Module Information:

**Name:** RBI Dynamic Presets v8

**Author:** Hope Roth

**Summary:** This module uses a .txt file stored on the processor to recall and update user modifiable lighting presets. If the associated preset file is not found on the processor, this module will create a new file using default values.

Inputs/Outputs/Parameters:

Inputs:

|  |  |
| --- | --- |
| load[xx\_lvl | The current level of lighting zone xx. This needs to be tied to true feedback of the zone in order to properly save presets. |
| all\_on\_press | A press and hold for the all on preset. When pressed, it will recall the all on preset. When held, it will save current values as the all on preset. |
| preset[xx]\_press | A press and hold for preset [xx]. When pressed, it will recall preset [xx]. When held, it will save current values as preset [xx]. |
| all\_off\_recall | Pulse to recall the all off preset. |
| all\_on\_recall | Pulse to recall the all on preset. |
| preset[xx]\_recall | Pulse to recall preset [xx]. |
| all\_on\_save | Pulse to save current values as the all on preset. |
| preset[xx]\_save | Pulse to save current values as preset [xx]. |
| load[xx]\_dali\_fb | Indicates that lighting zone [xx] is a DALI zone. When held high, this will cut the slew time for this zone to 0s. |
| load[xx]\_dimmable\_fb | Indicates that lighting zone [xx] is a DALI zone. When held high, this will set the slew time for this zone to the time indicated in the slew\_time parameter. |
| load[xx]\_harvested\_fb | Indicates that lighting zone [xx] is a daylight harvested zone. When held high, this zone will not change when all on and preset one are recalled. |
| [reload\_from\_file] | Pulse to reload preset levels from the .txt files stored on the processor. |

Outputs:

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| --- | --- |
| load[xx]\_lvl | The analog level used to set levels when presets are recalled. |
| all\_off\_fb | Indicates that the all off preset was the last preset to be recalled. This value will clear if any of the zones changes. |
| all\_on\_fb | Indicates that the all on preset was the last preset to be recalled. This value will clear if any of the non-harvested zones changes. |
| Preset[xx]\_fb | Indicates that preset [xx] was the last preset to be recalled. For preset one, this value will clear if any of the non-harvested zones changes. For all other presets, this value will clear if any of the non-harvested zones changes. |
| [all\_off\_true\_fb] | Indicates that all lvl\_in values are at 0d. |
| [any\_load\_on\_fb] | Indicates that one of more of the lvl\_in values is >= 1d. |
| preset\_saved\_fb | Indicates that a preset has been saved. This signal will remain high for the length of time indicated in the preset\_saved\_ps\_time parameter. |
| preset\_saved\_pulse | This signal will pulse if a preset has been saved. |
| preset\_recalling | Indicates that a preset is currently recalling. |
| [preset\_recalled\_or] | This signal will pulse if any preset is recalled. |

Parameters:

|  |  |
| --- | --- |
| room\_id | The ID of this presets module. This should be unique and is used to create the .txt files on the processor. |
| file\_path | The location on the processor where the preset files should be saved. |
| slew\_time | The length of time (in seconds) that it should take for all dimmable, non-DALI analogs to go to their preset level. |
| press\_and\_hold\_time | The length of time that a user must hold a preset press in order to save the current levels as that preset. |
| preset\_saved\_ps\_time | The length of time that preset\_saved\_fb should remain high after a preset is saved. |
| preset\_flash | If set to high, preset\_recalling will oscillate when a preset is recalling. |
| all\_on\_default | The default value for all zones when the all on preset .txt isn’t found on the processor. |
| preset[xx]\_default | The default value for all zones when the preset [xx] .txt isn’t found on the processor. |