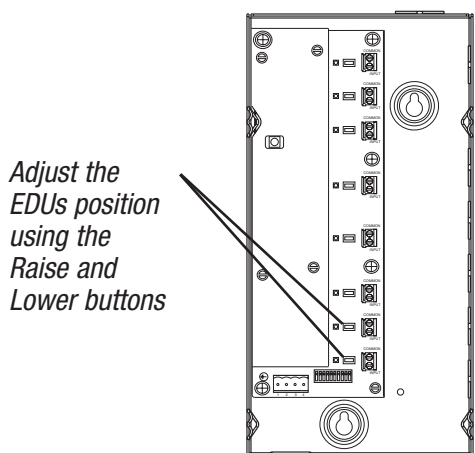
STEP 5

Store the current position as the Open Limit by pressing and holding the Open button on the CCI for 5 seconds. The Open LED will turn on steady for 2 seconds.

OR

Store the current position as the Close Limit by pressing and holding the Close button on the CCI for 5 seconds. The Close LED will turn on steady for 2 seconds.

Press and hold Open to set the Open Limit

OR

Press and hold Close to set the Close Limit
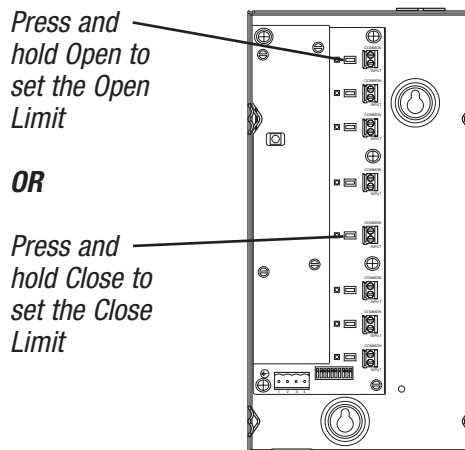
STEP 6

Use the Open or Close buttons on the CCI to select other shades and adjust limits as in steps 4 and 5

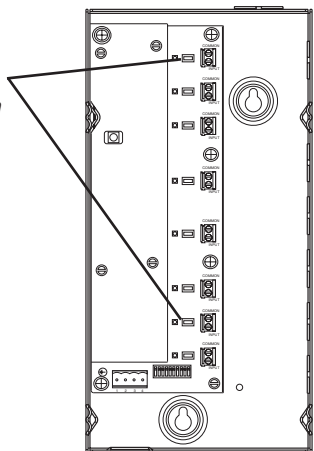*Repeat steps 4 and 5*
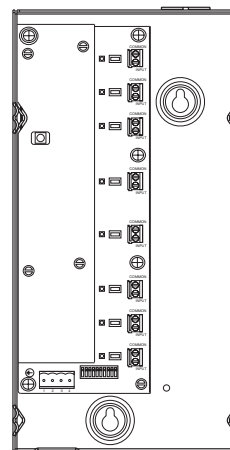
SETTING LIMITS

Programming │ Setting Limits from a CCI

STEP 7

Exit "Limit Set Mode" by pressing and holding Open and Raise buttons on the CCI for 5 seconds.

Press and hold the Open and Raise button for 5 seconds

After addressing the system and setting limits, assign EDUs to each keypad, CCI, and IR receiver.
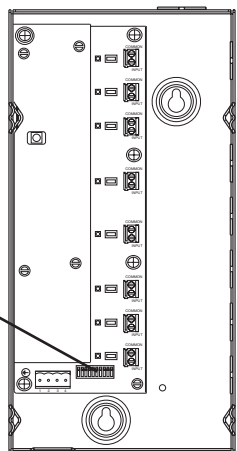
To assign EDUs:
    to a Keypad refer to page 2.24
    to a CCI refer to page 2.29
    to an IR transmitter refer to page 2.32

STEP 8

Return the CCI to normal mode by setting switch 6 back to ON.

Turn Switch 6 ON

SETTING LIMITS

Programming | Setting Limits from an IR Transmitter

Setting Limits Overview

The Open and Close Limits can be set from the EDU, a CCI, keypad or IR transmitter with at least: an Open, Close, Raise and Lower buttons.

The advantage of setting limits remotely from a keypad, IR transmitter, or CCI, is these components are generally easier to access. Setting limits at the EDU may be simpler, and can be done before addressing the system, depending upon the installation.

The Open and Close Limits determine how far an EDU will travel. When the open button is pressed on a Keypad, IR transmitter, or CCI, the EDU will move to the Open Limit. When the close button is pressed on a keypad, IR transmitter, or CCI, the EDU will move to the Close Limit. The EDU will not move higher than the Open Limit or lower than the Close Limit.

Notes:

- The system must be addressed in order to set limits from a keypad, CCI, or IR transmitter.

- When setting limits from a keypad, IR transmitter of CCI, each EDU will move approximately 8–10" as it is selected. Be certain each EDU can move this distance in each direction.

- Setting the Open Limit lower than the Close Limit will cause the shade to move down when raise is pressed and up when lower is pressed.

- Once EDUs have been assigned to keypads, CCIs, and IR receivers, limits can only be set on an EDU, using the keypads, CCIs, and IR receivers it is assigned to.

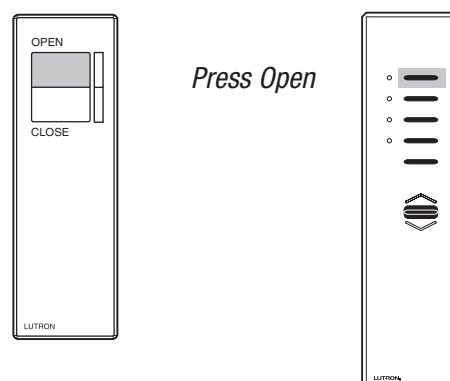## Setting Limits from an IR Transmitter

STEP 1

Aim the IR Transmitter at the IR Receiver integral to the keypad or CCI or wired to an EDU. Enter "Limit Set Mode" by pressing and holding the Open and Raise buttons. LEDs on the keypad and CCI will flash.

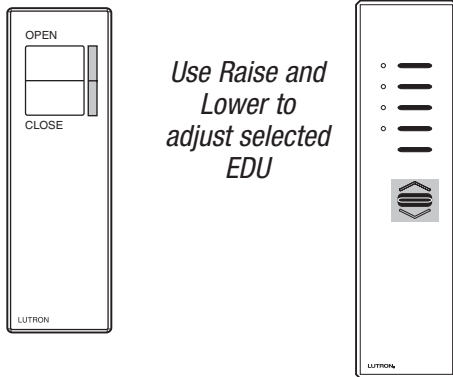*Press and hold Open and Raise for 5 seconds*
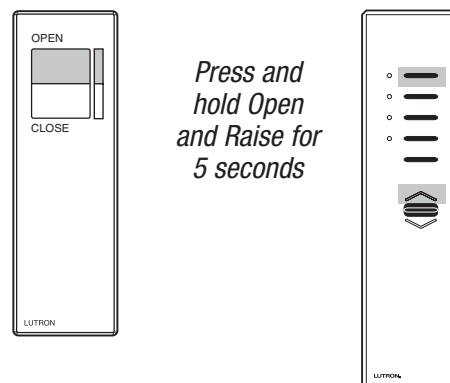
STEP 2

While aiming the IR Transmitter at the IR Receiver, select the shade to adjust by pressing and releasing the Open button on the IR Transmitter. Each time Open is pressed and released, an EDU assigned to the IR Receiver will begin raising and lowering over a short distance (fast cycle). Continue pressing open, until the desired EDU is selected (fast cycling). The Close button can be used to select shades, moving through shades in the opposite order. Depending on the installation, the EDU that is fast cycling may not be visible from where the IR Transmitter is.

Press Open

SETTING LIMITS

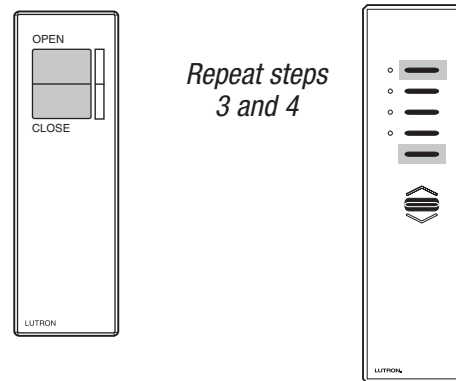# Programming | Setting Limits from an IR Transmitter

STEP 3

While aiming the IR Transmitter at the IR Receiver, adjust the EDU to the desired level, using the Raise and Lower buttons on the IR Transmitter.

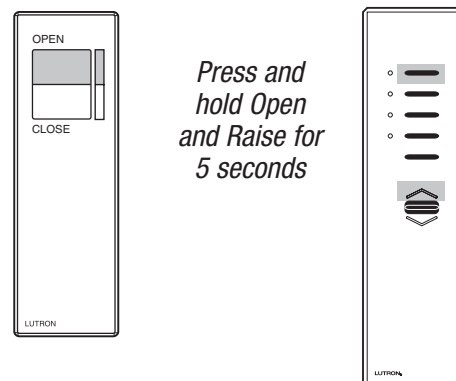*Use Raise and Lower to adjust selected EDU*

STEP 4

While aiming the IR Transmitter at the IR Receiver, store the current position as the Open Limit by pressing and holding the Open button on the IR Transmitter for 5 seconds. **OR** Store the current position as the Close Limit by pressing and holding the Close button on the IR Transmitter for 5 seconds.

Press and hold Open to set the Open Limit   *OR*   *Press and hold Close to set the Close Limit*

STEP 5

While aiming the IR Transmitter at the IR Receiver, use the Open or Close buttons to select other shades and adjust limits as in steps 3 and 4.

Repeat steps 3 and 4
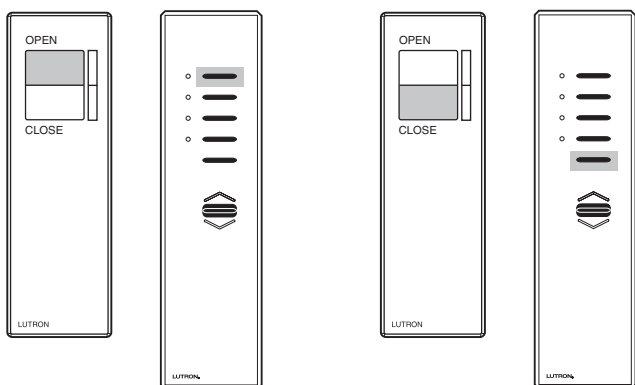
STEP 6

While aiming the IR Transmitter at the IR Receiver, exit "Limit Set Mode" by pressing and holding the Open and Raise buttons for 5 seconds. LEDs on the EDU will turn OFF, LEDs on the keypad will stop flashing and return to previous state.

Press and hold Open and Raise for 5 seconds

After addressing the system and setting limits, assign EDUs to each keypad, CCI, and IR receiver.

To assign EDUs:

SETTING LIMITS

LUTRON

Programming │ Assigning EDUs to Keypads

ASSIGNING EDUs

Assignment Overview

By default, after the system has been addressed, no EDUs are assigned to keypads, CCIs or IR Receivers.

Assignment determines which EDU will be operated by each keypad, IR Transmitter, and CCI. Assigning EDUs to keypads, CCIs or IR Receivers is necessary when operation of an individual, or a user-defined group of EDUs, or all EDUs is desired.

Assigning EDUs to a single keypad, CCI or IR Receiver does not affect which EDUs are operated by other keypads, CCIs or IR Receivers in the system.

Notes:

- Entering "Assignment Mode" causes every EDU in the system to move between it's Open and Close Limits. Make certain that limits have been set appropriately for each EDU in the system before entering "Assignment Mode."

- Controls for integrating with other Lutron systems, including the HWI-SV-5B, RA-SVC, and the SG/SO-5WRL cannot address the *Sivoia QED* system or set limits. These controls operate every EDU.

Assigning EDUs to Keypads when EDUs are accessible

STEP 1

Enter "Assignment Mode" by pressing and holding the Open and Close buttons on the keypad simultaneously for 5 seconds. The LEDs next to the Open and Close buttons will flash, indicating the keypad is ready to initiate "Assignment Mode."

Press and hold the Open and Close buttons for 5 seconds
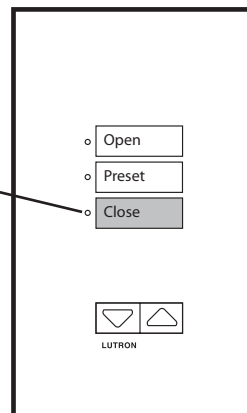
Flashing LEDs
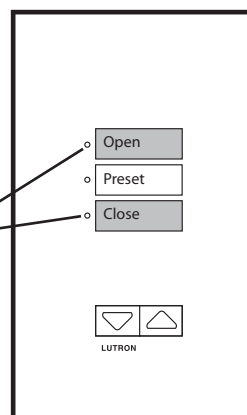
STEP 2

Initiate assigning shades by pressing the Close button. The LED next to the Close button will flash slowly (1 time per second), the LED next to the open button will turn OFF. EDUs that are assigned to the keypad in "Assignment Mode" will move to their Close Limit. EDUs that are not assigned to the keypad in "Assignment Mode" will move to their Open limit.
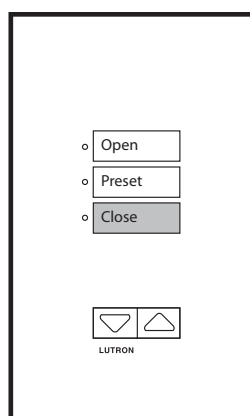
Press Close

Flashing LED

Sivoia QEDTM Quiet Electronic Drive Shading System   2.24   24/7 Service and Support : 1-800-446-1503

Programming | Assigning EDUs to Keypads

STEP 3

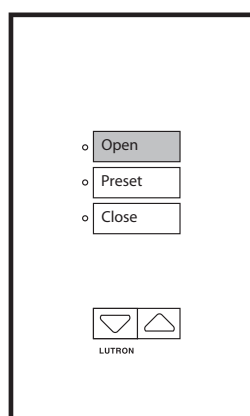Assign or un-assign EDUs as desired. By default no EDUs are assigned to keypads.

In order to **assign** all EDUs in the system, press and hold the Close button for 5 seconds.

In order to **un-assign** all EDUs in the system, press and hold the Open button for 5 seconds.

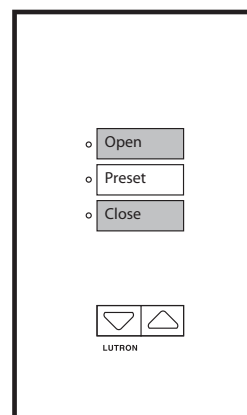

Press and hold Close to assign all EDUs to this keypad

OR

Press and hold Open to un-assign all EDUs to this keypad

STEP 4

Toggle individual EDUs between assigned and un-assigned by pressing any button at the EDU. The EDU will move to its Close Limit when it is assigned, or move to its Open Limit when un-assigned.

EDU Buttons

STEP 5

Exit "Assignment Mode" by pressing and holding the Open and Close buttons simultaneously for 5 seconds. Each EDU will return to the level it was at when "Assignment Mode" was entered.

Press and hold the Open and Close buttons for 5 seconds
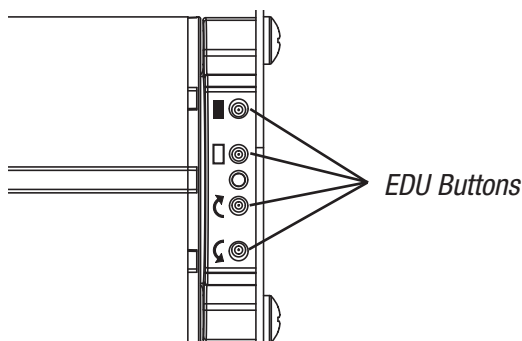
Programming | Assigning EDUs to Keypads

Assignment Overview

By default, after the system has been addressed, no EDUs are assigned to keypads, CCIs or IR Receivers.

Assignment determines which EDU will be operated by each keypad, IR transmitter, and CCI. Assigning EDUs to keypads, CCIs or IR Receivers is necessary when operation of an individual, or a user-defined group of EDUs, or all EDUs is desired.

Assigning EDUs to a single keypad, CCI or IR Receiver does not affect which EDUs are operated by other keypads, CCIs or IR Receivers in the system.

Note:
- Entering "Assignment Mode" causes every EDU in the system to move between it's Open and Close limits. Make certain that limits have been set appropriately for each EDU in the system before entering "Assignment Mode."
- Controls for integrating with other Lutron systems, including the HWI-SV-5B, RA-SVC, and the SG/SO-5WRL cannot address the *Sivoia QED* system or set limits. These controls operate every EDU.
- For information on how to assign inaccessible EDUs to keypads that do not have Raise/Lower buttons, contact the Lutron Technical Support Center at (800) 446-1503.

Assigning EDUs to keypads when EDUs are not accessible

STEP 1

Enter "Assignment Mode" by pressing and holding the Open and Close buttons on the keypad simultaneously for 5 seconds. The LEDs next to the Open and Close buttons will flash, indicating the keypad is ready to initiate "Assignment Mode."

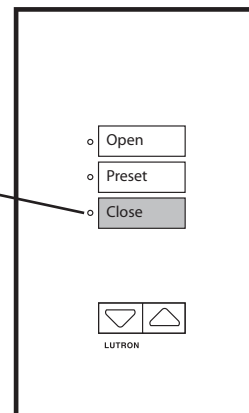*Press and hold the Open and Close buttons for 5 seconds*

Flashing LEDs
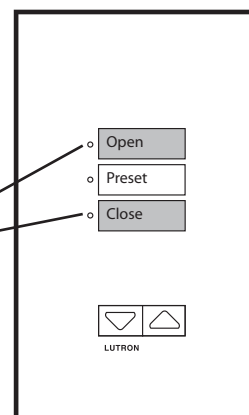
STEP 2

Initiate assigning shades by pressing the Close button. The LED next to the Close button will flash slowly (1 time a second), the LED next to the Open button will turn OFF. EDUs that are assigned to the keypad in "Assignment Mode" will move to their Close Limit. EDUs that are not assigned to the keypad in "Assignment Mode" will move to their Open Limit.
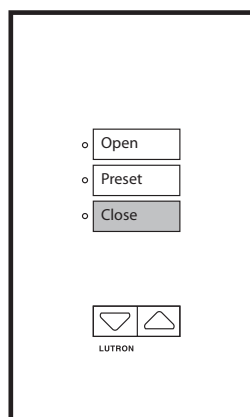
Press Close

Flashing LED

Programming │ Assigning EDUs to Keypads

STEP 3

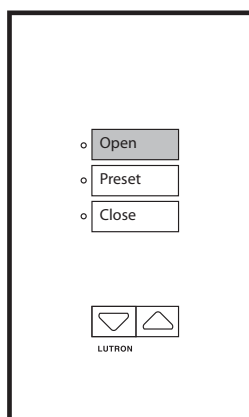Assign or un-assign EDUs as desired. By default no EDUs are assigned to keypads.

In order to **assign** all EDUs in the system, press and hold the Close button for 5 seconds.

In order to **un-assign** all EDUs in the system, press and hold the Open button for 5 seconds.

STEP 4

Using the keypad to select an EDU.

Select the EDU to adjust by pressing and releasing the Open button on the keypad. Each time the Open button is pressed and released, an EDU will fast cycle. Continue pressing Open until the desired EDU is selected and fast cycling. The Close button can also be used to select an EDU, moving through EDUs in the opposite order.

Press and hold Close to assign all EDUs to this keypad   *OR*   *Press and hold Open to un-assign all EDUs to this keypad*
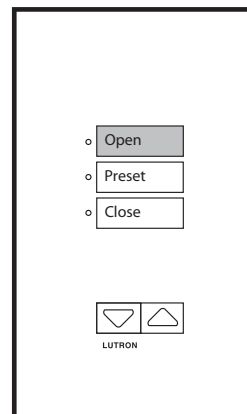
Press and release Open to select an individual EDU

ASSIGNING EDUs

Programming │ Assigning EDUs to Keypads

STEP 5

Assign or un-assign the currently selected EDU using the
Raise and Lower buttons.

To **assign** an EDU, press the Lower button.

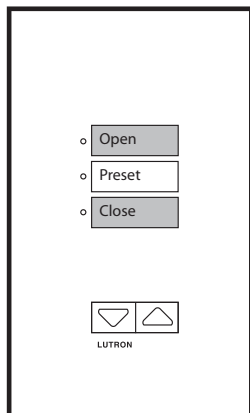To **un-assign** an EDU, press the Raise button

*Use Raise and
Lower to assign
and un-assign*

```
┌─────────────────┐
│                 │
│                 │
│  o ┌─────────┐  │
│    │ Open    │  │
│  o ┌─────────┐  │
│    │ Preset  │  │
│  o ┌─────────┐  │
│    │ Close   │  │
│                 │
│                 │
│    ┌────┬────┐  │
│    │ ▽  │ △  │  │
│    └────┴────┘  │
│      LUTRON     │
│                 │
└─────────────────┘
```

STEP 6

Exit "Assignment Mode" by pressing and holding the Open
and Close buttons simultaneously for 5 seconds. Each EDU
will return to the level it was at when "Assignment Mode"
was entered.

*Press and hold
the Open and
Close buttons for
5 seconds*

```
┌─────────────────┐
│                 │
│                 │
│  o ┌─────────┐  │
│    │ Open    │  │
│  o ┌─────────┐  │
│    │ Preset  │  │
│  o ┌─────────┐  │
│    │ Close   │  │
│                 │
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│    ┌────┬────┐  │
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│    └────┴────┘  │
│      LUTRON     │
│                 │
└─────────────────┘
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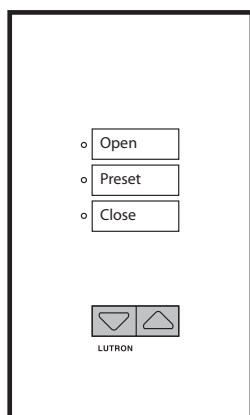
Programming │ Assigning EDUs to a CCI

Assignment Overview

By default, after the system has been addressed, no EDUs are assigned to keypads, CCIs or IR Receivers.

Assignment determines which EDU will be operated by each keypad, IR transmitter, and CCI. Assigning EDUs to keypads, CCIs or IR Receivers is necessary when operation of an individual, or a user-defined group of EDUs, or all EDUs is desired.

Assigning EDUs to a single keypad, CCI or IR Receiver does not affect which EDUs are operated by other keypads, CCIs or IR Receivers in the system.

Notes:
- Entering "Assignment Mode" causes every EDU in the system to move between it's Open and Close limits. Make certain that limits have been set appropriately for each EDU in the system before entering "Assignment Mode."
- The CCI can be configured to accommodate multiple groups of shades (see page 2.53). Configurations other than the default have Open and Close inputs in locations other than inputs 1 and 5.

Assigning EDUs to a CCI when EDUs are not accessible

STEP 1

Begin by entering "Program Mode" on the CCI by setting switch 6 to OFF.

Turn Switch 6 OFF
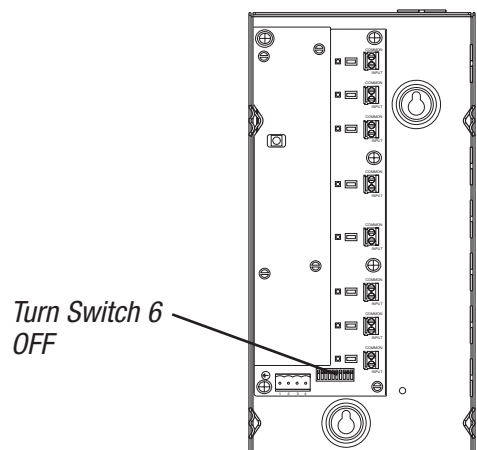
STEP 2

Enter "Assignment Mode" by pressing and holding the Open and Close buttons on the CCI simultaneously for 5 seconds. The LEDs next to the Open and Close buttons will flash, indicating the CCI is ready to initiate "Assignment Mode."

Press the Open and Close buttons for 5 seconds
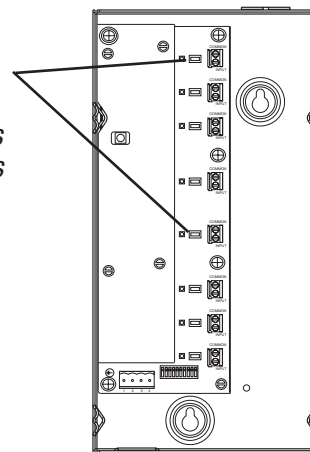
STEP 3

Initiate assigning EDUs by pressing the Close button. The LED next to the Close button will flash slowly (1 time a second), the LED next to the Open button will turn OFF. EDUs that are assigned to the CCI in "Assignment Mode" will move to their Close Limit. EDUs that are not assigned to the CCI in "Assignment Mode" will move to their Open Limit.

Press the Close button
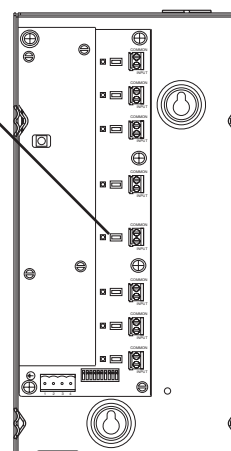
Programming | Assigning EDUs to a CCI

STEP 4

Assign or un-assign EDUs as desired. By default no EDUs are assigned to CCIs.

In order to **assign** all EDUs in the system, press and hold the Close button for 5 seconds.

In order to **un-assign** all EDUs in the system, press and hold the Open button for 5 seconds.

Press and hold Open to un-assign all EDUs

OR

Press and hold Close to assign all EDUs
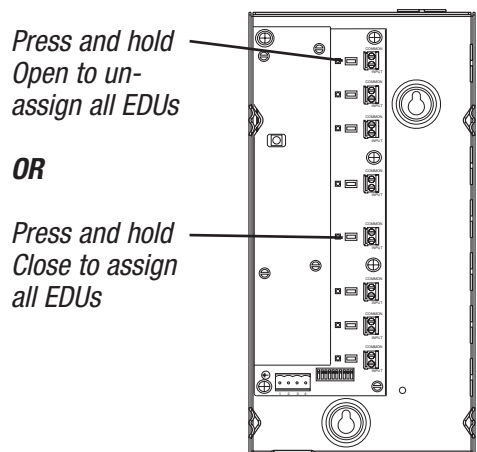
STEP 5

Using the CCI to select an EDU.

Select the EDU to adjust by pressing and releasing the Open button on the CCI. Each time the Open button is pressed and released, an EDU will fast cycle. Continue pressing Open until the desired EDU is selected and fast cycling. The Close button can also be used to select an EDU, moving through EDUs in the opposite order.

Press the Open or Close button to select the next EDU
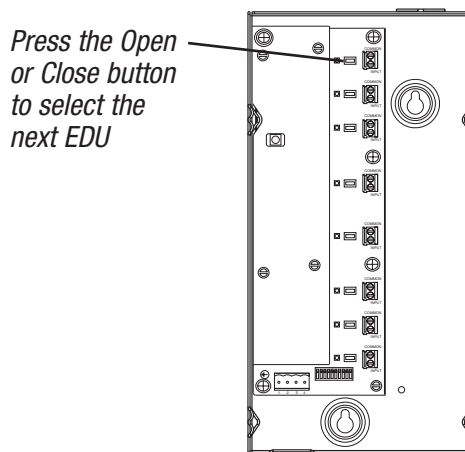
Programming | Assigning EDUs to a CCI

STEP 6

Assign or un-assign the currently selected EDU using the Raise and Lower buttons.

To **assign** an EDU, press the Lower button.

To **un-assign** an EDU, press the Raise button

Press Raise to un-assign the EDU

OR

Press Lower to assign the EDU
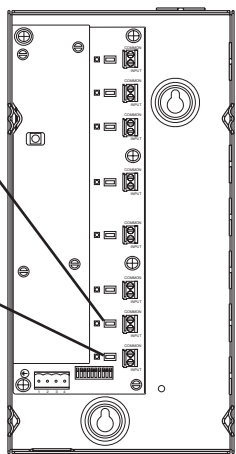
STEP 8

Return the CCI to normal mode by setting switch 6 back to ON.

Turn Switch 6 ON
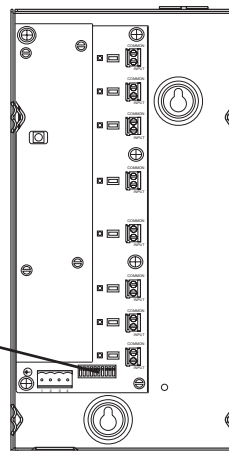
STEP 7

Exit "Assignment Mode" by pressing and holding the Open and Close buttons simultaneously for 5 seconds. Each EDU will return to the level it was at when "Assignment Mode" was entered.

Press and hold the Open and Close buttons for 5 seconds
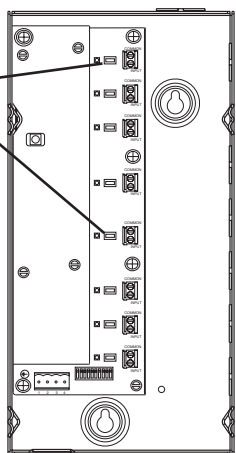
Programming │ Assigning EDUs to IR Receivers

Assignment Overview

By default, after the system has been addressed, no EDUs are assigned to keypads, CCIs or IR receivers.

Assignment determines which EDU will be operated by each keypad, IR Transmitter, and CCI. Assigning EDUs to keypads, CCIs or IR Receivers is necessary when operation of an individual, or a user-defined group of EDUs, or all EDUs is desired.

Assigning EDUs to a single keypad, CCI or IR Receiver does not affect the which EDUs are operated by other keypads, CCIs or IR Receivers in the system.

Notes:

1. Entering "Assignment Mode" causes every EDU in the system to move between it's Open and Close Limits. Make certain that limits have been set appropriately for each EDU in the system before entering "Assignment Mode."

2. EDUs are assigned to IR Receivers, not IR Transmitters. Assigning EDUs to IR controls assigns EDUs to the IR Receiver, not the Transmitter. For CCIs and keypads with IR Receivers, the IR Transmitter operates the same EDUs that the CCI inputs or keypad buttons operate.

3. For SVQ-4S2G-IT and SVQ-4GD-IT, repeat steps 1–6 with each EDU grouping selected.

    Example: Press "All"
                   Press "Both"
                   Do steps 1–6
                   then
                   Press "1"
                   Press "Front"
                   Do steps 1–6

4. The SVQ-4GD-IT operates a group of EDUs and 14 sub-groups. The SVQ-4S2G-IT operates a group of EDUs and 2 sub-groups. The SVQ-4S2G-IT also operates Lutron *GRAFIK Eye* and *Spacer System* lighting controls.

For SVQ-OCIT and SVQ-3PIT Transmitters:

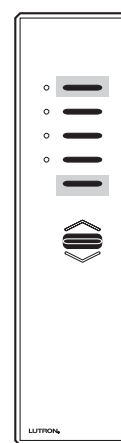**Assigning EDUs to an IR Receiver installed on an EDU**

STEP 1

While aiming the IR Transmitter at the IR Receiver, enter "Programming Mode" pressing and holding the Open and Close buttons on IR Transmitter simultaneously for 5 seconds.
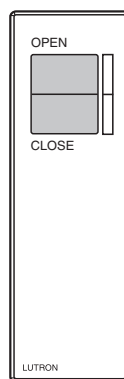
Press and hold the Open and Close buttons for 5 seconds
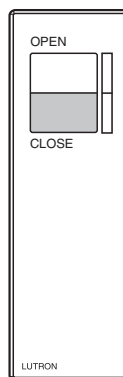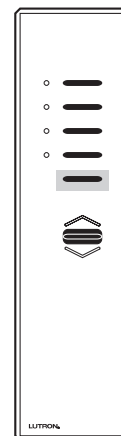
SVQ-OCIT   *OR*   *SVQ-3PIT*

STEP 2

While aiming the IR transmitter at the IR receiver, enter "Assignment Mode" by pressing the Close button. EDUs that are assigned to the IR Receiver in "Assignment Mode" will move to their Close Limit. EDUs that are not assigned to the IR Receiver in "Assignment Mode" will move to their Open Limit.


Press Close

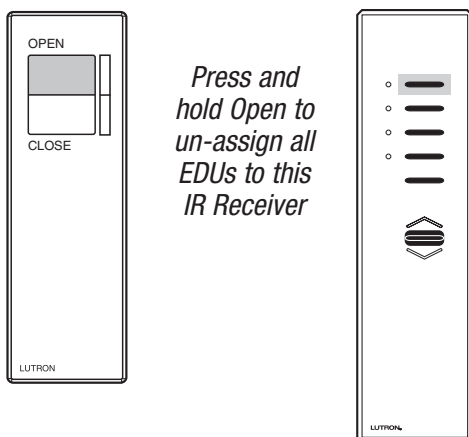# Programming │ Assigning EDUs to IR Receivers

STEP 3

Assign or un-assign EDUs as desired. By default no EDUs are assigned to IR Receivers.

In order to **assign** all EDUs in the system, aim the IR Transmitter at the IR Receiver and press and hold the Close button for 5 seconds.

In order to **un-assign** all EDUs in the system, aim the IR Transmitter at the IR Receiver and press and hold the Open button for 5 seconds.
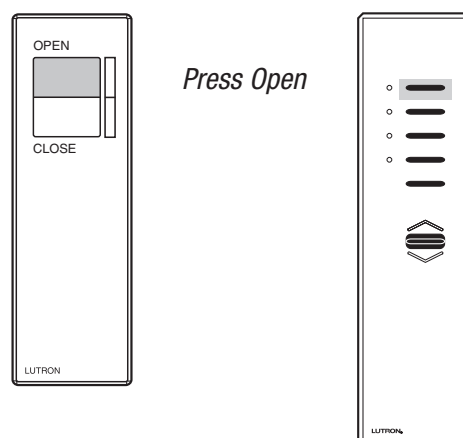
Press and hold Close to assign all EDUs to this IR Receiver

OR
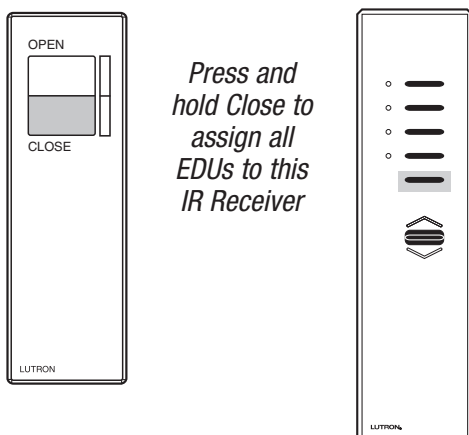
Press and hold Open to un-assign all EDUs to this IR Receiver

STEP 4

Use the IR Transmitter to assign and un-assign individual EDUs to the IR Receiver.

While aiming the IR Transmitter at the IR Receiver, select the EDU to adjust by pressing and releasing the Open button on the IR Transmitter. Each time the Open button is pressed, an EDU will fast cycle over a short distance. Continue pressing and releasing Open until the desired EDU is selected. The Close button can also be used to select an EDU, moving through EDUs in the opposite order.

Press Open

STEP 5

Assign or un-assign the currently selected EDU using the Raise and Lower buttons.

To **assign** an EDU, press the Lower button.

To **un-assign** an EDU, press the Raise button

Use the Raise and Lower buttons to assign and un-assign
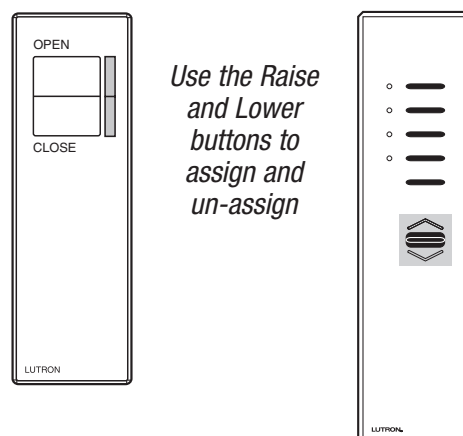
Programming │ Assigning EDUs to IR Receivers

STEP 6

While aiming the IR Transmitter at the IR Receiver, exit "Assignment Mode" by pressing and holding the Open and Close buttons simultaneously for 5 seconds. Each EDU will return to the level it was at when "Assignment Mode" was entered.

Press and hold the Open and Close buttons for 5 seconds

OPEN

CLOSE

LUTRON
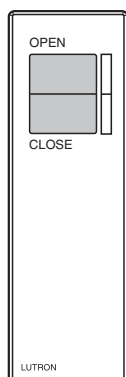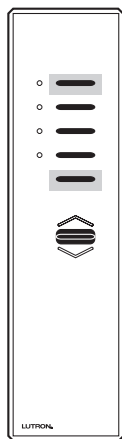
For SVQ-4GD-IT and SVQ-4S2G-IT Transmitters:

Assigning EDUs to an IR Receiver installed on an EDU

The SVQ-4GD-IT and SVQ-4S2G-IT IR transmitters allow the user to operate a group of EDUs or select a smaller sub-group of EDUs to operate.

The SVQ-4GD-IT is designed to accommodate multiple windows with dual EDUs. The buttons at the top of the transmitter allow the user to open, close, raise, or lower the selected EDUs. The middle set of buttons is used to select either the front, rear, or both front and rear EDUs to operate in a dual mount application. The lower set of buttons are used to select windows 1 through 4 or all windows that the EDUs are installed on.

The SVQ-4S2G-IT is designed to accommodate two groups of EDUs and a Lutron lighting control. The buttons at the top of the transmitter allow the user to open, close, raise, or lower the selected EDUs. The middle set of buttons is used select sub-group 1 or 2, or both sub-groups 1 and 2. The lower set of buttons are used to select a lighting scene on a Lutron lighting control.

Begin assigning EDUs to the IR receiver by entering "Assignment Mode" on the IR Transmitter with "Both" front and rear, and "All" windows selected for the SVQ-4GD-IT. For the SVQ-4S2G-IT, select "Both" front and rear groups. After EDUs are assigned to the IR Receiver, assign EDUs to sub-groups on the IR Transmitter by re-entering "Assignment Mode" for the sub-group, such as "Window Group 1" and "Front" for the SVQ-4GD-IT or to assign EDUs to and assigning EDUs to that sub-group.

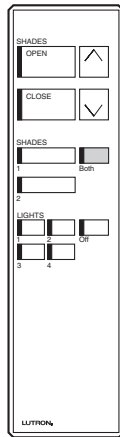# Programming | Assigning EDUs to IR Receivers

STEP 1

Start with assigning EDUs to the All and Both buttons. While aiming the IR Transmitter at the IR Receiver, press the appropriate buttons for your IR Transmitter.
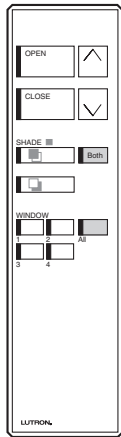
*SVQ-4GD-IT*
Press the All and Both buttons

OR

SVQ-4S2G-IT
Press the Both button

STEP 3

While aiming the IR transmitter at the IR receiver, enter "Assignment Mode" by pressing the Close button. EDUs that are assigned to the IR Receiver in "Assignment Mode" will move to their Close Limit. EDUs that are not assigned to the IR Receiver in "Assignment Mode" will move to their Open Limit.
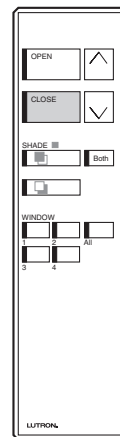
Press Close
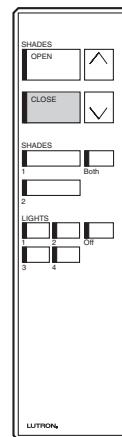
STEP 2

While aiming the IR Transmitter at the IR Receiver, enter "Programming Mode" pressing and holding the Open and Close buttons on IR Transmitter simultaneously for 5 seconds.
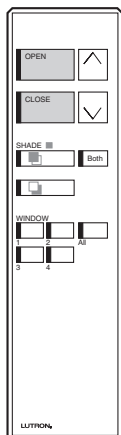
Press and hold the Open and Close buttons for 5 seconds
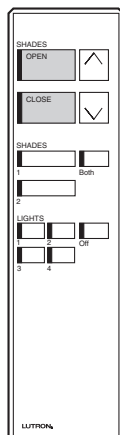
Programming | Assigning EDUs to IR Receivers

STEP 4

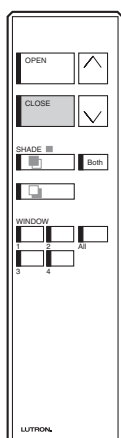Assign or un-assign EDUs as desired. By default no EDUs are assigned to IR Receivers.

In order to **assign** all EDUs in the system, aim the IR Transmitter at the IR Receiver and press and hold the Close button for 5 seconds.

In order to **un-assign** all EDUs in the system, aim the IR Transmitter at the IR Receiver and press and hold the Open button for 5 seconds.
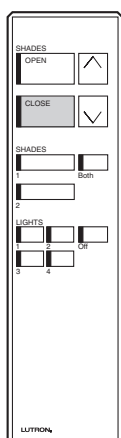
Press and hold Close to assign all EDUs to this IR Receiver

OR

Press and hold Open to un-assign all EDUs to this IR Receiver

STEP 5

Use the IR Transmitter to assign and un-assign individual EDUs to the IR Receiver.
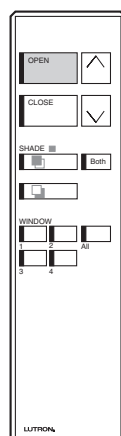
While aiming the IR Transmitter at the IR Receiver, select the EDU to adjust by pressing and releasing the Open button on the IR Transmitter. Each time the Open button is pressed, an EDU will fast cycle over a short distance. Continue pressing and releasing Open until the desired EDU is selected. The Close button can also be used to select an EDU, moving through EDUs in the opposite order.
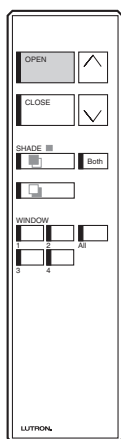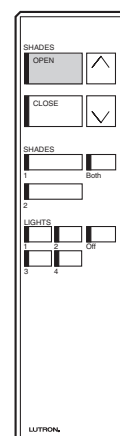
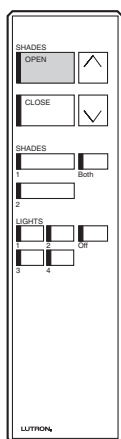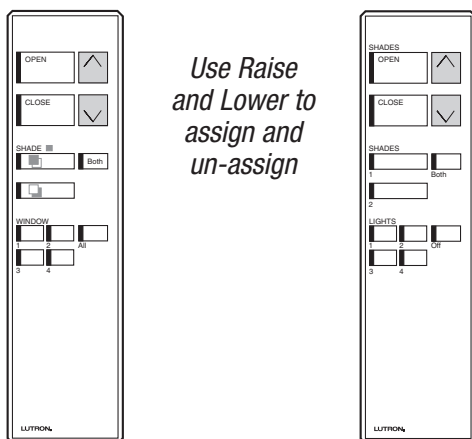*Press Open*

Programming | Assigning EDUs to IR Receivers

STEP 6

Assign or un-assign the currently selected EDU using the Raise and Lower buttons.

To **assign** an EDU, press the Lower button.

To **un-assign** an EDU, press the Raise button

*Use Raise and Lower to assign and un-assign*

STEP 8

Repeat steps 2–7 with all the button combinations that you want to assign EDUs to.

Examples:
Window group 1 and Front
Window group 2 and Front
Window group 3 and Front
Window group 4 and Front
Window group 1 and Rear
Window group 2 and Rear
Window group 3 and Rear
Window group 4 and Rear
Window group 1 Both
Window group 2 Both
All Front
All Rear
etc.

STEP 7

While aiming the IR Transmitter at the IR Receiver, exit "Assignment Mode" by pressing and holding the Open and Close buttons simultaneously for 5 seconds. Each EDU will return to the level it was at when "Assignment Mode" was entered.

Press and hold the Open and Close buttons for 5 seconds
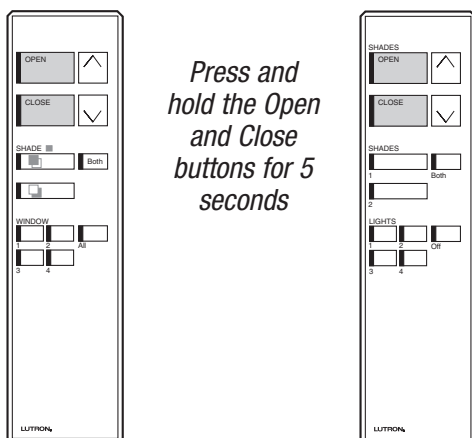
Programming | Storing Presets

Sivoia QED EDUs have the ability to store positions as presets, that can be accessed from keypads, CCIs, and IR Transmitters.

Setting a Preset from a Keypad or IR Transmitter

STEP 1

Store an EDU's current position as a preset by pressing and holding the desired preset button for 5 seconds. The LED next to the preset button will flash, and then turn on, indicating the preset has been stored.

Note: Current position is stored as a preset only on the EDUs that are operated by that preset button.
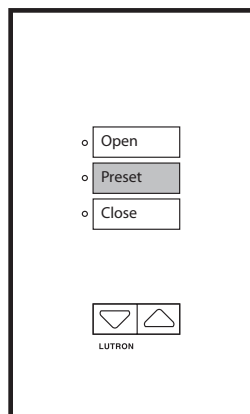
Setting a Preset from a CCI

STEP 1

Set switch 6 to OFF.

STEP 2

Store an EDUs current position as a preset by pressing and holding the desired CCI input closed for 5 seconds. The LED next to the preset button will flash, and then turn ON, indicating the preset has been stored.

Note: Current position is only stored as a preset on the EDUs that are operated by that preset button.

LED next to the selected Preset will flash and the turn ON
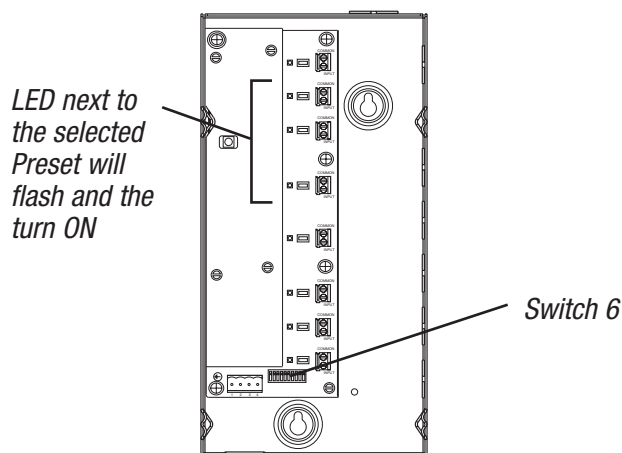
Switch 6

STEP 3

Set switch 6 to ON.

Programming | Locking Presets

Presets can be "locked" to prevent accidental re-programming of presets. All presets, on every keypad can be locked from a single keypad.

Locking presets from a keypad

STEP 1

Lock presets by pressing and holding Open and Preset 1 buttons for 5 seconds. All LEDs on the keypad will flash rapidly for one second (8 times per second), indicating presets have been locked.

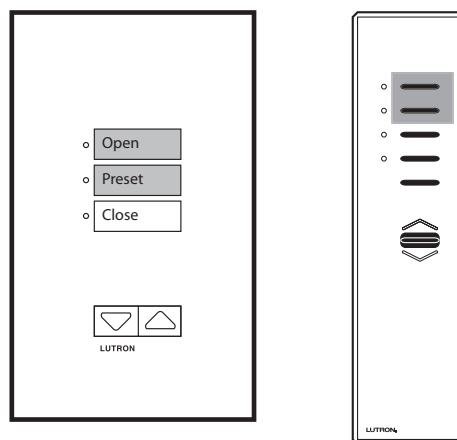**Note:** This locks all presets on every keypad in the system.
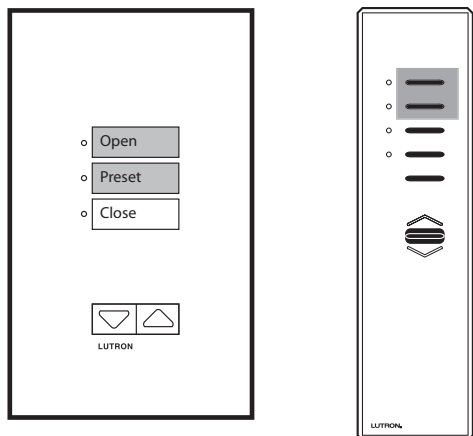
Unlocking presets from a keypad

STEP 1

Unlock presets by pressing and holding Open and Preset 1 buttons for 5 seconds. All LEDs on the keypad will flash once, indicating presets have been unlocked.

Note: This unlocks all presets on every keypad in the system.

PRESETS

Programming | Individual Level Adjust

Individual Level Adjust Overview

Sivoia QED EDUs have the ability to store positions as presets, that can be accessed from keypads, CCIs, and IR Transmitters. Pressing a preset button recalls stored levels for each of the EDUs operated by the preset button.

Sivoia QED keypads, CCIs, and IR Transmitters have the ability to adjust the levels of EDUs individually so that presets that request EDUs to go to unique levels can be created easily.

"Individual Level Adjust Mode" allows an installer to select individual EDUs that have been assigned to a keypad, CCI, or IR Receiver, and change the EDU to the desired level. Once the EDUs are at the desired levels, the installer can then exit "Individual Level Adjust Mode" and store the current levels by pressing and holding a preset button.

Notes:

1. The system must be addressed and EDUs must be assigned to a keypad, CCI, or IR Receiver in order to use "Individual Level Adjust."

2. While using "Individual Level Adjust," each EDU can move approximately 8 to 10 inches as it is selected. Be certain that the limits have been set appropriately.

3. For information on how to adjust the levels of individual EDUs when using keypads that do not have Raise/Lower buttons, contact the Lutron Technical Support Center at (800) 446-1503.
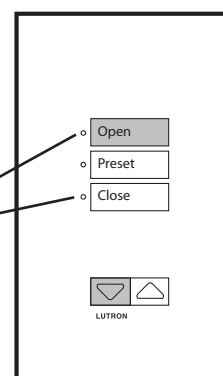
Adjusting Individual Levels from a keypad

STEP 1

Enter "Individual Level Adjust Mode" by pressing and holding the Open and Lower buttons on the keypad simultaneously for 5 seconds. The LED next to the Open button will flash quickly and the LED next to the Close button will flash slowly.

*Press and hold the Open and Lower buttons for 5 seconds*

Flashing LEDs

STEP 2

Select the EDU to adjust by pressing and releasing the Open button on the keypad. Each time Open is pressed and released, an EDU assigned to the keypad will begin raising and lowering over a short distance (fast cycle). Continue pressing Open until the desired EDU is selected (fast cycling). The Close button can also be used to select an EDU, moving through EDUs in the opposite order. Depending on the installation, the EDU that is fast cycling may not be visible from the keypad.
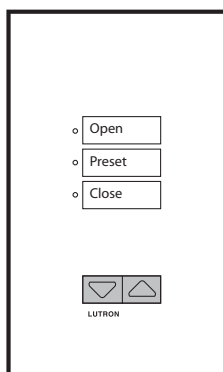
Press Open to select EDU
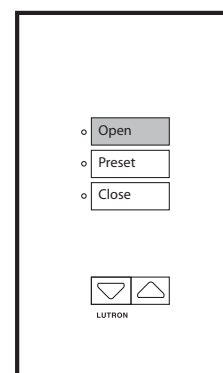
Programming | Individual Level Adjust

STEP 3

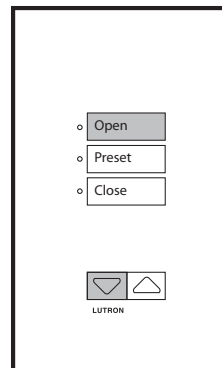Adjust the EDU to the desired level using the raise and lower buttons on the keypad.

Use Raise and Lower to adjust EDU position

> Open
> Preset
> Close
>
> ▽ △
> LUTRON

STEP 4

Use the Open and Close buttons on the keypad to select another EDU to adjust as in Steps 2 and 3.

Press and release Open to select an individual EDU

> Open
> Preset
> Close
>
> ▽ △
> LUTRON

STEP 5

Exit "Individual Level Adjust Mode" by pressing and holding the Open and Lower buttons on the keypad simultaneously for 5 seconds.
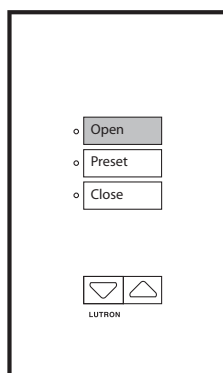
Press and hold the Open and Lower buttons for 5 seconds

> Open
> Preset
> Close
>
> ▽ △
> LUTRON

LEVEL ADJUST

Programming │ Individual Level Adjust

Individual Level Adjust Overview

Sivoia QED EDUs have the ability to store positions as presets, that can be accessed from keypads, CCIs, and IR Transmitters. Pressing a preset button recalls stored levels for each of the EDUs operated by the preset button.

Sivoia QED keypads, CCIs, and IR Transmitters have the ability to adjust the levels of EDUs individually so that presets that request EDUs to go to unique levels can be created easily.

"Individual Level Adjust Mode" allows an installer to select individual EDUs that have been assigned to a keypad, CCI, or IR Receiver, and change the EDU to the desired level. Once the EDUs are at the desired levels, the installer can then exit "Individual Level Adjust Mode" and store the current levels by pressing and holding a preset button.

Notes:

1. The system must be addressed and EDUs must be assigned to a keypad, CCI, or IR Receiver in order to use "Individual Level Adjust."

2. While using "Individual Level Adjust," each EDU can move approximately 8 to 10 inches as it is selected. Be certain that the limits have been set appropriately.

3. The CCI can be configured to accommodate multiple groups of EDUs (see page 2.53). Configurations other than the default, have open, close, raise, and lower buttons in locations other than the inputs given in the following diagrams.

4. "Individual Level Adjust Mode" requires that the CCI is configured such that there is at least an open, close, raise, and lower input.

LEVEL ADJUST

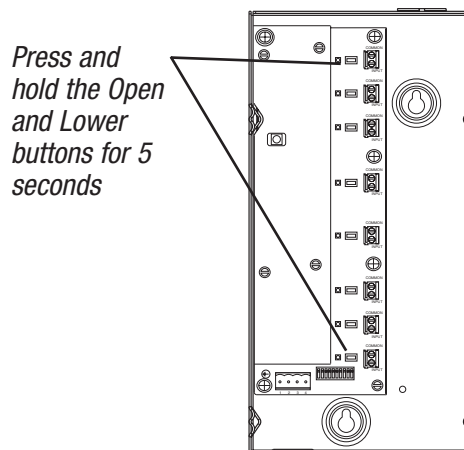## Adjusting Individual Levels from a CCI

STEP 1

Begin by entering "Program Mode" on the CCI by setting switch 6 to OFF.

Turn Switch 6 OFF
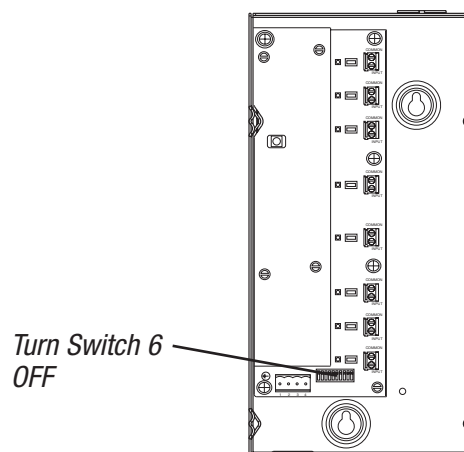
STEP 2

Enter "Individual Level Adjust Mode" by pressing and holding the Open and Lower buttons on the CCI simultaneously for 5 seconds. The LED next to the Open button will flash quickly and the LED next to the Close button will flash slowly. Refer to page 2.53 for Open and Lower button locations on other CCI configurations.
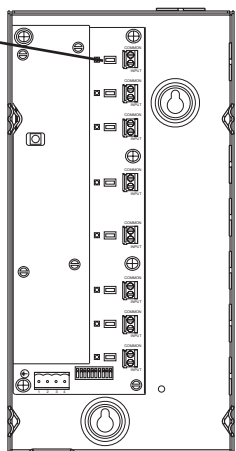

Press and hold the Open and Lower buttons for 5 seconds

Programming | Individual Level Adjust

STEP 3

Select the EDU to adjust by pressing and releasing Open on the CCI. Each time Open is pressed and released, an EDU assigned to the CCI will begin raising and lowering over a short distance (fast cycle). Continue pressing Open until the desired EDU is selected (fast cycling). The Close button can also be used to select an EDU, moving through the EDUs in the opposite order. Depending on the installation, the EDU that is fast cycling may not be visible from the CCI.
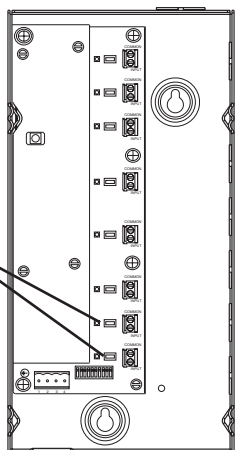
Press Open to select EDU

STEP 4

Adjust the EDU to the desired level using the raise and lower buttons on the CCI.
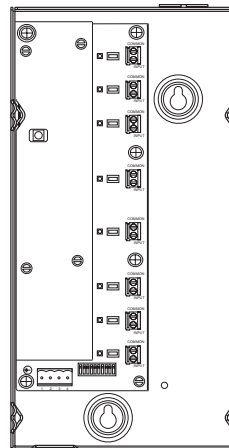
Use Raise and Lower to adjust EDU

STEP 5

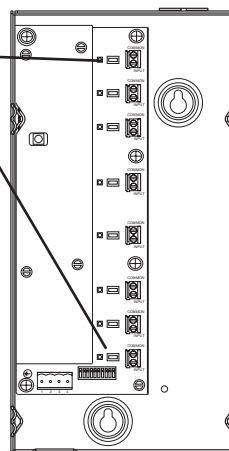Use the Open and Close buttons on the CCI to select another EDU to adjust as in Steps 3 and 4.

Repeat Steps 3 and 4

STEP 6

Exit "Individual Level Adjust Mode" by pressing and holding the Open and Lower buttons on the CCI simultaneously for 5 seconds.
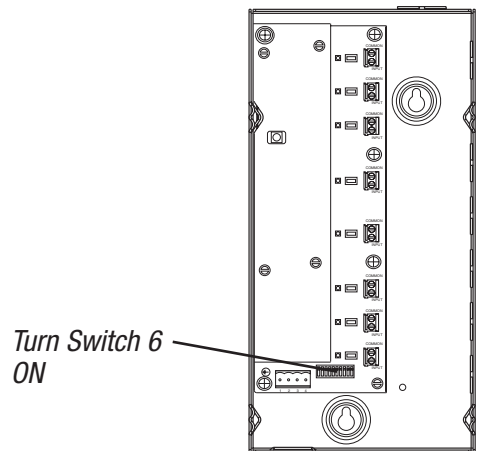
Press and hold the Open and Lower buttons for 5 seconds

LEVEL ADJUST

Programming | Individual Level Adjust

STEP 7

Exit "Programming Mode" on the CCI by setting switch 6
to ON.

*Turn Switch 6
ON*

Programming | Individual Level Adjust

Individual Level Adjust Overview

Sivoia QED EDUs have the ability to store positions as presets, that can be accessed from keypads, CCIs, and IR Transmitters. Pressing a preset button recalls stored levels for each of the EDUs operated by the preset button.

Sivoia QED keypads, CCIs, and IR Transmitters have the ability to adjust the levels of EDUs individually so that presets that request EDUs to go to unique levels can be created easily.

"Individual Level Adjust Mode" allows an installer to select individual EDUs that have been assigned to a keypad, CCI, or IR Receiver, and change the EDU to the desired level. Once the EDUs are at the desired levels, the installer can then exit "Individual Level Adjust Mode" and store the current levels by pressing and holding a preset button.

Notes:

1. The system must be addressed and EDUs must be assigned to a keypad, CCI, or IR Receiver in order to use "Individual Level Adjust."

2. While using "Individual Level Adjust," each EDU can move approximately 8 to 10 inches as it is selected. Be certain that the limits have been set appropriately.

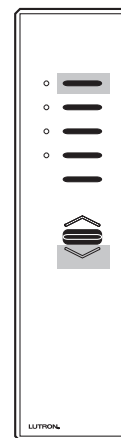## Adjusting Individual Levels from an IR Transmitter

STEP 1

Aim the IR Transmitter at the IR Receiver integral to the keypad or CCI, or wired to an EDU. Enter "Individual Level Adjust Mode" by pressing and holding the Open and Lower buttons on the IR Transmitter simultaneously for 5 seconds.

Press and hold the Open and Lower buttons for 5 seconds

OPEN
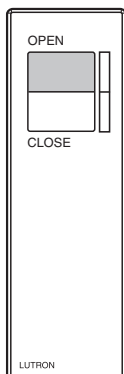
CLOSE

LUTRON

SVQ-OCIT

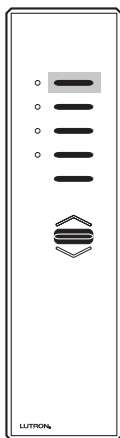*OR*

LUTRON
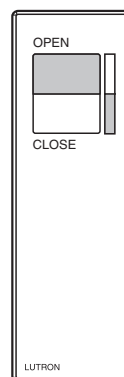
SVQ-3PIT

LEVEL ADJUST

Programming | Individual Level Adjust

STEP 2

While aiming the IR Transmitter at the IR Receiver, select the EDU to adjust by pressing and releasing the Open button on the IR Transmitter. Each time Open is pressed and released, an EDU assigned to the IR Receiver will begin raising and lowering over a short distance (fast cycle). Continue pressing Open until the desired EDU is selected (fast cycling). The Close button can also be used to select an EDU, moving through EDUs in the opposite order. Depending on the installation, the EDU that is fast cycling may not be visible from the IR Receiver.
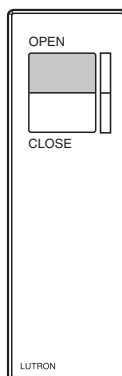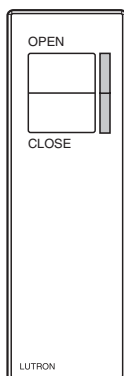
Press Open to select EDU

STEP 3

While aiming the IR Transmitter at the IR Receiver, adjust the EDU to the desired level using the raise and lower buttons on the IR Transmitter.

Use Raise and Lower to adjust EDU

STEP 4

Use the Open and Close buttons on the IR Transmitter to select another EDU to adjust as in Steps 2 and 3.

Repeat Steps 2 and 3

STEP 5

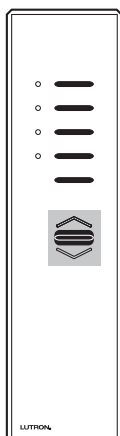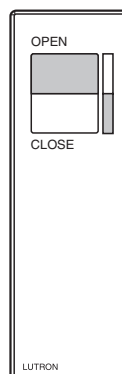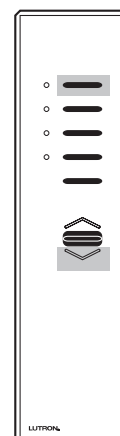While aiming the IR Transmitter at the IR Receiver, exit "Individual Level Adjust Mode" by pressing and holding the Open and Lower buttons on the IR Transmitter simultaneously for 5 seconds.

Press and hold the Open and Lower buttons for 5 seconds

Programming │ Adding Components

Components can be added to the *Sivoia QED* system at any time, up to a maximum of 64 EDUs and 32 keypads total. One CCI counts as one keypad. Adding components does not affect the programming of already installed components.

Keypads and CCIs

When keypads or CCIs are added, they will operate all of the EDUs on the communication link until the system is addressed. It's required when adding a keypad, CCI, or EDU to address the system. After the system is addressed, you will need to assign EDUs to the new keypad or CCI.

EDUs

When EDUs are added, they will not respond to any keypad or CCI on the communication link by default.

It's required when adding a keypad, CCI, or EDU to address the system. When adding an EDU you must also set its upper and lower limit. After the limits are set, you will need to assign the EDU to keypads or CCIs.

Addressing the system

It's required when adding a keypad, CCI, or EDU to address the system. Addressing must be done with the entire system powered and wired to the communications link. Addressing can be accomplished from any, new or existing, keypad, CCI, or EDU in the system.

Note: Do not add previously addressed components, or combine two previously addressed systems without restoring all components to factory default settings.

To add a keypad or CCI to the system

STEP 1

Install the new keypad or CCI as described in the installation instructions. Connect the keypad or CCI to the communications link.

STEP 2

Address the system. Refer to the section of this manual on "Addressing."

STEP 3

Assign EDUs to the keypad or CCI. Refer to the section of this manual on "Assigning EDUs to keypads or CCIs".

To add an EDU to the system

STEP 1

Install the new EDU as described in the installation instructions. Connect the EDU to the communications link and power supply.

STEP 2

Address the system. Refer to the section of this manual on "Addressing."

STEP 3

Set the limits for the new EDU. Refer to the section of this manual on "Setting Limits."

STEP 4

Assign the new EDU to keypads, CCIs, or IR Transmitters. Refer to the section of this manual on "Assigning EDUs."

ADVANCED PROGRAMMING
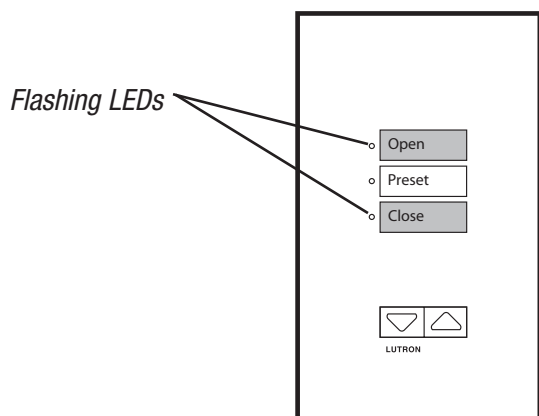
Programming | Restoring Default Settings

Restoring a keypad, CCI, or EDU to its Factory Default Settings will erase all current programming for the device. **Do not** do this unless you are certain that it is necessary. For more information contact the Lutron Technical Support Center at 800-446-1503.

Returning an EDU to its Factory Default Settings does not erase the upper and lower limit settings. All other programming in the EDU is erased when it's returned to the Factory Default Settings.
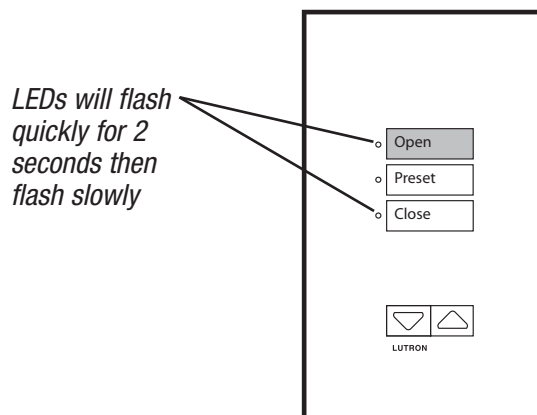
Returning a Keypad to its Factory Default Setting

STEP 1

Simultaneously press and hold the Open and Close buttons on the keypad for 5 seconds. The LEDs next to the Open and Close buttons will flash.

Flashing LEDs

Open
Preset
Close

LUTRON

STEP 2

Press and hold the Open button for 5 seconds. The LEDs next to the Open and Close buttons will flash quickly for 2 seconds then flash slowly.

LEDs will flash quickly for 2 seconds then flash slowly

Open
Preset
Close

LUTRON

STEP 3

Press and hold the Close button for 5 seconds. The LEDs next to the Open and Close buttons will flash quickly for 2 seconds then flash slowly.

LEDs will flash quickly for 2 seconds then flash slowly

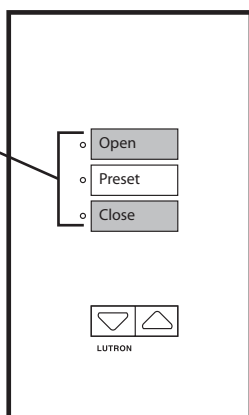Open
Preset
Close

LUTRON

ADVANCED PROGRAMMING
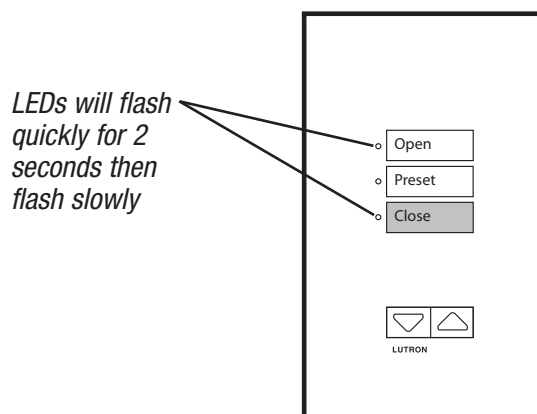
Programming | Restoring Default Settings

STEP 4

Simultaneously press and hold the Open and Close buttons for 5 seconds. The LEDs will turn ON steady then turn OFF. The keypad is now restored to Factory Default Settings.
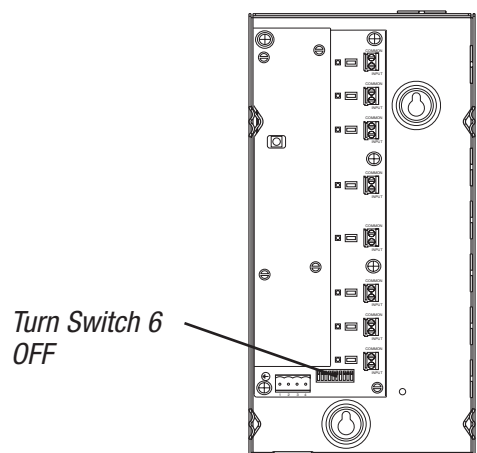
All LEDs turn ON and then OFF

ADVANCED PROGRAMMING

Programming | Restoring Default Settings

Returning a CCI to its Factory Default Setting

STEP 1

Begin by entering "Program Mode" on the CCI by setting switch 6 to OFF.
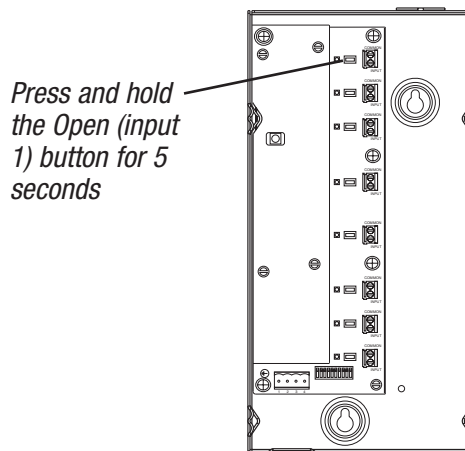
Turn Switch 6 OFF

STEP 2

Simultaneously press and hold the Open (input 1) and Close (input 5) buttons on the CCI for 5 seconds. The LEDs next to the Open (input 1) and Close (input 5) buttons will flash.
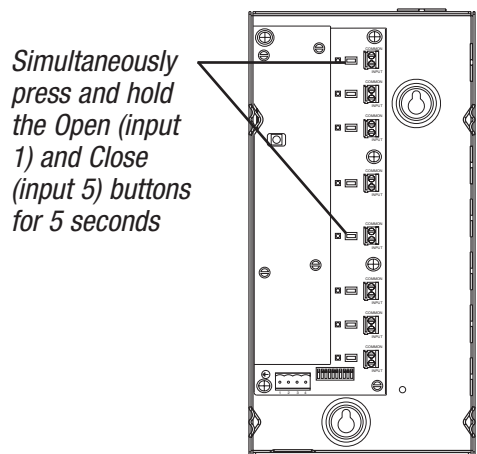
Simultaneously press and hold the Open (input 1) and Close (input 5) buttons for 5 seconds

STEP 3

Press and hold the Open (input 1) button for 5 seconds. The LEDs next to the Open (input 1) and Close (input 5) buttons will flash quickly for 2 seconds then flash slowly.

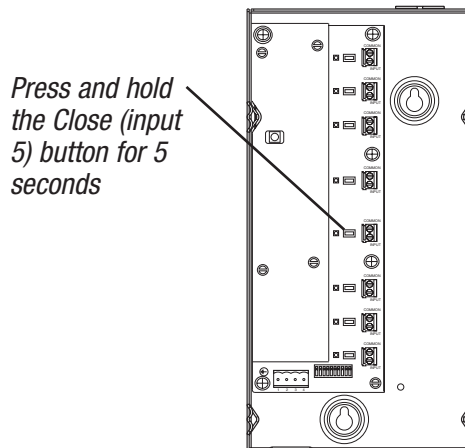*Press and hold the Open (input 1) button for 5 seconds*

STEP 4

Press and hold the Close (input 5) button for 5 seconds. The LEDs next to the Open (input 1) and Close (input 5) buttons will flask quickly for 2 seconds then flash slowly.

Press and hold the Close (input 5) button for 5 seconds

ADVANCED PROGRAMMING

Programming │ Restoring Default Settings

STEP 5

Simultaneously press and hold the Open (input 1) and Close (input 5) buttons for 5 seconds. The LEDs next to the Open (input 1) and Close (input 5) buttons will turn ON steady then turn OFF. The CCI is now restored to Factory Default Settings.
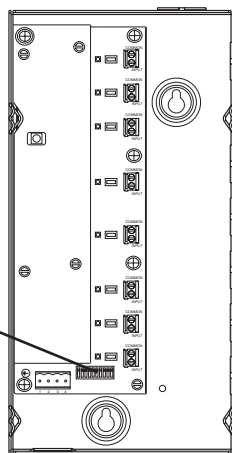
Simultaneously press and hold the Open (input 1) and Close (input 5) buttons for 5 seconds
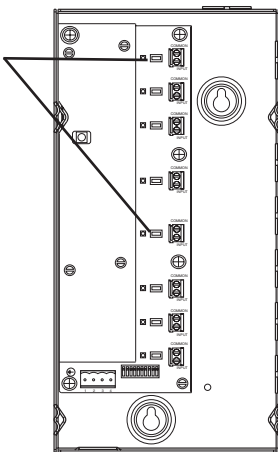
STEP 6

Return the CCI to normal mode by setting switch 6 to ON.

Turn Switch 6 ON

ADVANCED PROGRAMMING

Programming │ Restoring Default Settings

Returning an EDU to its Factory Default Setting

STEP 1

Press and hold the Close Limit button on the EDU for 5 seconds. The LED on the EDU will flash then turn ON steady.

Close Limit Button

STEP 2

Press and hold the Open Limit button for 5 seconds. The LED on the EDU will flash then turn ON steady.
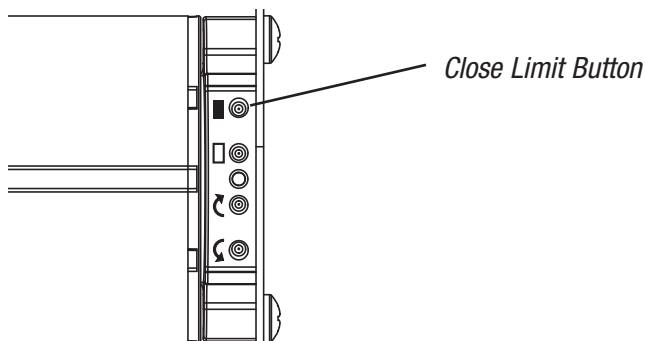
Open Limit Button

STEP 3

Press and hold the clockwise button for 5 seconds. The LED on the EDU will flash then turn ON steady.
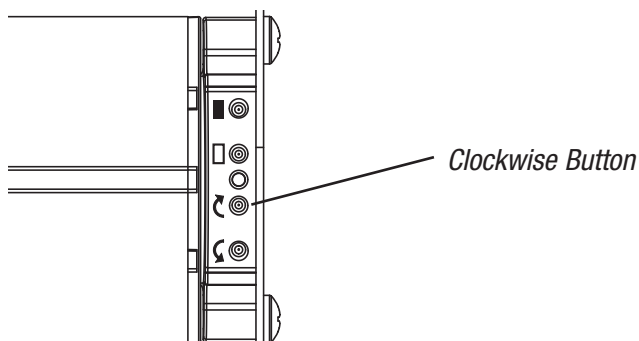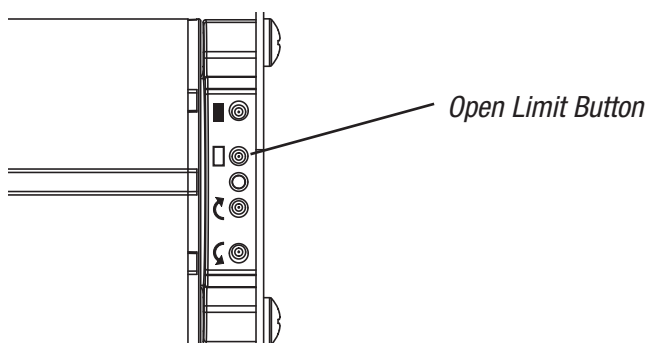
Clockwise Button

STEP 4

Press and hold the counterclockwise button for 5 seconds. The LED on the EDU will flash. The EDU is now restored to Factory Default Settings.

Counterclockwise Button

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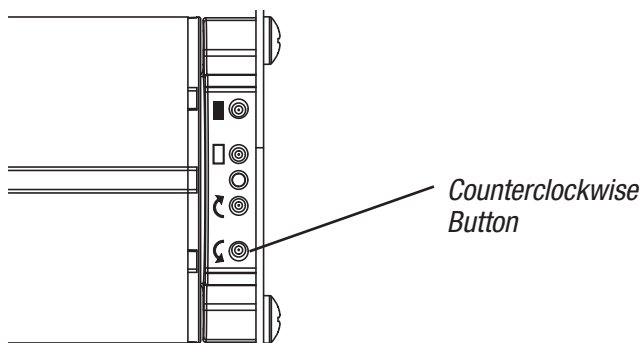
Programming │ Advanced CCI Programming

Controlling multiple groups from a single CCI

As shipped, the CCI allows control of a single group of EDUs from an external device using the functionality shown below. A single CCI can be configured to operate multiple groups of EDUs.

Notes:

1. Changing a CCI's configuration will erase the current programming.

2. The IR receiver on the CCI is disabled in any configuration other than the Standard Configuration.

STEP 1

Determine the desired functionality.

Standard Configuration: This provides you with three presets and raise/lower, but can only operate a single group of EDUs.

Open/Close Configuration: This will enable the CCI to Open or Close up to four groups of EDUs, but does not provide presets or raise/lower.

Open/Close/Raise/Lower Configuration: This will enable the CCI to Open, Close, Raise, and Lower up to two groups of EDUs, but does not provide presets.

Open/Preset/Close/Stop Configuration: This will enable the CCI to Open, Close, or Stop up to two groups of EDUs, as well as having access to a single preset for each group, but does not provide raise/lower.

STEP 2

Set the configuration switches.

Locate the configuration switches on the CCI. The switches will determine the configuration options. Set the switches according to the diagrams below and on the next page.

Standard Configuration

Open
Preset 1
Preset 2
Preset 3
Close
Stop
Raise
Lower

Switch Settings

Open/Close Configuration

Open
Close — Group 1
Open
Close — Group 2
Open
Close — Group 3
Open
Close — Group 4

Switch Settings
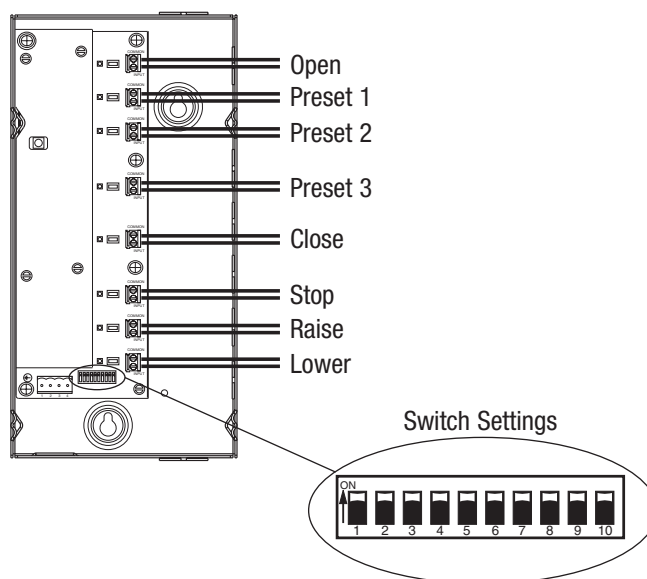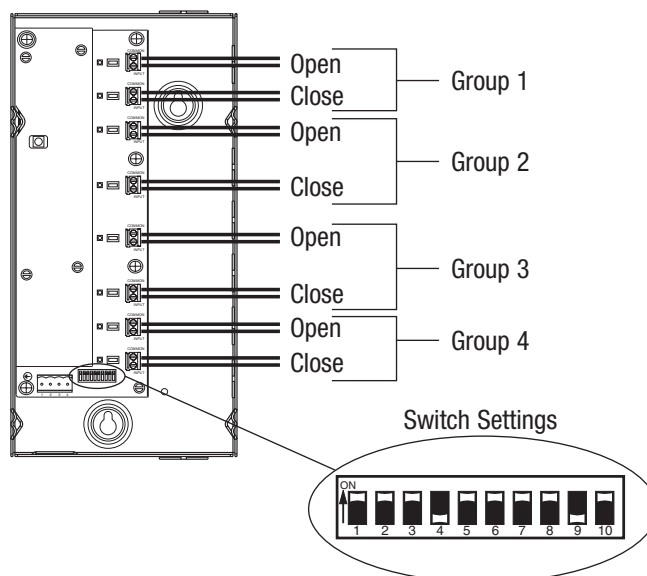
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STEP 2 (continued)

Open/Close/Raise/Lower Configuration

Open
Close
Raise — Group 1

Lower

Open

Close — Group 2
Raise
Lower

Switch Settings

Open/Preset/Close/Stop Configuration

Open
Preset
Close — Group 1

Stop

Open

Preset — Group 2
Close
Stop

Switch Settings

STEP 3

Apply the new configuration.

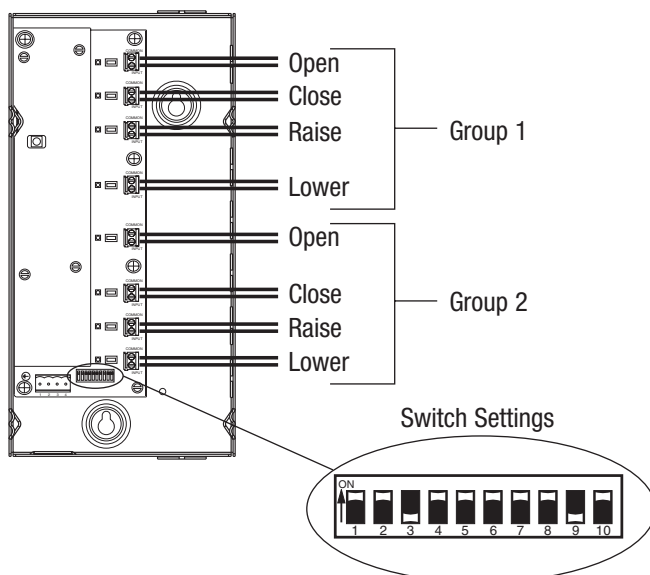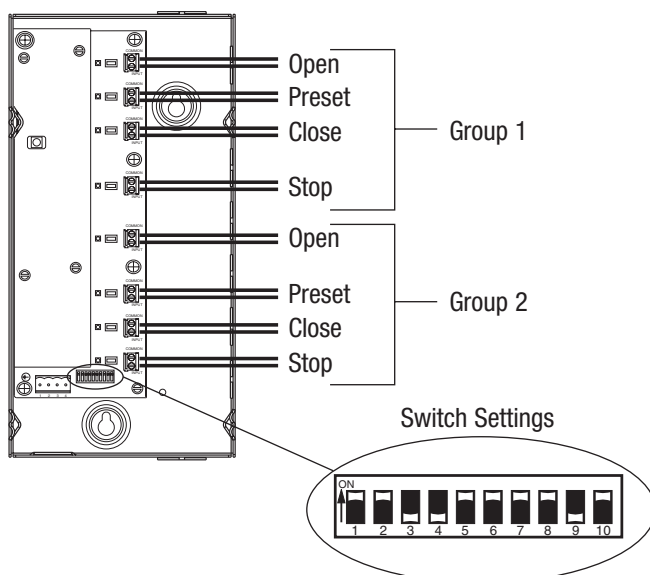Follow the steps in the section "Restoring a CCI to factory Default Settings" on pages 2.50–2.51, in order to apply the new configuration. Make sure to use the **new** Open and Close buttons.

STEP 4

Program the *Sivoia QED* system.

The CCI has now taken on the new configuration. Address the *Sivoia QED* system, set limits if they have not already been set, and assign EDUs to each group on the CCI. For configurations other than the standard CCI configuration, use each group's Open/Close inputs to enter "Assignment Mode" for each individual group.

Note: For Open/Close and Open/Preset/Close/Stop configurations, the Open and Close buttons of the other groups can be used to Unassign or Assign EDUs (in the absence of the Raise or Lower buttons).

Programming | Advanced CCI Programming

CCI Programming Example:

EDU 1   *EDU 2*   *EDU 3*

CCI
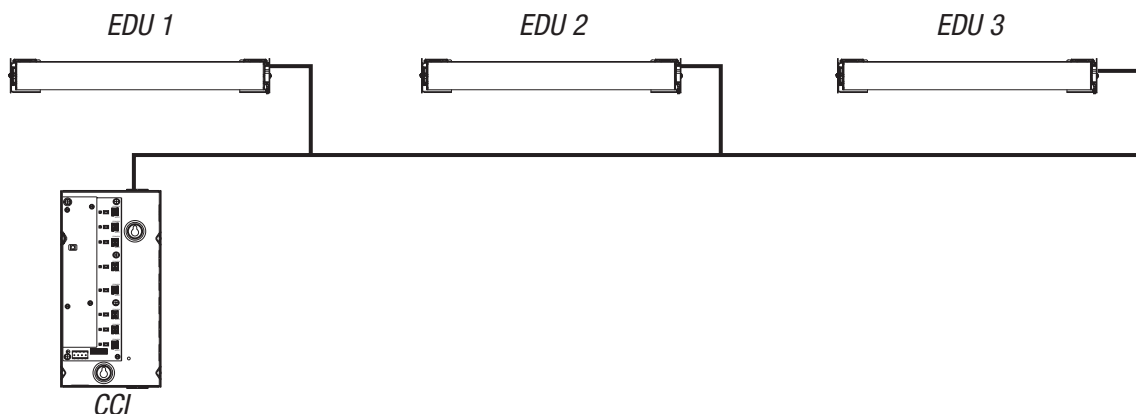
Desired Function:

CCI provides individual EDU control to all three EDUs, as well as all three EDUs as a group.

Programming Example:

1. Configure the CCI to use the Open/Close configuration by setting the configuration switches, and returning to factory defaults.

2. Address the system from the CCI.

3. Set the limits for each EDU at each EDU (if not already done).

4. Assign the first group of the CCI (Open button is 1, Close button is 2) to EDU 1.

5. Assign the second group of the CCI (Open button is 3, Close button is 4) to EDU 2.

6. Assign the third group of the CCI (Open button is 5, Close button is 6) to EDU 3.

7. Assign the fourth group of the CCI (Open button is 7, Close button is 8) to EDUs 1, 2, and 3.

ADVANCED PROGRAMMING

Programming | Common Questions

Do I need to order separate group and individual keypads for *Sivoia QED*?

No, any *Sivoia QED* keypad can be programmed to operate a single EDU, all the EDUs in a system, or any combination of EDUs in a user defined group.

Does it matter which EDU I wire my keypad to if I want to operate a small group of EDUs?

Keypads are not wired to a specific EDU. Keypads are wired to the same communication link that the *Sivoia QED* EDUs are wired to. After a keypad is wired to the communication link, it can be programmed to operate **any combination** of EDUs.

What is required to program a simple *Sivoia QED* system in a small room?

Programming a small system where every keypad operates every EDU requires only the following:
• Addressing the system, which takes approximately one minute
• Setting the limits on the EDUs, which can take a few minutes for each EDU, and
• Assigning all EDUs to each keypad

How can I find out where the Open and Close Limits are set to on my shade?

During normal operation the Raise and Lower buttons on a keypad, or the clockwise and counterclockwise buttons on the EDU will move an EDU to its Open and Close Limits, but not beyond them.

How will I find out if an EDU or keypad has already been addressed?

When a keypad is not addressed, its LEDs will only turn On when a button is pressed and turn OFF as soon as the button is released. An EDU that is not addressed will flash its LED when a clockwise or counter-clockwise button on the EDU is pressed. An EDU that is addressed will turn its LED ON steady when a button on the EDU is pressed.

ADVANCED PROGRAMMING

Troubleshooting

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Troubleshooting

EDU will not move

• EDU is not powered – check EDU power

• Shade fabric is caught on something – Check that shade fabric is not caught on something or binding

• EDU not assigned to keypad, IR transmitter, or CCI

EDU does not fully open or fully close

• Presets have been set incorrectly – try using raise and lower buttons

• Limits have been set incorrectly – refer to "Setting Limits"

• Shade fabric is caught on something – free shade

Shade moves up when pressing lower button, and down when pressing raise button

• Open and close limits have been reversed – refer to "setting limits"

Fabric not level

• Adjust using level adjustment screw

• Check that brackets are mounted level

• Check that fabric is tracking correctly on the shade tube

Fabric not centered over window

• Center shade using center adjustment

• Check that brackets are centered

• Check that fabric is tracking correctly on the tube

Shade does not move smoothly

• Check for binding of shade fabric on side channels, fascia, etc

• Check fabric tracking

Keypad LEDs are off, keypad will not control any shade

• Check that keypad is powered

Keypad LEDs are lit, but keypad will not operate any shade

• All presets have been set to same height – try using raise/lower buttons at keypad

• Communications Link not wired to EDU – check wiring

• EDU has been un-assigned from keypad – refer to assignment section

Keypads will not operate shade, IR works properly

• Check that keypad is powered

• Keypad not wired correctly – check wiring

• EDU has been un-assigned from keypad. Refer to assignment section

• Presets are all programmed to same location, try using raise/lower at keypad

Cannot store presets

• Preset lock enabled

• Presets are being accidently re-programmed – set presets, enable preset lock

Keypad does not operate all the shades it is assigned to

• EDU has been unassigned from keypad – refer to assignment section

• EDU has all presets set to same height, try raise/lower

• EDU is not wired correctly

• Keypad is not wired correctly

IR controls will not operate shade, keypads work properly

• IR transmitter does not have line of site to IR receiver

• Out of range – move to within 30 feet of IR receiver

• EDU has been unassigned to IR receiver – refer to assignment section

• IR receiver not properly installed on EDU

Shades in a room move on their own

• EDUs are assigned to control in another room – refer to assignment section

Notes

Notes

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