RYG LED Traffic Signal with Remote Control

**Operation:** When power is applied the signal will self test with each lamp will come on for ½ sec. This verifies power, all bulbs and the control logic is operating properly.

**Direct color selection:** 
- [A] Red
- [B] Yellow
- [C] Green

Buttons provide direct access to respective color. Pressing any color twice (consecutively) will put that lamp into flashing mode. A third press will toggle the flashing mode off.

**Standard Manual Mode:** 
- [A] Red
- [B] Yellow
- [C] Green

Buttons select the 3 individual lights. Pressing a second time will toggle the flashing mode of that color. The [D] Advance button will step the signal through the colors. To change the light to next color, press [D] button (once it goes Red, again it goes Green, then Yellow).

**Automatic Cycle Mode:** The RCN3 control also has 6 automatic cycles included. In order to use these modes Dip Switch #1 must be "ON". Once that light is in a flashing mode, press button [D], this will put the signal into the yellow light phase of the automatic traffic light cycle. See table on page 2 for detail timing.

**Multi-Light Mode:** Some applications may require more than one light to be on simultaneously. If this is desired, set Mode Switch #1 to OFF & #2 to ON. This will allow the lights to toggle on and off with each press. Pressing button [D] will toggle the flashing mode for any lights that are currently on.

**Turn Signal OFF:** In any mode; holding any remote button down for 4 seconds will change all lights to OFF

<table>
<thead>
<tr>
<th>Button</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>[A] RED</td>
<td>1x Red Light/ 2x Red Flashing</td>
</tr>
<tr>
<td>[B] YELLOW</td>
<td>1x Yellow Light/ 2x Yellow Flashing</td>
</tr>
<tr>
<td>[C] GREEN</td>
<td>1x Green Light/ 2x Green Flashing</td>
</tr>
<tr>
<td>[D] ADVANCE</td>
<td>Advance Light/ Auto Cycle (If Flashing)</td>
</tr>
</tbody>
</table>
### Automatic Cycle Modes

<table>
<thead>
<tr>
<th>Single Light static mode</th>
<th>OFF</th>
<th>OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Light Auto Cycle</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>Green Fast [CCD]</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>Yellow Fast [BBD]</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>Red Fast [AAD]</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>Green Slow [CCD]</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>Yellow Slow [BBD]</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>Red Slow [AAD]</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>Multi-Light static mode</td>
<td>OFF</td>
<td>ON</td>
</tr>
</tbody>
</table>

### Red Mode Switch [1 | 2] Setting

- **S1 S2**
- For your safety, remove power before making any changes to the mode switch
- Manual Control, Static and Flashing Only 1 light at a time, [D] Advances Signal
- Auto Mode same as above with Auto-cycle available; press [D] from flashing mode
- Auto Cycle, Yel 4s, Red/Grn 8s, 20s cycle
- Auto Cycle, Yel 5s, Red/Grn 15s, 35s total
- Auto Cycle, Yel 5s, Red/Grn 20s, 45s total
- Auto Cycle, Yel 5s, Red/Grn 30s, 65s total
- Auto Cycle, Yel 5s, Red/Grn 40s, 90s total
- Auto Cycle, Yel 5s, Red/Grn 60s, 125s total
- Full Control of Multiple Colors at a time Button [D] = Toggles Flashing mode

### RCN3 Technical Specifications:

- **RCN3 – Remote Control Traffic Signal Control Sequencer**
- 120VAC / 60Hz (±20%), 150W Maximum lamp, LED or Incandescent
- >300ft operating range under line of sight conditions
- 2yr. Limited Manufacturer’s Warranty

### 4 Button Long Range Remote Transmitter [ABCD Key FOB] (LRR-KT16-4):

- Battery: 2x 3VDC Lithium CR-2016 button cells (10 yr. shelf life, 2yr. w/ daily use)
- RF: 433.92Mhz super heterodyne RF wireless receiver w/1527 learning encoder
- Custom sequences and replacement remotes are available: Contact us

### Adding New Remotes:

To add a new 433Mhz compatible remote to the system:

1. Press the Learn button once on the Receiver Module
2. Red learn LED will come on steady for up to 15 seconds
3. Press any button on the new Remote Control
4. If added successful the learn led will blink 3x and go out

### Clearing all remotes from memory:

1. Press the learn button 8 times
2. Receiver module will flash 8x indicating that all remotes have been cleared from memory

### (FCC Required) RF remote transmitter instructions to the user:

This equipment has been tested and found to comply with the limits for class-B digital devices, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference. This equipment generates, and radiates radio frequency energy and, if not used installed and used in accordance with the instructions may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and the receiver. Connect the equipment into an filtered, surge suppressed outlet or a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

This equipment has been certified to comply with the limits for a class-B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC Regulations, the user is cautioned that changes and modifications made to the equipment without the approval of the manufacturer could void the users authority to operate this equipment.