INSTRUCTION / INSTALLATION SHEET
RFLC Event Controller

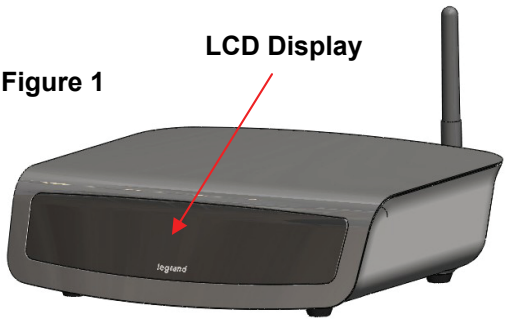
301Fulling Mill Road, Suite G
Middletown, PA 17057
Phone (800) 321-2343 / Fax (717) 702-2546
www.onqlegrand.com

IS-0531 Rev. D

1. Introduction

The Legrand RFLC Event Controller (see ***Figure 1***) provides the capability of controlling any installed RFLC Lighting Control Product subsystem. This control capability is user configurable and initiated via Ethernet or WiFi connected devices, such as PCs and Smart Phones. Using the RFLC Event Controller, the user can Discover and Locate up to 100 RFLC Zones. Once RFLC Zones are Discovered, the user can define system lighting control configurations via: up to 10 Collections of Zones (any discovered Zone can be included within a Collection), up to 10 lighting Scenes (a maximum of 32 Zones can be included within a Scene), and up to 20 Events (up to 2 Scenes can be executed per Event). Control of any discrete Zones, Collections, or Scenes can be initiated via any Ethernet or WiFi connected device (this and other user-specific functionality for this product is covered in greater detail in the online Owner's Manual at www.legrand.us/support).

Figure 1



Additionally, automated lighting Scene control of the RFLC Lighting subsystem can be initiated via date and time based Events.

2. Description

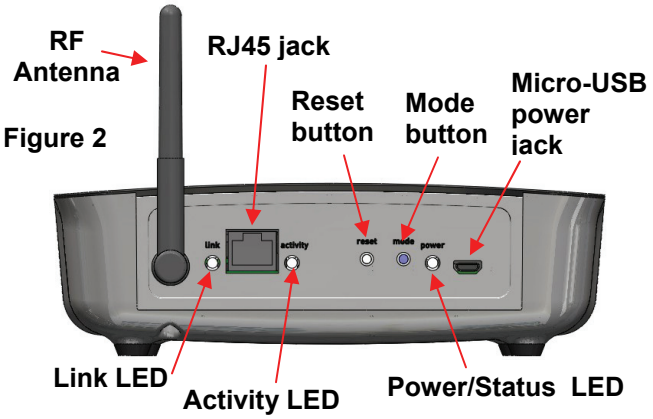
- The RFLC Event Controller unit with a front panel 4-line LCD display (see ***Figure 1***) is provided and contains the following rear panel items (see ***Figure 2***):
  - Provides one RJ45 jack for Network connection with separate Link and Activity LEDs.
  - Provides one recessed Reset push button switch used to reset the unit to "factory default" condition.
  - Provides one Mode push button switch to select various setup and operational display modes.
  - Provides one Power/Status LED to indicate the unit's operational states and status.
  - Provides one micro-USB jack for powering the unit.
  - Provides one RF antenna.
- Also provided is an AC-DC Adapter, (5Vdc output) and Cable Assembly (USB to micro-USB).

3. Installation

IMPORTANT: Read the documentation that is included with all associated Legrand products before installation. If you are unsure of any of the following installation procedures contact Legrand Technical Support @ 1-800-321-2343 option 1 or contact a Legrand installer.
NOTE: Prior to this installation, all other RFLC Lighting Products should be installed and configured!

A. Connect a Cat 5 cable from the RJ45 jack on the rear panel to a Router port that provides DHCP addressing.
B. Connect the AC-DC Adapter to the micro-USB jack on the rear panel.
C. When the unit is connected to an active LAN with DHCP enabled Router connection, upon power up the Display will immediate present "Legrand RFLC Acquiring IP Address". After successful IP acquisition, the Display will list the IP Address as xxx.xxx.xxx.xxx. After a short period of time the Display will transition to "Legrand RFLC Current Time mm/dd/yy hh:mm". The Date and Time will be correct only if the unit is connected to an active WAN connection, updating the on-board Real Time Clock. It is possible to manually set the Date and Time using a PC Browser to access the device's Setup Screens.

Figure 2



D. When the RFLC Event Controller is initially powered up, the Power/Status LED will be solid red in color until an IP Address has been acquired. At the point of IP Address acquisition, the LED will change to an amber color, indicating a factory status condition *(not configured as part of any RFLC Lighting Subsystem)*. Placing any installed and configured RFLC Device within a 100' range into "Learn Mode", will cause the Power/Status LED to change to blinking green, indicating that the Event Controller is now house bound to the existing RFLC Lighting Subsystem. Once the initiating RFLC Device is taken out of "Learn Mode", the Power/Status LED will change to solid green.

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NOTE: To reset the unit to factory condition, push and hold the reset button for 10 seconds, or until the status LED goes to solid amber.

E. By toggling the Mode push button switch, the user can transition through the different Display Modes:
   a. IP Address
   b. Date & Time
   c. MAC Address
   d. Firmware Revision

F. Press and hold the Mode button for 2-3 seconds (or until the Power/Status LED starts blinking amber) to perform an RF Scan. The RF Scan will locate all the devices which the Event Controller can control. The Power/Status LED will return to solid green once the RF Scan has completed. This RF Scan may take several minutes, depending on the size of the RFLC system. There is also an RF Scan option available to the user from the PC Browser Setup Application.

4. Configuration/Operation

A. Using a PC Browser the user can access the Setup Application by entering the IP address shown on the front panel Display. The Setup Application provides the ability to select for customization “System”, “Zones”, “Collections”, “Scenes”, or “Events”. If you select “System”, you should see a screen similar to the one shown in ***Figure 3***.

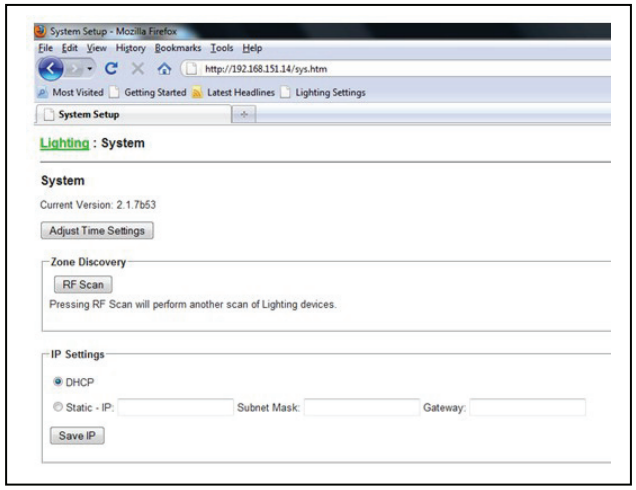

Figure 3

B. To adjust the time, day or daylight savings day/time click on the “Adjust Time Settings” button and you should see a screen similar to the one shown in ***Figure 4***. You can also use this screen to change the zipcode from the 17057 default and change the time zone from the default Eastern Time Zone.

C. If you return to “Lighting” and select “Zones” after an RF Scan, you will see a list of all the zones (load devices) that the Event Controller found during the RF Scan (see ***Figure 5***).

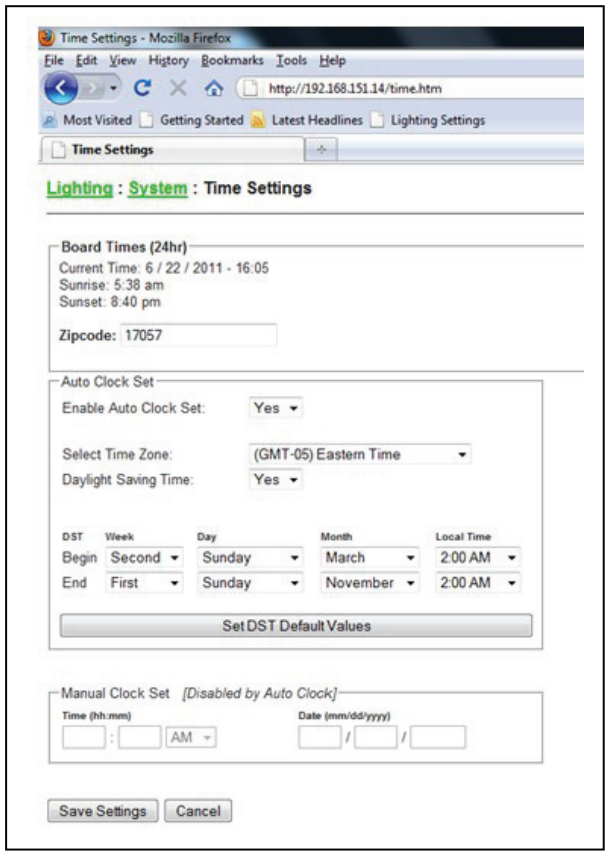

Figure 4

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D. Each Zone is initially given a four digit number. By clicking on the target icon next to the number, that load flashes ten times to allow you to locate it and decide what to name it. Simply overwrite the number of that load with an appropriate name. When you are done locating and re-naming all the loads in the system, click on “Save Settings” as shown on ***Figure 5***.

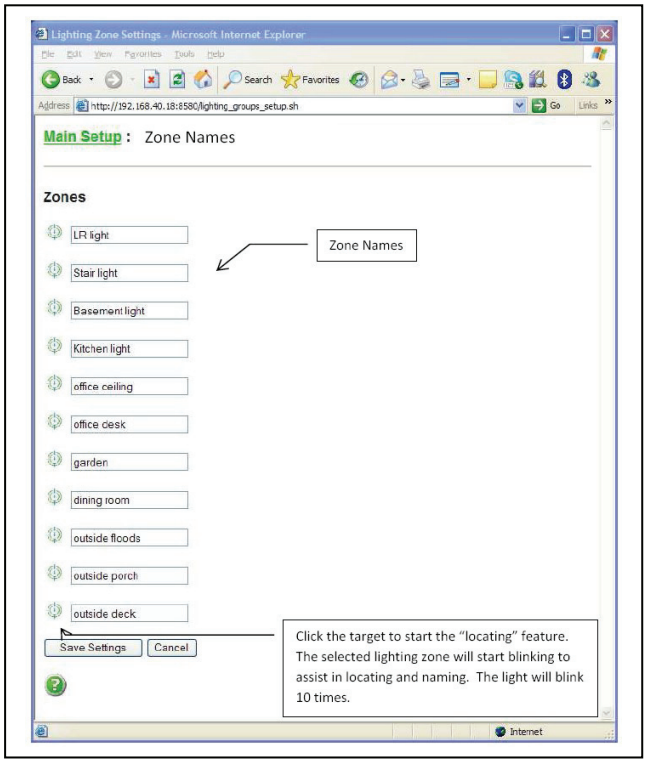

Figure 5

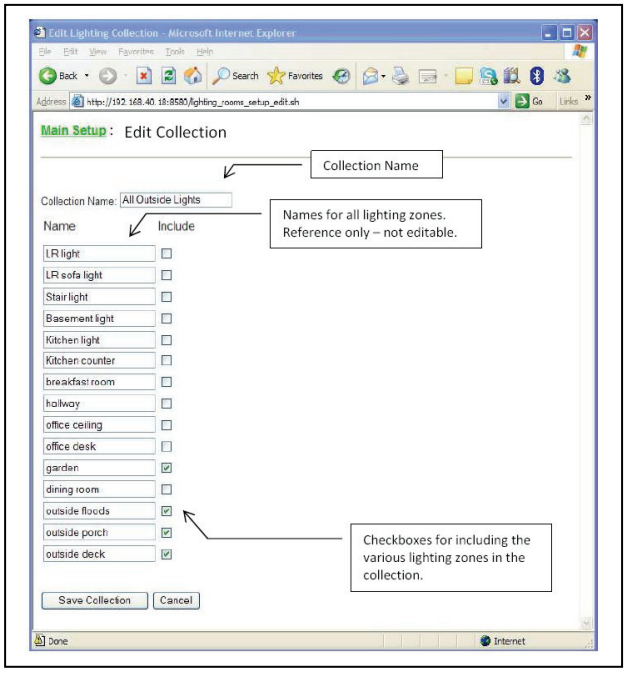

Figure 6

E. Selecting “Collections” allows you to create up to 10 collections of loads (like “Outside Lights”) so that all of the items in the collection may be controlled at one time. You simply check the box next to all the named loads that you want to include in that collection (see ***Figure 6***).

F. Selecting “Scenes” allows you to create up to 10 “Scenes” (like “Dinner” or “Movie”) where each load that is part of the scene will be at a specific light level. On that screen (see ***Figure 7***), you not only select which items to include in the scene, but also decide what the light level should be for each load in that scene. Scenes are very important, because to create an “Event” (basically a timed Scene), you first need to create the Scene that will be associated with that Event.

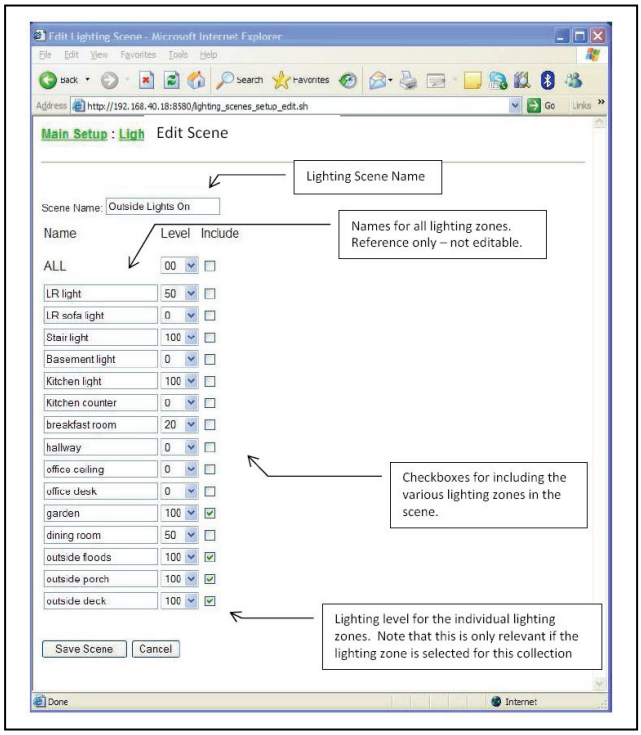

Figure 7

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G. Select “Events” to create a lighting Event or Scene that will take place on a specific day and time or even repeat on certain days, weeks, months, or years. You can create up to 20 Events, each Event containing up to two Scenes. Once you select the Event number (we recommend you give it a name), the editing portion (see ***Figure 8***) allows you to pick which day and time it first occurs. Notice that you can relate the time to sunrise or sunset with a variable, like “turn on the outside lights 10 minutes before sunset”. Then you select how often you want this event to occur. The “Actions” area is where you select which Scene/s will be part of this Event.

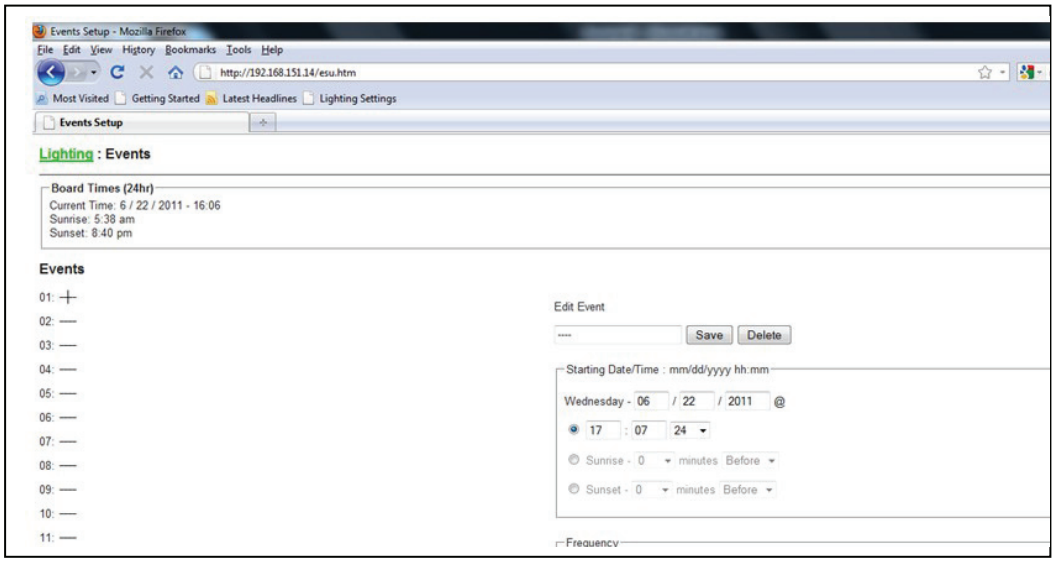

Figure 8

5. Compliancy

FCC Notice - FCC ID: YV8-LC6001
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: Any changes or modifications to this device not explicitly approved by Legrand could void your authority to operate this equipment.

Canadian Department of Communications - IC: 9922A-LC6001
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

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