

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:

load[xx]_lvl	The analog level used to set levels when presets are recalled.
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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 $\geq 1d$.
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.