Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>User Interface</td>
<td>1</td>
</tr>
<tr>
<td>Setting the Clock</td>
<td>3</td>
</tr>
<tr>
<td>Low Voltage Switch</td>
<td>4</td>
</tr>
<tr>
<td>Momentary</td>
<td>6</td>
</tr>
<tr>
<td>Maintained</td>
<td>7</td>
</tr>
<tr>
<td>Momentary Timed</td>
<td>8</td>
</tr>
<tr>
<td>Digital Switch</td>
<td>11</td>
</tr>
<tr>
<td>Activating Luma-net</td>
<td>14</td>
</tr>
<tr>
<td>Photocell Input</td>
<td>16</td>
</tr>
<tr>
<td>Scheduler Setup</td>
<td>20</td>
</tr>
<tr>
<td>Disable Switch Inputs</td>
<td>27</td>
</tr>
</tbody>
</table>
These instructions were designed to assist the programmer with common setups. It makes the assumption all high and low voltage connections have been properly connected and confirmed.

Since this is a condensed quick document you may see additional selections in some menus. Don’t let this confuse you. Only concern yourself with the selections in the instructions.

Ok, here we go...

The LCD display shows the current operational status of your relay panel and provides a way to operate and configure your product.

When the system is operating normally, the top line of the LCD display shows the day, time, locked/unlocked status of the panel, and the status of the event scheduler. The second line shows the status of the panel: Normal, Bypass ON, Bypass OFF, or Emergency.
User Interface

Programming/Function Buttons

- **MENU**
  Allows the user to navigate through the system configuration and setup menus.

- **SELECT/SAVE**
  Selects or Saves the current menu item.

- **CANCEL**
  Aborts the current entry and returns back one level in the menu structure.

- **CLEAR**
  Clears the current entered value.

- **RELAY ON/OFF**
  Allows for direct front panel control of basic relay functions.

- **ALL ON/ALL OFF**
  Activates all relays in an override state. This operation temporarily disables all switch inputs.

Navigation Buttons

Use the keypad buttons for alpha-numeric data entry.

The UP/DOWN buttons are also used for data entry/value changes and to navigate menus.

The LEFT/RIGHT buttons are also used to changed between “fields” when configuring your panel.

**NOTE** After approximately 3 minutes of inactivity on any menu screen, the LCD will revert back to the status screen.
User Interface

Setting the Clock

Step 1: Press **MENU**

Step 2: Press **UP/DOWN** to: **MAIN MENU SELECT TIME/DATE/ASTRO**

Step 3: Press **SELECT SAVE**

Step 4: Press **UP/DOWN** to: **TIME/DATE/ASTRO SET TIME & DATE**

Step 5: Press **SELECT SAVE**

Step 6: Display should read:

![Display Example](image)

Step 7: Use **UP/DOWN** and data entry buttons to adjust all settings.

Step 8: Press **SELECT SAVE** to save your settings.

**NOTE** For astronomical settings, contact the factory at (800) 959-6004.
The following behaviors are available for programming low voltage switches:

1- Momentary: first switch press is on, second switch press is off.
2- Maintained (SPST): typically a standard wall switch; when the switch is closed, the relays will turn on and when the switch is opened the lights will turn off.
3- Momentary Timed: when switch is pressed, lights on for a specified time period.

Step 1: Press \( \text{MENU} \) to: \( \text{MAIN MENU SELECT CONFIGURATION} \)
Step 2: Press \( \text{UP/DOWN} \) to: \( \text{CONFIGURATION MODE: SIMPLE} \)
Step 3: Press \( \text{SELECT/SAVE} \) to: \( \text{SET OPERATING MODE: ADVANCED} \)
Step 4: Press \( \text{UP/DOWN} \) to: \( \text{CONFIGURATION MODE: ADVANCED} \)
Step 5: Press \( \text{SELECT/SAVE} \) to: \( \text{CONFIGURATION INPUTS} \)
Step 6: Press \( \text{SELECT/SAVE} \) to: \( \text{DISCRETE INPUTS ASSIGN ACTIONS} \)
Step 7: Press \( \text{SELECT/SAVE} \) to: \( \text{ASSIGN ACTIONS SWITCH INPUTS} \)
Step 8: Press \( \text{SELECT/SAVE} \) to: \( \text{ASSIGN ACTIONS SWITCH INPUTS} \)
Low Voltage Switch

Step 15: Display should read: 

NOTE Use \( \uparrow \downarrow \) to select desired switch input. Switch inputs are the hardwired locations within the panel. For instance, a Z-MAX 8 panel has 8 switch inputs; therefore, 001 is the first input and 008 is the eighth input. We will use switch input 001 for this example.

Step 16: Press \( \text{SELECT} \) \( \text{SAVE} \).

To program a Momentary Low Voltage Switch, proceed to Step 17a on page 6.

To program a Maintained Low Voltage Switch, proceed to Step 17b on page 7.

To program a Momentary Timed Low Voltage Switch, proceed to page 8.
Step 17a: Press to:

Step 18: Press

Step 19: Press to:

Step 20: Press

Step 21: Press to relay selection section; the left hand side of 01-01 should be flashing.

Step 22: Use to select desired relays.

Ex.

Step 23: Press

Step 24: To add additional relays, repeat Steps 19 thru 23.

Ex.

If no additional relays are required, press Cancel. To proceed to additional input configurations, repeat Steps 15 thru 23.

Step 25: Press to exit.
Low Voltage Switch | Maintained

<table>
<thead>
<tr>
<th>Step</th>
<th>Action Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Step 17b:</td>
<td>Press to: SWITCH: 001 LOCAL Maintained</td>
</tr>
<tr>
<td>Step 18:</td>
<td>Press</td>
</tr>
<tr>
<td>Step 19:</td>
<td>Press to: SWITCH: 001 LOCAL ADD RELAY/GROUP</td>
</tr>
<tr>
<td>Step 20:</td>
<td>Press</td>
</tr>
<tr>
<td>Step 21:</td>
<td>Press to relay selection section; the left hand side of 01-01 should be flashing.</td>
</tr>
<tr>
<td>Step 22:</td>
<td>Use to select desired relays.</td>
</tr>
<tr>
<td>Ex.</td>
<td>SWITCH: 001 LOCAL Add 1: RLY 01-04</td>
</tr>
<tr>
<td>Step 23:</td>
<td>Press</td>
</tr>
<tr>
<td>Step 24:</td>
<td>To add additional relays, repeat Steps 19 thru 23.</td>
</tr>
<tr>
<td>Ex.</td>
<td>SWITCH: 001 LOCAL Add 2: RLY 07</td>
</tr>
<tr>
<td>If no additional relays are required, press Cancel. To proceed to additional input configurations, repeat Steps 15 thru 23.</td>
<td></td>
</tr>
<tr>
<td>Step 25:</td>
<td>Press to exit.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
A timed switch could be used when there is not an occupancy sensor in the area but you want to make sure the lights don’t remain on over a determined period of time.

**NOTE** You will be required to go through two processes:
A. Setting up the switch TYPE, action and relays to be controlled.
B. Assigning a time to the action.

**Process A:** Setting up the switch, action and relays to be controlled.

1. Press **MENU**
2. Press **to:** **MAIN MENU SELECT CONFIGURATION**
3. Press **to:** **CONFIGURATION MODE: SIMPLE**
4. Press **to:** **SET OPERATING MODE: ADVANCED**
5. Press **to:**
6. Display should read:** **CONFIGURATION MODE: ADVANCED**
7. Press **to:** **CONFIGURATION INPUTS**
8. Press **to:** **DISCRETE INPUTS ASSIGN ACTIONS**
9. Press **to:** **ASSIGN ACTIONS SWITCH INPUTS**
10. Press **to:** **ASSIGN SWITCHES 001: LOCAL**
Low Voltage Switch | Momentary Timed

NOTE Use to select desired switch input. Switch inputs are the hardwired locations within the panel. For instance, a Z-MAX 8 panel has 8 switch inputs; therefore, 001 is the first input and 008 is the eighth input. We will use switch input 001 for this example.

Step 15: Press to:

Step 16: Press to:

Step 17: Press to:

Step 18: Press to:

Step 19: Press to:

Step 20: Press to relay selection section; the left hand side of 01-01 should be flashing.

Step 21: Use to select desired relays.

Ex.

Step 22: Press

Step 23: To add additional relays, repeat Steps 14 thru 22.

Ex.

If no additional relays are required, press Cancel. To proceed to additional input configurations, repeat Steps 14 thru 22.
Low Voltage Switch | Momentary Timed

Process B: Now we will assign a hold time to the switch alone. This is the amount of time the switch will remain active before deactivating and thus shutting the lights off.

Step 1: Press **MENU**

Step 2: Press **SELECT SAVE** to: MAIN MENU SELECT CONFIGURATION

Step 3: Press **SELECT SAVE**

Step 4: Press **SELECT SAVE** to: CONFIGURATION SYSTEM SETUP

Step 5: Press **SELECT SAVE**

Step 6: Press **SELECT SAVE** to: CONFIGURATION GLOBAL DEFAULTS

Step 7: Press **SELECT SAVE**

Step 8: Press **SELECT SAVE** to: CONFIGURATION SW Tswit 30 min

Step 9: Press **SELECT SAVE** to edit the time.

Step 10: Use **SELECT SAVE** to change the time.

Step 11: Press **MENU** to go back to the main screen.

NOTE The time you set is a global time and applies to all timed switches.
The following behaviors are available for programming digital switches:

1- Momentary: first switch press is on, second switch press is off.
2- Maintained (SPST): typically a standard wall switch; when the switch is closed, the relays will turn on and when the switch is opened the lights will turn off.
3- Momentary Timed: when switch is pressed, lights on for a specified time period.

**NOTE** This section will only cover momentary switch functions.

There are two types of switches - low voltage and digital. Low voltage switch inputs are local to the panel with 48 maximum inputs available (1-48). For this discussion, you will begin assigning digital switches beginning at 49 thru 252.

Since digital switches have address switches you will be required to add:

1- Input #
2- Station #
3- Button #
4- Refer to Activating Luma-Net starting on page 16

---

**Step 1:** Press the **MENU** button to:

MAIN MENU SELECT CONFIGURATION

**Step 2:** Press the **SELECT/SAVE** button to:

CONFIGURATION MODE: SIMPLE

**Step 3:** Press the **SELECT/SAVE** button to:

SET OPERATING MODE: ADVANCED

**Step 4:** Press the **SELECT/SAVE** button to:

CONFIGURATION MODE: ADVANCED

**Step 5:** Press **UP** and **DOWN** buttons to:

CONFIGURATION INPUTS

**Step 6:** Press **UP** and **DOWN** buttons to:

DISCRETE INPUTS DEFINE TYPES
Digital Switch | Momentary

**Step 11:** Pres

**Step 12:** Use the numeric keypad to enter “049” for the first digital switch.

Ex. SET INPUT TYPES
049: SWT Act HIGH

**Step 13:** Press twice.

**Step 14:** Use the numeric keypad to enter the digital switch address.

Ex. SET NETWORK: ecL
ADD: 2 BT: 1

**Step 15:** Press once to enter digital switch button.

Ex. SET NETWORK: ecL
ADD: 2 BT: 1

**Step 16:** Press

**Step 17:** For additional inputs or buttons, press the up arrow to “050” for switch input.

Repeat Steps 9 thru 12 for any additional switches or buttons. Otherwise, proceed to Step 14.

**EXAMPLE 1: 5 Button Station**

| INPUT: 049 | SET NETWORK: ecL
ADD: 2 BT: 1 |
| INPUT: 050 | SET NETWORK: ecL
ADD: 2 BT: 2 |
| INPUT: 051 | SET NETWORK: ecL
ADD: 2 BT: 3 |
| INPUT: 052 | SET NETWORK: ecL
ADD: 2 BT: 4 |
| INPUT: 053 | SET NETWORK: ecL
ADD: 2 BT: 5 |
EXAMPLE 2: 3 Single Button Stations

| INPUT: 049 | SET NETWORK: ecL |
| ADD: 2 BT: 1 |
| INPUT: 050 | SET NETWORK: ecL |
| ADD: 3 BT: 1 |
| INPUT: 051 | SET NETWORK: ecL |
| ADD: 4 BT: 1 |

Step 18: Press **CANCEL** to: **DISCRETE INPUTS DEFINE TYPES**

Step 19: Press **UP** to: **DISCRETE INPUTS ASSIGN ACTIONS**

Step 20: Press **SELECT SAVE**

Step 21: Press **UP** to: **ASSIGN ACTIONS SWITCH INPUTS**

Step 22: Press **SELECT SAVE**

Step 23: Use the numeric keypad to select the desired switch input.

Ex. **ASSIGN SWITCHES 049: NETWORKED**

Step 24: Press **SELECT SAVE**

Step 25: Press **UP** to: **SWITCH:049 NETWK Momentary**

Step 26: Press **SELECT SAVE**

Step 27: Press **UP** to: **SWITCH:049 NETWK ADD RELAY/GROUP**

Step 28: Press **SELECT SAVE**
Step 29: Press to relay selection section; the left hand side of 01-01 should be flashing.

Step 30: Use to select desired relays.

Ex. SWITCH:049 NETWK ADD 1: RLY 01-04

Step 31: Press

Step 32: To add additional relays, repeat Steps 27 thru 31.

Ex. SWITCH:049 NETWK ADD 2: RLY 08-12

If no additional relays are required, press Cancel. To proceed to additional input configurations, repeat Steps 23 thru 31.

Step 33: Press once to go back to the main screen.

Step 34: The final step for completing this process will be to activate Luma-net. Refer to Activating Luma-net below.

Activating Luma-net

Step 1: Press

Step 2: Press to: MAIN MENU SELECT CONFIGURATION

Step 3: Press

Step 4: Press to: CONFIGURATION MODE: SIMPLE

Step 5: Press

Step 6: Press to: SET OPERATING MODE: ADVANCED

Step 7: Press
Step 8: Display should read: CONFIGURATION MODE: ADVANCED

Step 9: Press to: CONFIGURATION SYSTEM SETUP

Step 10: Press to: SYSTEM SETUP LUMA-NET

Step 11: Press to: LUMA-NET SETUP OP MODE:DISABLED

Step 12: Press to: LUMA-NET SETUP OP MODE:ENABLED

Step 13: Press to: LUMA-NET SETUP SYSTEM ID:PASS

Step 14: Press to: LUMA-NET SETUP SYSTEM ID:1

Step 15: Press to: LUMA-NET SETUP SYSTEM ID:1

Step 16: Press to: LUMA-NET SETUP SYSTEM ID:1

Step 17: Press to: LUMA-NET SETUP SYSTEM ID:1

Step 18: Press to: LUMA-NET SETUP SYSTEM ID:1

Step 19: Press to: LUMA-NET SETUP SYSTEM ID:1

Step 20: Press to: LUMA-NET SETUP SYSTEM ID:1

NOTE The System ID # cannot be equal to a Station ID #.

Voltage Selection: For 24 or 48 relay panels, install jumper JP5 to 24V. For 8 relay panels, install jumper JP10 to 24V.
Photocell Input

A photocell is a device that receives light, and provides a 0-10Vdc output proportional to the amount of light received. The term foot-candle is a term we use to describe the amount of light received at a point, in this case by a photocell. Since the amount of light in a space can vary greatly from a little bit of light (an office room) to a lot of light (a skylit lobby) various photocells specifically calibrated to the amount of light they may receive exist.

In order to configure your photocell to work with Z-MAX, you must first know a little bit about how your photocell is calibrated. The calibration is expressed by looking at the maximum amount of foot-candles that your photocell is calibrated to receive. This information can usually be found written on the photocell itself, or in its accompanying literature. The photocells Leviton sells and their calibration points are as follows:

**Photocell Types and Ranges**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Max FC</th>
<th>FC/Volt (program into cabinet, see Step 33)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ODCOP</td>
<td>70</td>
<td>7</td>
</tr>
<tr>
<td>PCIND</td>
<td>100</td>
<td>10</td>
</tr>
<tr>
<td>PCOUT</td>
<td>250</td>
<td>25</td>
</tr>
<tr>
<td>PCSKY</td>
<td>2000</td>
<td>200</td>
</tr>
<tr>
<td>PCATR</td>
<td>2500</td>
<td>250</td>
</tr>
</tbody>
</table>

Also note that in the above table we’ve indicated the amount of “foot-candles per volt” which is information you will need in the setup process. This number can be calculated simply by dividing the maximum number of foot-candles by 10 Volts.

For example, a photocell which is calibrated to a maximum of 250 foot-candles, 250Fc/10V = 25FC/V.
**Photocell Input**

**Step 1:** Press \[ \text{MENU} \] to: \[ \text{MAIN MENU SELECT CONFIGURATION} \]

**Step 2:** Press \[ \text{UP/DOWN} \] to: \[ \text{CONFIGURATION MODE: SIMPLE} \]

**Step 3:** Press \[ \text{SELECT SAVE} \]

**Step 4:** Press \[ \text{UP/DOWN} \] to: \[ \text{SET OPERATING MODE: ADVANCED} \]

**Step 5:** Press \[ \text{SELECT SAVE} \]

**Step 6:** Press \[ \text{UP/DOWN} \] to: \[ \text{CONFIGURATION MODE: ADVANCED} \]

**Step 7:** Press \[ \text{SELECT SAVE} \]

**Step 8:** Display should read: \[ \text{CONFIGURATION MODE: ADVANCED} \]

**Step 9:** Press \[ \text{MENU} \] twice to: \[ \text{MAIN MENU SELECT CONFIGURATION} \]

**Step 10:** Press \[ \text{SELECT SAVE} \]

**Step 11:** Press \[ \text{UP/DOWN} \] to: \[ \text{CONFIGURATION INPUTS} \]

**Step 12:** Press \[ \text{SELECT SAVE} \]

**Step 13:** Press \[ \text{UP/DOWN} \] to: \[ \text{DISCRETE INPUTS DEFINE TYPES} \]

**Step 14:** Press \[ \text{SELECT SAVE} \]

**Step 15:** Choose desired input for photocell.

**Ex.:** \[ \text{SET INPUT TYPES} \]
\[ 001: \text{SWT Act HIGH} \]

**Step 16:** Press \[ \text{SELECT SAVE} \]

**Step 17:** Use \[ \text{UP/DOWN} \] to: \[ \text{SET INPUT TYPES} \]
\[ 001: \text{PHO} \]
Step 18: Press \( \text{SELECT} \) to: \text{CHANGE FORMAT? N Data Kept As Is}

Step 19: Use \( \text{UP} \) to change the “N” to “Y”.

Ex. \text{CHANGE FORMAT? Y Data May Be Lost}

Step 20: Press \( \text{SELECT} \) to: \text{SET INPUT TYPES 001: PHO 0-10 VLT}

Step 21: Press \( \text{SELECT} \) to: \text{SET INPUT TYPES 001: PHO Fc: 0010}

Step 22: Press \( \text{SELECT} \) to: \text{DISCRETE INPUTS DEFINE TYPES}

Step 23: Press \( \text{UP} \) to: \text{DISCRETE INPUTS ASSIGN ACTIONS}

Step 24: Press \( \text{SELECT} \)

Step 25: Press \( \text{UP} \) to: \text{ASSIGN ACTIONS PHOTOCELL LEVELS}

Step 26: Press \( \text{SELECT} \) to: \text{ASSIGN PHOTOCELL 001: LOCAL}

Step 27: Press \( \text{SELECT} \) to: \text{PHOCEL: 001 LOCAL ENABLED: YES}

Step 28: Press \( \text{SELECT} \)

Step 29: Press \( \text{UP} \) to choose one of the following:

1 \text{ REL ON-FOR OFF}
Wall switch turns on and photocell turns lights off.

2 \text{ FOR ON-FOR OFF}
Photocell turns lights on and lights off.

3 \text{ FOR ON-REL OFF}
Photocell turns lights on and wall switch turns lights off.

Ex. \text{PHOCEL: 001 LOCAL FOR ON-FOR OFF}
Step 30: Press 

Step 31: Change delay setting, if needed.

Ex. PHOCEL: 001 LOCAL DELAY: 005min

Step 32: Press 

Step 33: Press so the “N/A” for “ON” is flashing.

Ex. PHO: 001 TRIG: 01 ON=N/A OFF=N/A

Step 34: Use the numerical keys to enter the desired foot-candle value for the lights to be triggered on.

Step 35: Press so the “N/A” for “OFF” is flashing.

Step 36: Use the numerical keys to enter the desired foot-candle value for the lights to be triggered off.

Step 37: Press to:

Step 38: Press 

Step 39: Press to relay selection section; the left hand side of 01-01 should be flashing.

Step 40: Use to select desired relays.

Ex. PHO: 001 LCL T: 01 ADD 1: RLY 01-04

Step 41: Press 

Step 42: To add additional relays, repeat Steps 37 thru 41.

Ex. PHO: 001 LCL T: 01 ADD 2: RLY 08-12
You will need to understand the items listed below before starting the procedure.

**Actions:** Actions define *what* is going to happen. The things that are going to happen are called Action Items. You will be required to enter the following information:
1. Action Name
2. Action Items

**Action Items:**
1. Relay ON or OFF
2. Groups ON or OFF
3. Blink Warn Override (BWO)

**Events:** Events establish the time *when* Actions are supposed to happen. You will be required to enter the following event information:
1. Event Name
2. Event Time

**Creating Actions and Action Items:**
The example below will walk you through creating a lights on and off action.

**Step 1:** Press **MENU**

**Step 2:** Press **to:** **MAIN MENU SELECT CONFIGURATION**

**Step 3:** Press **to:** **CONFIGURATION MODE: SIMPLE**

(If the display reads **MODE:ADVANCED**, proceed to Step 9.)

**Step 5:** Press **to:** **SET OPERATING MODE: ADVANCED**

**Step 7:** Press **to:** **CONFIGURATION MODE: ADVANCED**

**Step 8:** Display should read:
Scheduler Setup | Creating Actions

Step 9: Press \textit{MENU} twice.

Step 10: Press \textit{to: MAIN MENU SELECT ACTION EDITOR}

Step 11: Press \textit{SELECT SAVE}

Step 12: Press \textit{to: ACTION EDITOR ADD/EDIT ACTIONS}

Step 13: Press \textit{SELECT SAVE} twice.

Step 14: Name the Action: \textit{ON}.

\textbf{NOTE} You can change the name using the right and left arrow buttons to move the cursor and the up or down arrow buttons to change the character. You can also use the alpha-numeric keypad to enter characters. Tapping the alpha-numeric button the first time will result in the number, tapping the same button again will result in the character listed above the number on the button.

In the case of the 1 and 0 buttons, a hyphen or space character will be displayed respectively. In the case of the number keys 2-9, the left most character will be displayed. For these keys, as they are pressed repeatedly, each successive character, from left to right is displayed until all have been displayed, at which time it wraps back to the number and repeats.

Step 15: Press \textit{SELECT SAVE} when you have finished naming the Action.

Step 16: Press \textit{to: ACTION CHOOSE TO ADD A NEW ITEM}

Step 17: Press \textit{SELECT SAVE}

Step 18: Press \textit{once, then use the arrow keys to set the appropriate range of relays to be controlled by the Action.}

Ex. \textit{SELECT ITEM RLY: 01-04 ON DE}
Scheduler Setup | Creating Actions

Step 19: Press

Step 20: If you need to add a second group of relays to turn on, repeat Steps 15 thru 18. Otherwise, proceed to Step 21.

Step 21: Press

Step 22: Press \( \uparrow \downarrow \) to: ACTION EDITOR ADD/EDIT ACTIONS

Step 23: Press

Step 24: Press \( \uparrow \downarrow \) to: ADD/EDIT ACT# 000 NEW ACTION LIST

Step 25: Press

Step 26: Name the Action: OFF.

Step 27: Press

Step 28: Press \( \uparrow \downarrow \) to: ACTION CHOOSE TO ADD A NEW ITEM

Step 29: Press

Step 30: Press \( \Rightarrow \) once and then use the arrow keys to set the appropriate range of relays to be controlled by the Action.

Ex. SELECT ITEM RLY: 01-04 OFF DE

Step 31: Press \( \Rightarrow \) once and then use the up or down arrow keys to choose the OFF command

Step 32: Press

Step 33: If you need to add a second group of relays to turn off, repeat Steps 27 thru 31. Otherwise, proceed to Creating Events.
## Scheduler Setup | Creating Events

<table>
<thead>
<tr>
<th>Step 1: Press</th>
<th>to:</th>
</tr>
</thead>
<tbody>
<tr>
<td>MENU</td>
<td>MAIN MENU SELECT ACTION EDITOR</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Step 2: Press</th>
<th>to:</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOVE</td>
<td>MAIN MENU SELECT SCHEDULER</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Step 3: Press</th>
</tr>
</thead>
<tbody>
<tr>
<td>SELECT</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Step 4: Press</th>
<th>to:</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOVE</td>
<td>SCHEDULER MENU ADD A NEW EVENT</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Step 5: Press</th>
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<tbody>
<tr>
<td>SELECT</td>
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</table>

<table>
<thead>
<tr>
<th>Step 6: Enter the event time.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ex. Add Event E:001 07:00am</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Step 7: Press</th>
</tr>
</thead>
<tbody>
<tr>
<td>SELECT</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Step 8: Choose the days of the week that the event is to be active on.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ex. 07:00am New:001 MTWTFSS H:-----</td>
</tr>
</tbody>
</table>

If the day of the week is capitalized, then the event will be active on that specific day.

<table>
<thead>
<tr>
<th>Step 9: Press</th>
</tr>
</thead>
<tbody>
<tr>
<td>SELECT</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Step 10: Use</th>
<th>to choose the appropriate action for the event.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOVE</td>
<td>Ex. 07:00AM NEW:001 ON</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Step 11: Press</th>
</tr>
</thead>
<tbody>
<tr>
<td>SELECT</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Step 12: Use</th>
<th>to choose if this event is to be a single event (only happens once).</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOVE</td>
<td>Ex. 07:00am New:001 Single Event=NO</td>
</tr>
</tbody>
</table>
Step 13: Press

Step 14: Use to choose if this event is to be a single event (only happens once).

Ex. E:001 ON Sweep Count=000

NOTE Default sweep count time is 60 minutes; see manual for further information on sweep count or contact our technical support staff at (800) 959-6004.

Step 15: Press

Step 16: Press to:

Step 17: Press

Step 18: Enter the event time.

Ex. Add Event E:002 07:00pm

Step 19: Press

Step 20: Choose the days of the week that the event is to be active on.

Ex. 07:00PM NEW:002 MTWFSS H:----

If the day of the week is capitalized, then the event will be active on that specific day.

Step 21: Use

Step 22: Use to choose the appropriate action for the event.

Ex. 07:00PM NEW:002 OFF

Step 23: Press
Step 43: Use \( \uparrow \downarrow \) to choose if this event is to be a single event.

Ex. 07:00pm New:002
Single Event=NO

Step 25: Press \( \text{SELECT SAVE} \)

Step 26: Use \( \uparrow \downarrow \) to choose a sweep count; or leave as 000 if no sweep count is needed.

Ex. E:001 OFF
Sweep Count=000

Step 27: Press \( \text{SELECT SAVE} \)

Step 28: Press \( \text{MENU} \)
### Scheduler Setup | Testing Events

**Step 1:** Press **MENU**

**Step 2:** Press **↑ ↓** to: **MAIN MENU SELECT TIME/DATE/ASTRO**

**Step 3:** Press **SELECT SAVE**

**Step 4:** Press **↑ ↓** to: **TIME/DATE/ASTRO SET TIME & DATE**

**Step 5:** Press **SELECT SAVE**

**Step 6:** Change the current time to one minute before the ON event is to happen.

**Step 7:** Press **SELECT SAVE**

**Step 8:** Please wait one minute and when the scheduled event time comes up, the selected relays should come on.

**Step 9:** Press **MENU**

**Step 10:** Press **↑ ↓** to: **MAIN MENU SELECT TIME/DATE/ASTRO**

**Step 11:** Press **SELECT SAVE**

**Step 12:** Press **↑ ↓** to: **TIME/DATE/ASTRO SET TIME & DATE**

**Step 13:** Press **SELECT SAVE**

**Step 14:** Change the current time to one minute before the OFF event is to happen.

**Step 15:** Please wait the one minute and when the scheduled event time comes up, the selected relays should go off.
In some cases, the customer may desire to disable a switch, photocell, or occupancy sensor during certain times of the day. The below instructions outline how to set up this scenario.

**Step 1:** Press **MENU**

**Step 2:** Press **SELECT** to: **MAIN MENU SELECT CONFIGURATION**

**Step 3:** Press **SELECT**

**Step 4:** Press **SELECT** to: **CONFIGURATION MODE: SIMPLE**

(If the display reads **MODE:ADVANCED**, proceed to Step 9.)

**Step 5:** Press **SELECT**

**Step 6:** Press **SELECT** to: **SET OPERATING MODE: ADVANCED**

**Step 7:** Press **SELECT**

**Step 8:** Display should read: **CONFIGURATION MODE: ADVANCED**

**Step 9:** Press **MENU** twice.

**Step 10:** Press **SELECT** to: **MAIN MENU SELECT ACTION EDITOR**

**Step 11:** Press **SELECT**

**Step 12:** Press **SELECT** to: **ACTION EDITOR ADD/EDIT ACTIONS**

**Step 13:** Press **SELECT** twice.

**Step 14:** Name the Action: **ON**.
NOTE You can change the name using the right and left arrow buttons to move the cursor and the up or down arrow buttons to change the character. You can also use the alpha-numeric keypad to enter characters. Tapping the alpha-numeric button the first time will result in the number, tapping the same button again will result in the character listed above the number on the button.

In the case of the 1 and 0 buttons, a hyphen or space character will be displayed respectively. In the case of the number keys 2-9, the left most character will be displayed. For these keys, as they are pressed repeatedly, each successive character, from left to right is displayed until all have been displayed, at which time it wraps back to the number and repeats.

Step 15: Press  
Step 16: Press  to: ACTION CHOOSE TO ADD A NEW ITEM
Step 17: Press  
Step 18: Press once and then use the arrow keys to set the appropriate range of relays to be controlled by the Action.

Ex. SELECT ITEM RLY: 01-04 ON 07

Step 19: Press once and then use the up or down arrow keys to choose the ON command.

Step 20: Press once and then use the numerical keys to set the priority level to 7. This allows the scheduler to turn the relays on at one priority level higher than the default of 8.

NOTE The switch inputs default priority is 8. See manual for further information on priorities.

Step 21: Press  

28
Disable Switch Inputs | Creating Actions

Step 22: If you need to add additional relays to turn on, repeat Steps 15 thru 21. Otherwise, proceed to Step 23.

Step 23: Press ⚪CANCEL⚪ back to: ACTION EDITOR
ADD/EDIT ACTIONS

Step 24: Press ⚪SELECT⚪ SAVE

Step 25: Press ⬆️⬇️ to: ADD/EDIT ACT# 000
NEW ACTION LIST

Step 26: Press ⚪SELECT⚪ SAVE

Step 27: Name the Action: OFF.

Step 28: Press ⚪SELECT⚪ SAVE

Step 29: Press ⬆️⬇️ to: ACTION CHOOSE TO
ADD A NEW ITEM

Step 30: Press ⚪SELECT⚪ SAVE

Step 31: Press ⬅️ once and then use the arrow keys to set the appropriate range of relays to be controlled by the Action.

Ex. SELECT ITEM
RYL: 01-04 REL 07

Step 32: Press ⬅️ once and then use the up or down arrow keys to choose the REL (RELINQUISH) command.

Step 33: Press ⬅️ once and then use the numerical keys to set the priority level to 7. This allows the scheduler to relinquish control of the relays back to priority level 8.

NOTE The switch inputs default priority is 8. See manual for further information on priorities.
Step 34: Press  

Proceed to Creating Events if Blink Warn command is NOT required.

Step 35: Press  to:  

Step 36: Press once and then use the arrow keys to set the appropriate range of relays to be controlled by the Action.

Step 37: Press once and then use the up or down arrow keys to choose the BWO (BLINK WARN ON) command.

Ex.  

SELECT ITEM RLY: 01-04 BWO DE

Step 38: Press  

Step 39: If you need to add additional relays to REL, repeat Steps 29 thru 33. Otherwise, proceed to Creating Events.
Disable Switch Inputs | Creating Events

Step 1: Press **CANCEL** twice to:

Step 2: Press **↑↓** to:

Step 3: Press **SELECT SAVE**

Step 4: Press **↑↓** to:

Step 5: Press **SELECT SAVE**

Step 6: Enter the Event time.

Ex.

Step 7: Press **SELECT SAVE**

Step 8: Choose the days of the week that the event is to be active on.

Ex.

If the day of the week is capitalized, then the event will be active on that specific day.

Step 9: Press **SELECT SAVE**

Step 10: Use **↑↓** to choose the appropriate action for the event.

Ex.

Step 11: Press **SELECT SAVE**

Step 12: Use **↑↓** to choose if this event is to be a single event.

Ex.
Step 13: Press

Step 14: Use to choose a sweep count, or leave as 000 if no sweep count is needed.

Ex. E:001 ON
    Sweep Count=000

Default sweep count time is 60 minutes; see manual for further information on sweep count.

Step 15: Press

Step 16: Press to add a second event.

Step 17: Enter the Event time.

Ex. Add Event E:002
    07:00pm

Step 18: Press

Step 19: Choose the days of the week that the event is to be active on.

Ex. 07:00PM NEW:002
    MTWTFSS H:----

If the day of the week is capitalized, then the event will be active on that specific day.

Step 20: Press

Step 21: Use to choose the appropriate action for the event.

Ex. 07:00PM NEW:002
    OFF

Step 22: Press
Disable Switch Inputs | Creating Events

**Step 23:** Use to choose if the event is to be a single event.

Ex. 07:00pm New:002
Single Event=NO

**Step 24:** Press

**Step 25:** Use to choose a sweep count; or leave as 000 if no sweep count is needed.

Ex. E:001 OFF
Sweep Count=000

**Step 26:** Press

**Step 27:** Press
Disable Switch Inputs | Testing Events

Step 1: Press to:

Step 2: Press to:

Step 3: Press to:

Step 4: Press to:

Step 5: Press

Step 6: Change the current time to one minute before the ON event is to happen.

Step 7: Press

Step 8: Please wait one minute and when the scheduled event time comes up, the selected relays should come on.

Step 9: Press to:

Step 10: Press to:

Step 11: Press to:

Step 12: Press to:

Step 13: Press

Step 14: Change the current time to one minute before the OFF event is to happen.

Step 15: Please wait the one minute and when the scheduled time comes up, the selected relays should go off.