

How to program scenes in the Room Controller

Overview

The Room Controller now supports programmable scene buttons that can be configured to provide Scene Wallstations. Each scene button can be programmed with user specified load On/Off and Dimmer settings. Using the Room Controller Personal Remote (HHPR-RC) and daylight sensor (DSRC-FMOIR) the user can define up to six scenes and save them into the Room Controller to be recalled later from the Scene buttons or the Personal Remote.

Description

Table 1. Necessary Items for Programming Scene Buttons

Accessory

Room Controller (RC3D, RC3DE, RC3DEHC)

Personal Remote (HHPR-RC)

Daylight Sensor* (DSRC-FMOIR)

Scene Wallstation (ex. RC-6TSB-P3-W)

*The Daylight Sensor is also the IR receiver

Each Room Controller can store up to six scenes. Scenes 1-5 can be triggered using scene buttons located on a Scene Wallstation that is connected to the Room Controller. Scene 6 is a special scene that is triggered upon occupancy detection, turning the lighting On to this special scene. Scene 6 requires that DIP Switches #3 & #4 are in the Up (ON) position on the Room Controller.

The Personal Remote can also trigger all six scenes and can be issued even if a Scene Wallstation is not connected to the Room Controller.

Implementation

Programmable Scenes allow the user to customize the control of the lighting in their spaces and are perfect for conference rooms, classrooms, lecture halls, libraries and other spaces that typically use scene based control.

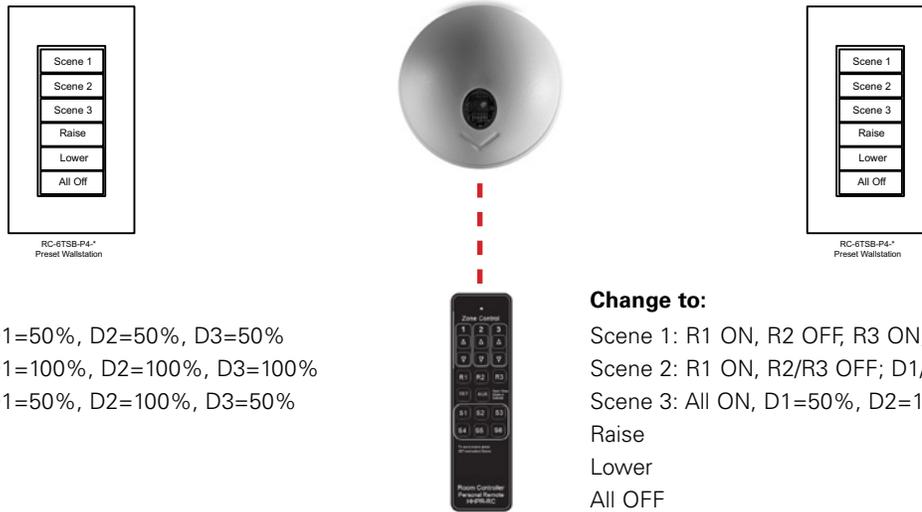


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Programming Scenes

- Using the Personal Remote (HHRP-RC) set the lighting levels the way you want them when you trigger the appropriate scene.
- Press the SET button on the Personal Remote.
- Press the appropriate Scene button S1-S6 on the Personal Remote to save the scene in the Room Controller.

At this point the scene is saved in the Room Controller and can be triggered using the correct button on the Wallstation or Personal Remote shown in **Figure 1**.



Ships as:

- Scene 1: All ON, D1=50%, D2=50%, D3=50%
- Scene 2: All ON, D1=100%, D2=100%, D3=100%
- Scene 3: All ON, D1=50%, D2=100%, D3=50%
- Raise
- Lower
- All OFF

Change to:

- Scene 1: R1 ON, R2 OFF, R3 ON, D1/D2/D3=50%
- Scene 2: R1 ON, R2/R3 OFF; D1/D2=20% D3=75%
- Scene 3: All ON, D1=50%, D2=100%, D3=50%
- Raise
- Lower
- All OFF

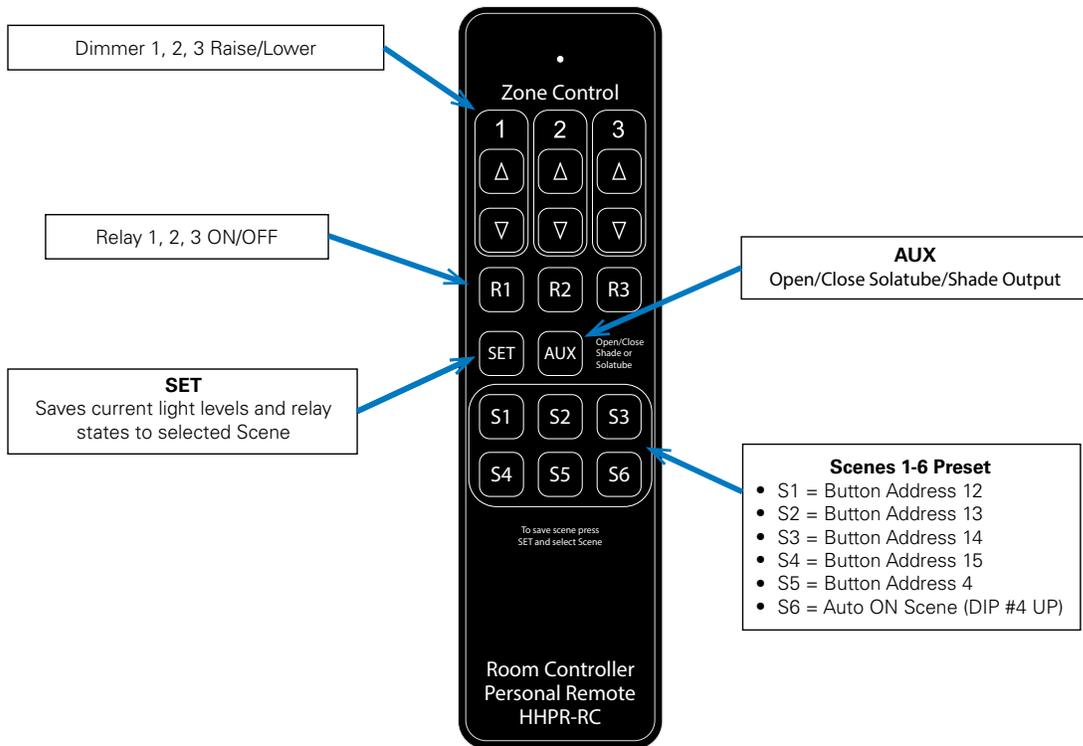


Figure 1. Personal Remote Button Functions

Programming Auto On

1. Using the Personal Remote (HHRP-RC) set the lighting levels the way you want them to turn ON Automatically upon Occupancy.
2. Press the SET button on the Personal Remote.
3. Press the Scene 6 (S6) button on the Personal Remote to save the scene in the Room Controller.

Ensure Dip Switch #3 & #4 are in the UP (ON) position shown in **Figure 2**.

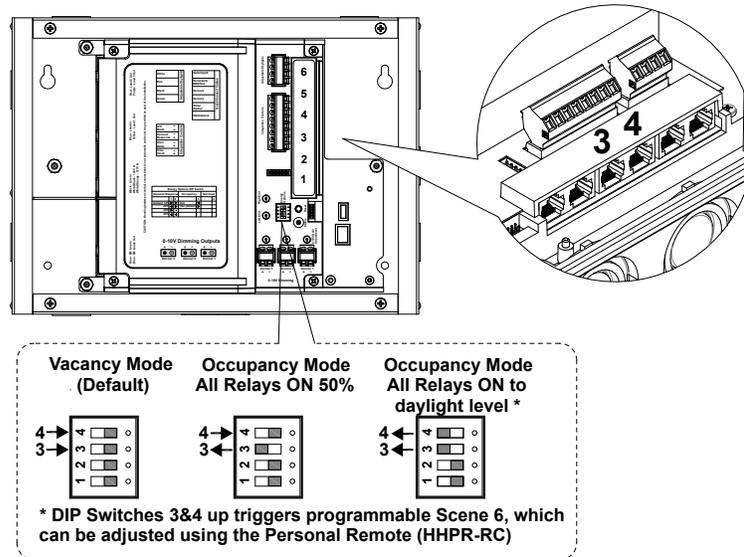
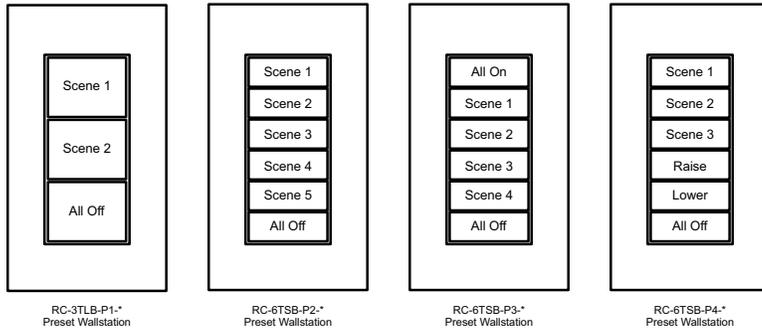


Figure 2. Room Controller Vacancy and Occupancy Selection

Note: Code requires that lighting be either turned ON Manually or can be Automatic ON. Title 24 provides additional PAF credits if the lighting is turned ON to no more than 50%. The Room Controller supports all of these functions. Out-of- the-box the Room Controller arrives in Vacancy Mode or Manual ON mode.

Ordering Scene Wallstations

Scene buttons have been pre-assembled into standard available wallstations for simplified ordering.



All relays ON

| | | | | |
|----------|---------------|---------|---------|---------|
| Scene 1: | All relays ON | D1=50% | D2=50% | D3=50% |
| Scene 2: | All relays ON | D1=100% | D2=100% | D3=100% |
| Scene 3: | All relays ON | D1=50% | D2=100% | D3=50% |
| Scene 4: | All relays ON | D1=30% | D2=0% | D3=25% |
| Scene 5: | All relays ON | D1=20% | D2=20% | D3=20% |
| Scene 6: | All relays ON | D1=100% | D2=100% | D3=100% |

All relays OFF

Ordering Custom Wallstations

The Room Controller Configured Text Wallstations can be ordered with both standard toggle buttons as well as the new programmable scene buttons. The following button addresses are programmable scene buttons and should be used on the Configured Text form.

| Scene | Button Address |
|-----------------------------|-------------------|
| Scene 1 (S1) | 12 |
| Scene 2 (S2) | 13 |
| Scene 3 (S3) | 14 |
| Scene 4 (S4) | 15 |
| Scene 5 (S5) – also AV Mode | 4 |
| Scene 6 (S6) | Auto ON DIP #4 UP |

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