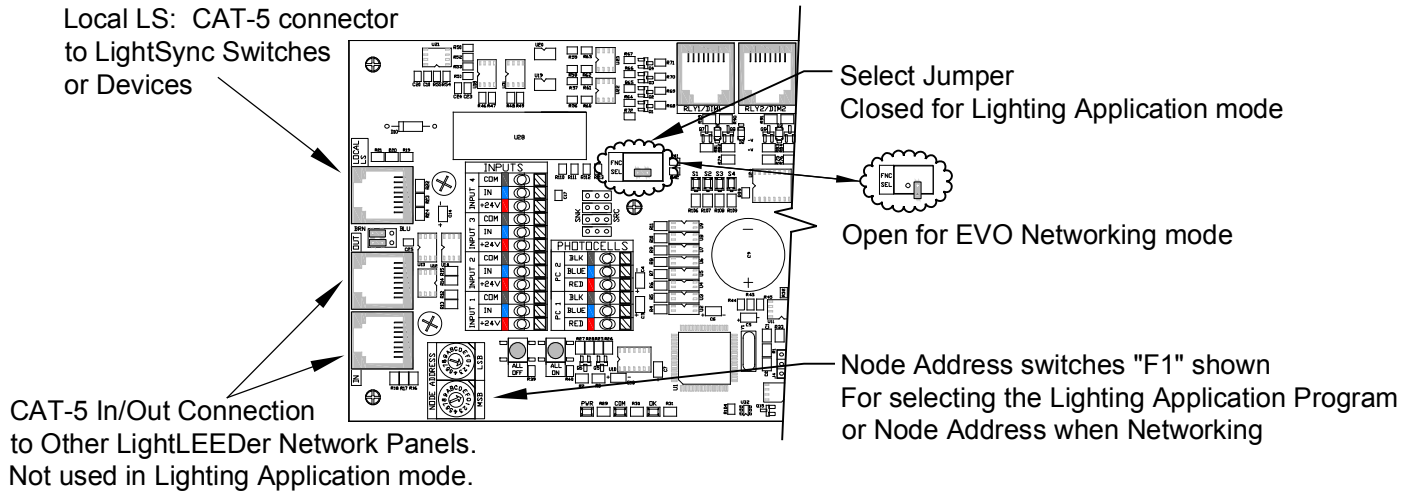
LightLEEDer EVO Lighting Application for Stand-Alone and Conversion to Network Operation Technical Bulletin

The LightLEEDer EVO panel can operate as a stand-alone controller or as a network panel. We ship the EVO as a stand alone panel set for Lighting Application mode "F1", and you can changed the EVO to any of the 16 internal programs using the Node Address switches. Below you will find set-up steps for both stand-alone and networking an EVO panel.

Stand Alone EVO Set-up

- First review the Lighting Application Control Mapping Matrix and the Lighting Application drawing PDF sheets and determine the Lighting Application that matches your needs.
- Do not connect any LightLEEDer network CAT-5 cables to the Network In/Out RJ-45 ports.
- The Select (SEL) jumper should be installed placing the EVO panel into the Stand Alone Lighting Application mode.
- The Node Address switches will set the panel for the Lighting Application program required.
- Verify all wiring connections and test operation. See Wiring Details WD0002.

The EVO panel will now operate using the Lighting Application selected from the internal memory.



Network EVO Set-up:

- Record the application code (F4) for each EVO before converting from stand alone
- to network operation.
- Connect the LightLEEDer network CAT-5 data cable from the LL-Network to each EVO and LightLEEDer panel in the system - see system Riser diagram.
- The Select (SEL) jumper should be removed or opened.
- Using the Node Address switches set the panel for the Node address required.
- Verify with the LightLEEDer Network Controller Keypad or LL Pro-Net software that the system acknowledges all of the EVO and LightLEEDer panels.
- Using the LightLEEDer Pro-Net software you can download to the network EVO with the same Lighting Application type used in stand alone mode. From the "Tools' pull down menu in the LL-Pro Net software use the "Import Node Settings" option and select the Lighting Application required for each panel.
- Check the operation of all local devices connected, and make adjustment to program if needed.

Note: The EVO panel will not retain the Lighting Application operation during the transition from stand alone to network operation and will require programming. You will find a copy of the 16 programs in the Lighting Applications folder in the "C" drive under the ILC LightLEEDer Net software, you can also make changes to the programs and save to the EVO panel or Export the node settings into the Lighting Applications folder.

EVO Lighting Application Control Mapping Matrix F0

EVO Lighting Application F0 is used for a EVO panel supporting 1 room 3 or 4-Zone (Cafeteria, Library, Lobby or Public space) with 3-4 R20D relay zones.
Photo sensor inputs for 1 or 2 daylight zones, motion sensor inputs for Occupancy, Vacancy or Occupancy On at 50% (Remote OSC8I option for independent zone control)
Remote digital CAT-5 LightSync 3-Scene station (100/50/30/Off and Raise/Lower buttons), one LSG3-MZD4 switch for control of all zones, and a 1-Zone MZD for each zone.

Node Address:	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync G3 Input Devices							
	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-G3 3 Scene	LS-G3 MZD4	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD1	LS-G3 1ZND	LS-
	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04	LS: 05/06	LS: 07	LS: 08	LS: 09	LS: 0A	LS: 0B	LS: 0C
F 0	Relay 1 Dim 01.1			Occ-on/off	Vacancy-off Inv-in 0%	Occ-On/Off On-50%	On/Off Togg	PB:1,2,3 -On 100/50/30% -U/D	PB:1 On/Off Ramp Up/Dn	PB:1 On/Off Ramp Up/Dn				On/Off Togg.	
MSB / LSB	Relay 2 Dim 01.2			Occ-on/off	Vacancy-off Inv-in 0%	Occ-On/Off On-50%	On/Off Togg	PB:1,2,3 -On 100/50/30% -U/D	PB:2-on/off Ramp Up/Dn		PB:1 On/Off Ramp Up/Dn			On/Off Togg.	
	Relay 3 Dim 01.3	Full Scale		Occ-on/off	Vacancy-off Inv-in 0%	Occ-On/Off On-50%/PC1	On/Off Togg	PB:1,2,3 -On 100/50/30% -U/D	PB:3-on/off Ramp Up/Dn			PB:1 On/Off Ramp Up/Dn		On/Off Togg.	
	Relay 4 Dim 01.4		Full scale	Occ-on/off	Vacancy-off Inv-in 0%	Occ-On/Off On-50%/PC2	On/Off Togg	PB:1,2,3 -On 100/50/30% -U/D	PB:4-on/off Ramp Up/Dn				PB:1-on/off Ramp Up/Dn	On/Off Togg.	
								PB:4-Off 0%	PB:5-Off R1-4						

Additional device addresses for a LSOS8I with 800mA power and individual zone control, additional Scene switch, and 1-buton All-On/Off for 3-Way operation.

Lobby, Cafeteria, Library, Open space Code Compliant Room Type - CA, Title-24: CD 0008, 0009 Ashrae 90.1: CD 0208 IECC: CD 0408

Node Address:	Output:	LSOS8I (800mA power - 24V Motion sensor)								Additional G3 Switches for 3-Way operation					
	Relay #	IN-1	IN-2	IN-3	IN-4	IN-5	IN-6	IN-7	IN-8	LS-G3 3 Scene	LS-	LS-G3 1ZND	LS-	LS-	LS-
	Dimmer #	LS: 13.1	LS: 13.2	LS: 13.3	LS: 13.4	LS: 13.5	LS: 13.6	LS: 13.7	LS: 13.8	LS: 14	LS:	LS: 1B	LS:	LS:	LS:
F 0	Relay 1 Dim 01.1	Vacancy-off Inv-in 0%	Occ-On/Off On-50%							PB:1,2,3 -On 100/50/30% -U/D		On/Off Togg.			
MSB / LSB	Relay 2 Dim 01.2			Vacancy-off Inv-in 0%	Occ-On/Off On-50%					PB:1,2,3 -On 100/50/30% -U/D		On/Off Togg.			
	Relay 3 Dim 01.3					Vacancy-off Inv-in 0%	Occ-On/Off On-50%/PC1			PB:1,2,3 -On 100/50/30% -U/D		On/Off Togg.			
	Relay 4 Dim 01.4							Vacancy-off Inv-in 0%	Occ-On/Off On-50%/PC2	PB:1,2,3 -On 100/50/30% -U/D		On/Off Togg.			
										PB:4-Off 0%					

This Application is intended for a 4-zone or 3-zone space, it supports 2 Scene switch stations LS:04 & 14, providing 3 scene levels and Off, with Ramp-Up/Down dimming contr
Photosensor input 1 controls zone-3 and PC-2 controls zone-4, a single PC sensor can be connected to both inputs to reduce sensor hardware if combined control is required.
Occupancy inputs at the EVO panel are set for #1=All ON/OFF, #2=Vacancy, #3=On at 50%/Off. Remote LS:13 supports a LS-OS8I Occupancy module that provides control for individual zones with 2 inputs each, one for Vacancy & one for On at 50%/Off, this will power multiple sensor per zone with up to 800mA total load across all 8 inputs.
A 4-Zone MZD station LS:05 for individual dimming control from one location, and 4 individual 1-Zone dimming stations for optional area control stations
These 4 stations LS:07, 08, 09, 0A could be used for an area requiring independent dimming control for a wall mounted monitor, or white board.
LS:0B & 1B support a single button non-dim All On/Off station from 2 locations. Panel Occ input #4 can also support several SPST momentary toggle switches for All On/Off

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EVO Lighting Application Control Mapping Matrix F1

EVO Lighting Application F1 is used for a EVO panel supporting 1 room (Open Office) with 4 to 3 R20D relay zones.
Photo sensor inputs for 2 daylight zones with individual PC's, motion sensor inputs for Occupancy, Vacancy control or Occupancy On at 50%, On-50% Off toggle SPST switc
Remote digital CAT-5 LightSync MZD or standard button switches for local room control w/3-ways setting, 1-each Individual Zone switch w/dimming

Node Address:	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync G3 Input Devices							
	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-G3 MZD4	LS-G3 MZD3	LS-G3 1ZND	LS-G3 2ZND	LS-	LS-	LS-	LS-
	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04/05	LS: 06/07	LS: 08	LS: 09	LS: 0A	LS: 0B	LS: 0C	LS: 0D
F 1	Relay 1 Dim 01.1			Occ-on/off	Vacancy-off	Occ-On/Off On-50%	On/Off Togg On-50%	PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn	On/Off Togg.	PB:1-on/off	PB:1-on/off Ramp Up/Dn			
MSB / LSB	Relay 2 Dim 01.2			Occ-on/off	Vacancy-off	Occ-On/Off On-50%	On/Off Togg On-50%	PB:2-on/off Ramp Up/Dn	PB:2-on/off Ramp Up/Dn	On/Off Togg.	PB:2-on/off		PB:2-on/off Ramp Up/Dn		
	Relay 3 Dim 01.3		Full scale	Occ-on/off	Vacancy-off	Occ-On/Off On-50%/PC2	On/Off Togg On-50%/PC2	PB:3-on/off Ramp Up/Dn	PB:3-on/off Ramp Up/Dn	On/Off Togg.	PB:1-on/off			PB:3-on/off Ramp Up/Dn	
	Relay 4 Dim 01.4	Full scale		Occ-on/off	Vacancy-off	Occ-On/Off On-50%/PC1	On/Off Togg On-50%/PC1	PB:4-on/off Ramp Up/Dn		On/Off Togg.	PB:2-on/off				PB:4-on/off Ramp Up/Dn
								PB:5-Off R1-4	PB:4-Off R1-3		PB:3-Off R1-4				

Additional G3 switch addresses for 3-Way operation

Open Office Code Compliant Room Type - CA, Title-24: CD 0012 Ashrae 90.1: CD 0212 IECC: CD 0411, 0412

Node Address:	Output:	Additional Inputs						Additional G3 Switches for 3-Way operation							
	Relay #	LS-	LS-	LS-	LS-	LS-	LS-	LS-G3 MZD4	LS-G3 MZD3	LS-G3 1ZND	LS-G3 2ZND	LS-	LS-	LS-	LS-
	Dimmer #	LS:	LS:	LS:	LS:	LS:	LS:	LS: 14/15	LS: 16/17	LS: 18	LS: 19	LS:	LS:	LS:	LS:
F 1	Relay 1 Dim 01.1							PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn	On/Off Togg.	PB:1-on/off				
MSB / LSB	Relay 2 Dim 01.2							PB:2-on/off Ramp Up/Dn	PB:2-on/off Ramp Up/Dn	On/Off Togg.	PB:2-on/off				
	Relay 3 Dim 01.3							PB:3-on/off Ramp Up/Dn	PB:3-on/off Ramp Up/Dn	On/Off Togg.	PB:1-on/off				
	Relay 4 Dim 01.4							PB:4-on/off Ramp Up/Dn		On/Off Togg.	PB:2-on/off				
								PB:5-Off R1-4	PB:4-Off R1-3		PB:3-Off R1-4				

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Node Address:	Output:	Additional Inputs						Additional G2 Switches							
	Relay #	LS-	LS-	LS-	LS-	LS-	LS-	LS-G2 MZD4	LS-G2 MZD3	LS-G2 1B	LS-G2 3B	LS-	LS-	LS-	LS-
	Dimmer #	LS:	LS:	LS:	LS:	LS:	LS:	LS: 24/25	LS: 26/27	LS: 28	LS: 29	LS: 2A	LS:2B	LS:	LS:
F 1	Relay 1 Dim 01.1							PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn	On/Off Togg.	PB:1-on/off				
MSB / LSB	Relay 2 Dim 01.2							PB:2-on/off Ramp Up/Dn	PB:2-on/off Ramp Up/Dn	On/Off Togg.	PB:2-on/off				
	Relay 3 Dim 01.3							PB:3-on/off Ramp Up/Dn	PB:3-on/off Ramp Up/Dn	On/Off Togg.	PB:1-on/off				
	Relay 4 Dim 01.4							PB:4-on/off Ramp Up/Dn		On/Off Togg.	PB:2-on/off				
											PB:3-Off R1-4				

EVO Lighting Application Control Mapping Matrix F2

EVO Lighting Application F2 is used for a EVO panel supporting 1 room (Open Office) with 4 to 3 R20D relay zones.
Photo sensor inputs for 2 daylight zones from One sensor, motion sensor inputs for Occupancy, Vacancy control or Occupancy On at 50%, On-50% Off toggle SPST switch
Remote digital CAT-5 LightSync MZD or standard button switches for local room control

Node Address:	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync G3 Input Devices							
	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-G3 MZD4	LS-G3 MZD3	LS-G3 1ZND	LS-G3 2ZND	LS-MZD1	LS-PSC	LS-	LS-
	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04/05	LS: 06/07	LS: 08	LS: 09	LS: 0B	LS: 0C	LS: 0D	LS: 0E
F 2	Relay 1 Dim 01.1			Occ-on/off	Vacancy-off	Occ-On/Off On-50%	On/Off Togg On-50%	PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn	On/Off Togg.	PB:1-on/off	PB:1-on/off Ramp Up/Dn			
MSB / LSB	Relay 2 Dim 01.2			Occ-on/off	Vacancy-off	Occ-On/Off On-50%	On/Off Togg On-50%	PB:2-on/off Ramp Up/Dn	PB:2-on/off Ramp Up/Dn	On/Off Togg.	PB:2-on/off		PB:2-on/off Ramp Up/Dn		
	Relay 3 Dim 01.3	-10% scale		Occ-on/off	Vacancy-off	Occ-On/Off On-50%/PC1	On/Off Togg On-50%/PC1	PB:3-on/off Ramp Up/Dn	PB:3-on/off Ramp Up/Dn	On/Off Togg.	PB:1-on/off			PB:3-on/off Ramp Up/Dn	
	Relay 4 Dim 01.4	Full scale	On/Off 110/137	Occ-on/off	Vacancy-off	Occ-On/Off On-50%/PC1	On/Off Togg On-50%/PC1	PB:4-on/off Ramp Up/Dn		On/Off Togg.	PB:2-on/off				PB:4-on/off Ramp Up/Dn
			25fc/75fc					PB:5-Off R1-4	PB:4-Off R1-3		PB:3-Off R1-4				

PC-2 is *Disabled* When Relay 2 is Off -*Or* - If PC1 > 0 fc to preventing a False On operation for R4 in Inboard/Outboard A/B control

A/B - On/Off control

Additional G3 switch addresses for 3-Way operation
Device 09 & 19 are set for traditional 2-Zone Inboard/Outboard 2-Level switching, with Photocell control of R4 on/off when R2 is Off -*Or* - If PC1 is > 0 fc
Open Office Code Compliant Room Type - CA, Title-24: CD 0012 Ashrae 90.1: CD 0212 IECC: CD 0411, 0412 & 0410

Node Address:	Output:	Additional Inputs						Additional G3 Switches for 3-Way operation							
	Relay #	LS-	LS-	LS-	LS-	LS-	LS-	LS-G3 MZD4	LS-G3 MZD3	LS-G3 1ZND	LS-G3 2ZND	LS-	LS-	LS-	LS-
	Dimmer #	LS:	LS:	LS:	LS:	LS:	LS:	LS: 14/15	LS: 16/17	LS: 18	LS: 19	LS:1B	LS:1C	LS:1D	LS:
F 2	Relay 1 Dim 01.1							PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn	On/Off Togg.	PB:1-on/off				
MSB / LSB	Relay 2 Dim 01.2							PB:2-on/off Ramp Up/Dn	PB:2-on/off Ramp Up/Dn	On/Off Togg.	PB:2-on/off				
	Relay 3 Dim 01.3							PB:3-on/off Ramp Up/Dn	PB:3-on/off Ramp Up/Dn	On/Off Togg.	PB:1-on/off				
	Relay 4 Dim 01.4							PB:4-on/off Ramp Up/Dn		On/Off Togg.	PB:2-on/off				

Legacy G2 Switch Programming

Node Address:	Output:	Additional Inputs						Additional G2 Switches							
	Relay #	LS-	LS-	LS-	LS-	LS-	LS-	LS-G2 MZD4	LS-G2 MZD3	LS-G2 1B	LS-G2 3B	LS-	LS-	LS-	LS-
	Dimmer #	LS:	LS:	LS:	LS:	LS:	LS:	LS: 24/25	LS: 26/27	LS: 28	LS: 29	LS: 2A	LS:2B	LS:	LS:
F 2	Relay 1 Dim 01.1							PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn	On/Off Togg.	PB:1-on/off				
MSB / LSB	Relay 2 Dim 01.2							PB:2-on/off Ramp Up/Dn	PB:2-on/off Ramp Up/Dn	On/Off Togg.	PB:2-on/off				
	Relay 3 Dim 01.3							PB:3-on/off Ramp Up/Dn	PB:3-on/off Ramp Up/Dn	On/Off Togg.	PB:1-on/off				
	Relay 4 Dim 01.4							PB:4-on/off Ramp Up/Dn		On/Off Togg.	PB:2-on/off				
											PB:3-Off R1-4				

EVO Lighting Application Control Mapping Matrix F3

EVO Lighting Application F3 is used for a EVO panel supporting 2 rooms with 2 or 1-R20D relays zones per room.
Photo sensor inputs for 1 daylight zone per room, motion sensor inputs for Occupancy On at 50% or Vacancy control,
Remote digital CAT-5 LightSync MZD or standard button switches for local room control

Node Address:	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices							
	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD2	LS-G3 MZD2	LS-	LS-
	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04	LS: 05	LS: 06	LS: 07	LS: 08/09	LS: 0A/0B	LS:	LS:
F 3	Relay 1 Dim 01.1			Occ-on/off On-50%	Vacancy-off			PB:1-on/off Ramp Up/Dn				PB:1-on/off Ramp Up/Dn			
MSB / LSB	Relay 2 Dim 01.2	Full scale		Occ-on/off On-50%/PC1	Vacancy-off				PB:1-on/off Ramp Up/Dn			PB:2-on/off Ramp Up/Dn			
	Relay 3 Dim 01.3					Occ-on/off On-50%	Vacancy-off			PB:1-on/off Ramp Up/Dn			PB:1-on/off Ramp Up/Dn		
	Relay 4 Dim 01.4		Full Scale			Occ-on/off On-50%/PC2	Vacancy-off				PB:1-on/off Ramp Up/Dn		PB:2-on/off Ramp Up/Dn		
												PB:3-Off R1,2	PB:3-Off R1,2		

Additional G3 switch addresses for 3-Way operation

Private Office Code Compliant Room Type - CA, Title-24: CD 0005, 0006, 0007 Ashrae 90.1: CD 0206 0207 IECC: CD 0406, 0407

Node Address:	Output:	Additional Inputs						Additional G3 Switches for 3-Way operation							
	Relay #	LS-	LS-	LS-	LS-	LS-	LS-	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD2	LS-G3 MZD2	LS-	LS-
	Dimmer #	LS:	LS:	LS:	LS:	LS:	LS:	LS: 14	LS: 15	LS: 16	LS: 17	LS: 18/19	LS: 1A/1B	LS:	LS:
F 3	Relay 1 Dim 01.1							PB:1-on/off Ramp Up/Dn				PB:1-on/off Ramp Up/Dn			
MSB / LSB	Relay 2 Dim 01.2								PB:1-on/off Ramp Up/Dn			PB:2-on/off Ramp Up/Dn			
	Relay 3 Dim 01.3									PB:1-on/off Ramp Up/Dn			PB:1-on/off Ramp Up/Dn		
	Relay 4 Dim 01.4										PB:1-on/off Ramp Up/Dn		PB:2-on/off Ramp Up/Dn		
								MZD1 & 1ZND operation can be used for G3 or G2 switches				PB:3-Off R1,2	PB:3-Off R1,2		

Legacy G2 Switch Programming

Node Address:	Output:	Additional Inputs						Additional G2 Switches							
	Relay #	LS-	LS-	LS-	LS-	LS-	LS-	LS-G2 MZD1	LS-G2 MZD1	LS-G2 MZD1	LS-G2 MZD1	LS-G2 MZD2	LS-G2 MZD2	LS-	LS-
	Dimmer #	LS:	LS:	LS:	LS:	LS:	LS:	LS: 24	LS: 25	LS: 26	LS: 27	LS: 28/29	LS: 2A/2B	LS:	LS:
F 3	Relay 1 Dim 01.1							PB:1-on/off Ramp Up/Dn				PB:1-on/off Ramp Up/Dn			
MSB / LSB	Relay 2 Dim 01.2								PB:1-on/off Ramp Up/Dn			PB:2-on/off Ramp Up/Dn			
	Relay 3 Dim 01.3									PB:1-on/off Ramp Up/Dn			PB:1-on/off Ramp Up/Dn		
	Relay 4 Dim 01.4										PB:1-on/off Ramp Up/Dn		PB:2-on/off Ramp Up/Dn		

Note: G2 type MZD1 station programming will work for both a G2 or G3 switch

EVO Lighting Application Control Mapping Matrix F4

EVO Lighting Application F3 is used for a EVO panel supporting 2 rooms with 2 or 1- R20D relays zones per room.
Photo sensor inputs for 2 daylight zone per room(one at -10% reduction), motion sensor inputs for Occupancy On at 50% or Vacancy control,
Remote digital CAT-5 LightSync MZD or standard button switches for local room control

Node Address:	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices							
	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD2	LS-G3 MZD2	LS-	LS-
	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04	LS: 05	LS: 06	LS: 07	LS: 08/09	LS: 0A/0B	LS:	LS:
F 4	Relay 1 Dim 01.1	-10% scale		Occ-on/off On-50%/PC1	Vacancy-off			PB:1-on/off Ramp Up/Dn				PB:1-on/off Ramp Up/Dn			
MSB / LSB	Relay 2 Dim 01.2	Full scale		Occ-on/off On-50%/PC1	Vacancy-off				PB:1-on/off Ramp Up/Dn			PB:2-on/off Ramp Up/Dn			
	Relay 3 Dim 01.3		-10% scale			Occ-on/off On-50%/PC2	Vacancy-off			PB:1-on/off Ramp Up/Dn			PB:1-on/off Ramp Up/Dn		
	Relay 4 Dim 01.4		Full scale			Occ-on/off On-50%/PC2	Vacancy-off				PB:1-on/off Ramp Up/Dn		PB:2-on/off Ramp Up/Dn		
												PB:3-Off R1,2	PB:3- Off R1,2		

Additional G3 switch addresses for 3-Way operation

Private Office Code Compliant Room Type - CA, Title-24: CD 0005, 0006, 0007 Ashrae 90.1: CD 0206 0207 IECC: CD 0406, 0407

Node Address:	Output:	Additional Inputs						Additional G3 Switches for 3-Way operation							
	Relay #	LS-	LS-	LS-	LS-	LS-	LS-	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD2	LS-G3 MZD2	LS-	LS-
	Dimmer #	LS:	LS:	LS:	LS:	LS:	LS:	LS: 14	LS: 15	LS: 16	LS: 17	LS: 18/19	LS: 1A/1B	LS:	LS:
F 4	Relay 1 Dim 01.1							PB:1-on/off Ramp Up/Dn				PB:1-on/off Ramp Up/Dn			
MSB / LSB	Relay 2 Dim 01.2								PB:1-on/off Ramp Up/Dn			PB:2-on/off Ramp Up/Dn			
	Relay 3 Dim 01.3									PB:1-on/off Ramp Up/Dn			PB:1-on/off Ramp Up/Dn		
	Relay 4 Dim 01.4										PB:1-on/off Ramp Up/Dn		PB:2-on/off Ramp Up/Dn		
								MZD1 & 1ZND operation can be used for G3 or G2 switches				PB:3-Off R1,2	PB:3-Off R1,2		

Legacy G2 Switch Programming

Node Address:	Output:	Additional Inputs						Additional G2 Switches							
	Relay #	LS-	LS-	LS-	LS-	LS-	LS-	LS-G2 MZD1	LS-G2 MZD1	LS-G2 MZD1	LS-G2 MZD1	LS-G2 MZD2	LS-G2 MZD2	LS-	LS-
	Dimmer #	LS:	LS:	LS:	LS:	LS:	LS:	LS: 24	LS: 25	LS: 26	LS: 27	LS: 28/29	LS: 2A/2B	LS:	LS:
F 4	Relay 1 Dim 01.1							PB:1-on/off Ramp Up/Dn				PB:1-on/off Ramp Up/Dn			
MSB / LSB	Relay 2 Dim 01.2								PB:1-on/off Ramp Up/Dn			PB:2-on/off Ramp Up/Dn			
	Relay 3 Dim 01.3									PB:1-on/off Ramp Up/Dn			PB:1-on/off Ramp Up/Dn		
	Relay 4 Dim 01.4										PB:1-on/off Ramp Up/Dn		PB:2-on/off Ramp Up/Dn		

EVO Lighting Application Control Mapping Matrix F5

EVO Lighting Application F5 is used for a EVO panel supporting 2 rooms, one with 3 or 2-R20D relay zones and one with 1-R20D relay zone.
Photo sensor inputs for 1 daylight zone per room, motion sensor inputs for Occupancy On at 50% or Vacancy control,
Remote digital CAT-5 LightSync MZD or standard button switches for local room control

Node Address:	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices				On/Off Push Button Non-Dim			
	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-G3 MZD3	LS-G3 MZD2	LS-G3 MZD1	LS-G3 MZD1	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND
	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04/05	LS: 06/07	LS: 08	LS: 09	LS: 0A	LS: 0B	LS: 0C	LS: 0D
F 5	Relay 1 Dim 01.1			Occ-on/off On-50%	Vacancy-off			PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn			On/Off Togg.	On/Off Togg.		
MSB / LSB	Relay 2 Dim 01.2			Occ-on/off On-50%	Vacancy-off			PB:2-on/off Ramp Up/Dn	PB:2-on/off Ramp Up/Dn			On/Off Togg.	On/Off Togg.		
	Relay 3 Dim 01.3	Full scale		Occ-on/off On-50%/PC1	Vacancy-off			PB:3 on/off Ramp Up/Dn			PB:1-on/off Ramp Up/Dn	On/Off Togg.		On/Off Togg.	
	Relay 4 Dim 01.4		Full Scale			Occ-on/off On-50%/PC2	Vacancy-off			PB:1-on/off Ramp Up/Dn					On/Off Togg.
								PB:4-Off R1-3	PB:3-Off R1,2	MZD1 & 1ZND operation can be used for G3 or G2 switches					

Additional G3 switch addresses for 3-Way operation

3 or 2 zone Private or Open Office Code Compliant Room Type - CA, Title-24: CD 0007, 0012 Ashrae 90.1: CD 0207 0212 IECC: CD 0407, 0412

Node Address:	Output:	Additional Inputs						Additional G3 Switches for 3-Way operation							
	Relay #	LS-	LS-	LS-	LS-	LS-	LS-	LS-G3 MZD3	LS-G3 MZD2	LS-G3 MZD1	LS-G3 MZD1	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND
	Dimmer #	LS:	LS:	LS:	LS:	LS:	LS:	LS: 14/15	LS: 16/17	LS: 18	LS: 19	LS: 1A	LS: 1B	LS: 1C	LS: 1D
F 5	Relay 1 Dim 01.1							PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn			On/Off Togg.	On/Off Togg.		
MSB / LSB	Relay 2 Dim 01.2							PB:2-on/off Ramp Up/Dn	PB:2-on/off Ramp Up/Dn			On/Off Togg.	On/Off Togg.		
	Relay 3 Dim 01.3							PB:3-on/off Ramp Up/Dn			PB:1-on/off Ramp Up/Dn	On/Off Togg.		On/Off Togg.	
	Relay 4 Dim 01.4									PB:1-on/off Ramp Up/Dn					On/Off Togg.
								PB:4-Off R1-3	PB:3-Off R1,2	MZD1 & 1ZND operation can be used for G3 or G2 switches					

Legacy G2 Switch Programming

Node Address:	Output:	Additional Inputs						Additional G2 Switches							
	Relay #	LS-	LS-	LS-	LS-	LS-	LS-	LS-G2 MZD3	LS-G2 MZD2	LS-G2 MZD1	LS-G2 MZD1	LS-	LS-	LS-	LS-
	Dimmer #	LS:	LS:	LS:	LS:	LS:	LS:	LS: 24/25	LS: 26/27	LS: 28	LS: 29	LS:	LS:	LS:	LS:
F 5	Relay 1 Dim 01.1							PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn						
MSB / LSB	Relay 2 Dim 01.2							PB:2-on/off Ramp Up/Dn	PB:2-on/off Ramp Up/Dn						
	Relay 3 Dim 01.3							PB:3-on/off Ramp Up/Dn			PB:1-on/off Ramp Up/Dn				
	Relay 4 Dim 01.4									PB:1-on/off Ramp Up/Dn					

EVO Lighting Application Control Mapping Matrix F6

EVO Lighting Application F5 is used for a EVO panel supporting 2 rooms, one with 3-R20D relay zones and one with 1-R20D relay zone.
Photo sensor inputs for 2 daylight zone in the 3-zone room and 1 daylight sensor in the 1-zone room, motion sensor inputs for Occupancy on at 50% or Vacancy control, Remote digital CAT-5 LightSync MZD or standard button switches for local room control

Node Address:	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices				On/Off Push Button Non-Dim			
	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-G3 MZD3	LS-G3 MZD2	LS-G3 MZD1	LS-G3 MZD1	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND
	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04/05	LS: 06/07	LS: 08	LS: 09	LS: 0A	LS: 0B	LS: 0C	LS: 0D
F 6	Relay 1 Dim 01.1			Occ-on/off On-50%	Vacancy-off			PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn			On/Off Togg.	On/Off Togg.		
MSB / LSB	Relay 2 Dim 01.2	-10% scale		Occ-on/off On-50%/PC1	Vacancy-off			PB:2-on/off Ramp Up/Dn	PB:2-on/off Ramp Up/Dn			On/Off Togg.	On/Off Togg.		
	Relay 3 Dim 01.3	Full scale		Occ-on/off On-50%/PC1	Vacancy-off			PB:3 on/off Ramp Up/Dn			PB:1-on/off Ramp Up/Dn	On/Off Togg.		On/Off Togg.	
	Relay 4 Dim 01.4		Full Scale			Occ-on/off On-50%/PC2	Vacancy-off			PB:1-on/off Ramp Up/Dn					On/Off Togg.
								PB:4-Off R1-3	PB:3-Off R1,2			MZD1 & 1ZND operation can be used for G3 or G2 switches			

Additional G3 switch addresses for 3-Way operation

3 or 2 zone Private or Open Office Code Compliant Room Type - CA, Title-24: CD 0007, 0012 Ashrae 90.1: CD 0207 0212 IECC: CD 0407, 0412

Node Address:	Output:	Additional Inputs						Additional G3 Switches for 3-Way operation							
	Relay #	LS-	LS-	LS-	LS-	LS-	LS-	LS-G3 MZD3	LS-G3 MZD2	LS-G3 MZD1	LS-G3 MZD1	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND
	Dimmer #	LS:	LS:	LS:	LS:	LS:	LS:	LS: 14/15	LS: 16/17	LS: 18	LS: 19	LS: 1A	LS: 1B	LS: 1C	LS: 1D
F 6	Relay 1 Dim 01.1							PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn			On/Off Tog.	On/Off Togg.		
MSB / LSB	Relay 2 Dim 01.2							PB:2-on/off Ramp Up/Dn	PB:2-on/off Ramp Up/Dn			On/Off Togg.	On/Off Togg.		
	Relay 3 Dim 01.3							PB:3-on/off Ramp Up/Dn			PB:1-on/off Ramp Up/Dn	On/Off Togg.		On/Off Togg.	
	Relay 4 Dim 01.4									PB:1-on/off Ramp Up/Dn					On/Off Togg.
								PB:4-Off R1-3	PB:3-Off R1,2			MZD1 & 1ZND operation can be used for G3 or G2 switches			

Legacy G2 Switch Programming

Node Address:	Output:	Additional Inputs						Additional G2 Switches							
	Relay #	LS-	LS-	LS-	LS-	LS-	LS-	LS-G2 MZD3	LS-G2 MZD2	LS-G2 MZD1	LS-G2 MZD1	LS-	LS-	LS-	LS-
	Dimmer #	LS:	LS:	LS:	LS:	LS:	LS:	LS: 24/25	LS: 26/27	LS: 28	LS: 29	LS:	LS:	LS:	LS:
F 6	Relay 1 Dim 01.1							PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn						
MSB / LSB	Relay 2 Dim 01.2							PB:2-on/off Ramp Up/Dn	PB:2-on/off Ramp Up/Dn						
	Relay 3 Dim 01.3							PB:3-on/off Ramp Up/Dn			PB:1-on/off Ramp Up/Dn				
	Relay 4 Dim 01.4									PB:1-on/off Ramp Up/Dn					

EVO Lighting Application Control Mapping Matrix F7

EVO Lighting Application F7 is used for a EVO panel supporting 4 rooms with 1 R20D relay zone each.
Photo sensor inputs for 2 daylight zones, motion sensor inputs for Occupancy On at 50%, auxiliary inputs for 2 additional daylight zone photo sensors controllers
Remote digital CAT-5 LightSync MZD or standard 1-button switches for local room control, 2-Scene switch with 100%, 50% & 0%-Off + Raise/Lower

Node Address:	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices				G3 Scene switch 100/50/0-Off/Raise/Lower			
	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD1	LS-G3 2S	LS-G3 2S	LS-G3 2S	LS-G3 2S
	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04	LS: 05	LS: 06	LS: 07	LS: 08	LS: 09	LS: 0A	LS: 0B
F 7	Relay 1 Dim 01.1	Full scale		Occ-on/off On-50%/PC1				PB:1-on/off Ramp Up/Dn				1,2-On, 3-Off Ramp Up/Dn			
MSB / LSB	Relay 2 Dim 01.2		Full scale		Occ-on/off On-50%/PC2				PB:1-on/off Ramp Up/Dn				1,2-On, 3-Off Ramp Up/Dn		
	Relay 3 Dim 01.3					Occ-on/off On-50%/PC3				PB:1-on/off Ramp Up/Dn				1,2-On, 3-Off Ramp Up/Dn	
	Relay 4 Dim 01.4						Occ-on/off On-50%/PC4				PB:1-on/off Ramp Up/Dn				1,2-On, 3-Off Ramp Up/Dn

MZD1 & 1ZND operation can be used for G3 or G2 switches G3 Scene operation can be used for a G2-5 Button

Additional G3 switch addresses for 3-Way operation
1-Zone Private/Public Restroom Code Compliant Type - CA, Title-24: CD 0001, 0002, Ashrae 90.1: CD 0201, 0202 IECC: CD 0401, 0402
1-Zone Private Office Code Compliant Type - CA, Title-24: CD 0005, 0006, Ashrae 90.1: CD 0205, 0206 IECC: CD 0405, 0406

Node Address:	Output:	Remote Photo Sensors Inputs		Momentary 3-Wire Toggle Switch inputs				Additional G3 Switches for 3-Way operation				G3 Scene switch 100/50/0-Off/Raise/Lower			
	Relay #	LS- PSC-3	LS- PSC-4	LS-IM				LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD1	LS-G3 2S	LS-G3 2S	LS-G3 2S	LS-G3 2S
	Dimmer #	LS: 11	LS: 12	LS: 13.1	LS:13.2	LS: 13.3	LS: 13.4	LS: 14	LS: 15	LS: 16	LS: 17	LS: 18	LS: 19	LS: 1A	LS: 1B
F 7	Relay 1 Dim 01.1			Mom On/Off				PB:1-on/off Ramp Up/Dn				1,2-On, 3-Off Ramp Up/Dn			
MSB / LSB	Relay 2 Dim 01.2				Mom On/Off				PB:1-on/off Ramp Up/Dn				1,2-On, 3-Off Ramp Up/Dn		
	Relay 3 Dim 01.3	Full scale				Mom On/Off				PB:1-on/off Ramp Up/Dn				1,2-On, 3-Off Ramp Up/Dn	
	Relay 4 Dim 01.4		Full Scale				Mom On/Off				PB:1-on/off Ramp Up/Dn				1,2-On, 3-Off Ramp Up/Dn

MZD1 & 1ZND operation can be used for G3 or G2 switches G3 Scene operation can be used for a G2-5 Button

Node Address:	Output:	Additional Inputs		Momentary 2-Wire Push Button/Toggle Switch inputs											
	Relay #	LS-	LS-	LS-IM				LS-	LS-	LS-	LS-	LS-	LS-	LS-	LS-
	Dimmer #	LS:	LS:	LS: 23.1	LS:23.2	LS: 23.3	LS: 23.4	LS:	LS:	LS:	LS:	LS:	LS:	LS:	LS:
F 7	Relay 1 Dim 01.1			PB Toggle											
MSB / LSB	Relay 2 Dim 01.2				PB Toggle										
	Relay 3 Dim 01.3					PB Toggle									
	Relay 4 Dim 01.4						PB Toggle								

EVO Lighting Application Control Mapping Matrix F8

EVO Lighting Application F8 is used for a EVO panel supporting 4 room with 1 R20D relay zone each.
Photo sensor inputs for 2 daylight zones, motion sensor inputs for Vacancy control, Auxiliary inputs for 2 additional daylight zone photo sensor controllers
Remote digital CAT-5 LightSync MZD or standard button switches for local room control

Node Address:	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices				G3 Scene switch 100/50/0-Off/Raise/Lower			
	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-MZD1	LS-MZD1	LS-MZD1	LS-MZD1	LS-G3 2S	LS-G3 2S	LS-G3 2S	LS-G3 2S
	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04	LS: 05	LS: 06	LS: 07	LS: 08	LS: 09	LS: 0A	LS: 0B
F 8	Relay 1 Dim 01.1	Full scale		Vacancy-off Inv-in 0%				PB:1-on/off Ramp Up/Dn				1,2-On, 3-Off Ramp Up/Dn			
MSB / LSB	Relay 2 Dim 01.2		Full scale		Vacancy-off Inv-in 0%				PB:1-on/off Ramp Up/Dn				1,2-On, 3-Off Ramp Up/Dn		
	Relay 3 Dim 01.3					Vacancy-off Inv-in 0%				PB:1-on/off Ramp Up/Dn				1,2-On, 3-Off Ramp Up/Dn	
	Relay 4 Dim 01.4						Vacancy-off Inv-in 0%				PB:1-on/off Ramp Up/Dn				1,2-On, 3-Off Ramp Up/Dn

MZD1 & 1ZND operation can be used for G3 or G2 switches G3 Scene operation can be used for a G2-5 Button

Additional G3 switch addresses for 3-Way operation
1-Zone Private/Public Restroom Code Compliant Type - CA, Title-24: CD 0001, 0002, Ashrae 90.1: CD 0201, 0202 IECC: CD 0401, 0402
1-Zone Private Office Code Compliant Type - CA, Title-24: CD 0005, 0006, Ashrae 90.1: CD 0205, 0206 IECC: CD 0405, 0406

Node Address:	Output:	Remote Photo Sensors Inputs		Momentary 2-Wire Push Button/Toggle Switch inputs				Additional G3 Switches for 3-Way operation				G3 Scene switch 100/50/0-Off/Raise/Lower			
	Relay #	LS- PSC-3	LS- PSC-4	LS-IM				LS-MZD1	LS-MZD1	LS-MZD1	LS-MZD1	LS-G3 2S	LS-G3 2S	LS-G3 2S	LS-G3 2S
	Dimmer #	LS: 11	LS: 12	LS: 13.1	LS:13.2	LS: 13.3	LS: 13.4	LS: 14	LS: 15	LS: 16	LS: 17	LS: 18	LS: 19	LS: 1A	LS: 1B
F 8	Relay 1 Dim 01.1			Mom On/Off				PB:1-on/off Ramp Up/Dn				1,2-On, 3-Off Ramp Up/Dn			
MSB / LSB	Relay 2 Dim 01.2				Mom On/Off				PB:1-on/off Ramp Up/Dn				1,2-On, 3-Off Ramp Up/Dn		
	Relay 3 Dim 01.3	Full scale				Mom On/Off				PB:1-on/off Ramp Up/Dn				1,2-On, 3-Off Ramp Up/Dn	
	Relay 4 Dim 01.4		Full Scale				Mom On/Off				PB:1-on/off Ramp Up/Dn				1,2-On, 3-Off Ramp Up/Dn

MZD1 & 1ZND operation can be used for G3 or G2 switches G3 Scene operation can be used for a G2-5 Button

Node Address:	Output:	Additional Inputs		Momentary 2-Wire Toggle Switch inputs											
	Relay #	LS-	LS-	LS-IM				LS-	LS-	LS-	LS-	LS-	LS-	LS-	LS-
	Dimmer #	LS:	LS:	LS: 23.1	LS:23.2	LS: 23.3	LS: 23.4	LS:	LS:	LS:	LS:	LS:	LS:	LS:	LS:
F 8	Relay 1 Dim 01.1			PB Toggle											
MSB / LSB	Relay 2 Dim 01.2				BP Toggle										
	Relay 3 Dim 01.3					BP Toggle									
	Relay 4 Dim 01.4						BP Toggle								

EVO Lighting Application Control Mapping Matrix F9 (Corridor/Stairwell)

EVO Lighting Application F9 is used for a EVO panel supporting 1 Corridor or Stairwell with 1 or 2 R20D (R1,2) relay power circuits as 1-zone.
Photo sensor inputs for 1 daylight zone(PC-1), Motion sensor inputs for Occupancy On-High/Off or Dim level control with Building Open/Closed change of sequence
Remote digital CAT-5 LightSync control On-Off(Open)/Timed On-2Hr (Closed) Keyswitch or 1-Button stations, and Optional hardwired key switch input (Osc 03.4 *)

Node	Output:	Photosensor	EVO Inputs - 4-input, 24VDC Motion Sensor 200mA				Relay 1 & 2 Remote LightSync Input Devices (9 possible)								
Address:	Relay #	PC-1	IN-1	IN-2	IN-3	IN-4	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND
	Dimmer #	LS: 01	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4 *	LS: 04	LS: 05	LS: 06	LS: 07	LS: 08	LS: 09	LS: 0A	LS: 0B	LS: 0C
F 9	Relay 1		A = PB-On	Disable	A = MNT-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On
	Dim 01.1		On 100/Off 50%		On 100/Off 50%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%
MSB / LSB	"		Disable	B=MNT-On/Off	B = MNT-On	B= Timed ON	B= Timed ON	B= Timed ON	B= Timed ON	B= Timed ON	B= Timed ON	B= Timed ON	B= Timed ON	B= Timed ON	B= Timed ON
R1 & 2	"			On 100%	On 100/Off 50%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%
	Relay 2		A = PB-On	Disable	A = MNT-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On
	Dim 01.2	Full Scale	On 100/Off 50%		On 100/Off 50%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%
	"		Disable	B=MNT-On/Off	B = MNT-On	B= Timed ON	B= Timed ON	B= Timed ON	B=Timed ON	B=Timed ON	B=Timed ON	B=Timed ON	B=Timed ON	B=Timed ON	B=Timed ON
	"	"		On 100%	On 100/Off 50%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%

Alternate/Adder (F9) start at 13 and use a LSOS8I module for 800mA power - supporting 1 Corridor or Stairwell using Relay 3 & 4 for 2 relay power circuits as 1-zone.
Photo sensor inputs for 1 daylight zone (PC-2), motion sensor inputs for Occupancy on/off control or Occupancy On + dimming ON (High/Low)
Remote digital CAT-5 LightSync (14-1C 9-addresses) for local control On-Off/Timed On-2Hr. (Closed) Keyswitch or 1-Button stations, and Optional key switch (Osc 13.4

Node	Output:	Photosensor	LightSync: 13 = LSOS8I - 8-input, 24V Motion Sensor 800mA				Relay 3 & 4 Remote LightSync Input Devices (9 possible)								
Address:	Relay #	PC-2	IN-1	IN-2	IN-3	IN-4	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND	LS-G3 1ZND
	Dimmer #	LS: 02	LS: 13.1	LS: 13.2	LS: 13.3	LS: 13.4*	LS: 14	LS: 15	LS: 16	LS: 17	LS: 18	LS: 19	LS: 1A	LS: 1B	LS: 1C
F 9	Relay 3		A = PB-On	Disable	A = MNT-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On
	Dim 01.3		On 100/Off 50%		On 100/Off 50%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%
MSB / LSB	"		Disable	B=MNT-On/Off	B = MNT-On	B= Timed ON	B= Timed ON	B= Timed ON	B= Timed ON	B= Timed ON	B= Timed ON	B= Timed ON	B= Timed ON	B= Timed ON	B= Timed ON
R3 & 4	"			On 100%	On 100/Off 50%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%
	Relay 4		A = PB-On	Disable	A = MNT-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On	A = PB-On
	Dim 01.4	Full Scale	On 100/Off 50%		On 100/Off 50%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%
	"		Disable	B=MNT-On/Off	B = MNT-On	B= Timed ON	B= Timed ON	B= Timed ON	B= Timed ON	B= Timed ON	B= Timed ON	B= Timed ON	B= Timed ON	B= Timed ON	B= Timed ON
	"	"		On 100%	On 100/Off 50%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%	On 100%

Open/Closer - Time setting		
Days	Open	Close
Sunday	6:00 AM	10:00 PM
Monday	6:00 AM	10:00 PM
Thursday	6:00 AM	10:00 PM
Wednesday	6:00 AM	10:00 PM
Thursday	6:00 AM	10:00 PM
Friday	6:00 AM	10:00 PM
Saturday	6:00 AM	10:00 PM

This panel requires a Occupancy sensor to be wired to Inputs 1&2 for Day/Night operation
The 2 Inputs become Enabled/Disabled by the Open/Close timer 7 Days a week
Input 1 operates the load 1&2 for Occupied ON at 100%, and Unoccupied to 50%
Input 2 operates the load 1&2 for Occupied ON at 100%, and Unoccupied Off

Input 3 is used for a Maintained Key True-*Override* switch and will Force the relays 1&2 ON at 100%
This input is a "Conditional Relay ON" and disables the panels other inputs for the 2 loads until released

Input 4 and the 9 LightSync digital switch addresses are used for a Momentary key, PB or Toggle switch's as a local On station
There type "A" operation is On at 100% during the Open or Day cycle as a momentary action
There type "B" operation is On at 100% for 2 Hours (120Min) during the Closed or Night cycle

These operations are the same for Relay/Dimmer outputs 3&4 using a remote LSOS8I at 13 and 9 LS Digital switches at 14-1C

This EVO Panel *must have* an Internal Clock (EVO-TC) for timer operation or be networked
If No clock is present the panel will remain at 12:00 Midnight in the Closed "B" operation

Refer to Code Drawings CD0003, 0004 (Title 24) CD0203,0204 (ASHRAE) CD0403, 0404(IECC)

EVO Lighting Application Control Mapping Matrix FA

EVO Lighting Application FA is used for a EVO panel supporting 1 Classroom with 4-R20D relay zones. (a ,b, bc, c zones) - Daylighting at back of room in zone 4
Photo sensor inputs for 1 daylight zone (b/bc), motion sensor inputs for Occupancy, Vacancy or Occupancy on at 50%
Remote digital CAT-5 LightSync 2-Scene 100/50% scene, Off, Raise/Lower. One MZD-3 and Three independent 1-zone MZD type stations for "a", "b", "c"

Node Address:	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices							
	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-G3-2 Scene	LS-G3 MZD3	LS-G3 MZD1	LS-G3 MZD1	LS-	LS-G3 MZD1	LS-G3 1ZND	LS-
	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04	LS: 05/06	LS: 07	LS: 08	LS:	LS: 0A	LS: 0B	LS:
F A	Relay 1 (a) Dim 01.1			Occ-on/off	Vacancy-off	Occ-on/off On-50%	On/Off Togg	P:1,2-On 100/50%/ U/D	PB:1-on/off Ramp Up/Dn	PB1-On/Off Ramp Up/Dn				On/Off Togg.	
MSB / LSB	Relay 2 (b) Dim 01.2	Full Scale (b)		Occ-on/off	Vacancy-off	Occ-on/off On-50%	On/Off Togg	P:1,2-On 100/50%/ U/D	PB:2-on/off Ramp Up/Dn		PB1-On/Off Ramp Up/Dn			On/Off Togg.	
	Relay 3 (bc) Dim 01.3	Full Scale (b)		Occ-on/off	Vacancy-off	Occ-on/off On-50%	On/Off Togg	P:1,2-On 100/50%/ U/D	PB:3-on/off Ramp Up/Dn				PB1-On/Off Ramp Up/Dn	On/Off Togg.	
	Relay 4 (c) Dim 01.4			Occ-on/off	Vacancy-off	Occ-on/off On-50%/PC1	On/Off Togg	P:1,2-On 100/50%/ U/D	PB:3-on/off Ramp Up/Dn				PB1-On/Off Ramp Up/Dn	On/Off Togg.	
								P:3 Dim to 0%	PB:4 Off R1-4						

Additional G3 switch addresses for 3-Way operation
Standard Momentary SPST Toggle Switch can be connected at OSC input 4 (LS:03.4), or up to 2 LS-G3 1Z ND All-On/Off stations at LS:0B & 1B

Node Address:	Output:	Additional Inputs						Additional G3 Switches for 3-Way operation							
	Relay #	LS-	LS-	LS-	LS-	LS-	LS-	LS-G3-2 Scene	LS-G3 MZD3	LS-	LS-	LS-	LS-	LS-G3 1ZND	LS-
	Dimmer #	LS:	LS:	LS:	LS:	LS:	LS:	LS: 14	LS: 15/16	LS:	LS:	LS:	LS:	LS: 1B	LS:
F A	Relay 1 Dim 01.1							P:1,2-On 100/50%/ U/D	PB:1-on/off Ramp Up/Dn					On/Off Togg.	
MSB / LSB	Relay 2 Dim 01.2							P:1,2-On 100/50%/ U/D	PB:2-on/off Ramp Up/Dn					On/Off Togg.	
	Relay 3 Dim 01.3							P:1,2-On 100/50%/ U/D	PB:3-on/off Ramp Up/Dn					On/Off Togg.	
	Relay 4 Dim 01.4							P:1,2-On 100/50%/ U/D	PB:3-on/off Ramp Up/Dn					On/Off Togg.	
								P:3 Dim to 0%	PB:4 Off R1-4						

LSG3 Scene switches use Preset 1,2,3 for Scene 1,2,and Off. This is intended for Standard Stand-Alone operation.
If Networked the Presets can be network triggered from the Network Controller and changing Presets # for individual control may be required.

EVO Lighting Application Control Mapping Matrix FB

EVO Lighting Application FB is used for a EVO panel supporting 1 Classroom with 4-R20D relay zones. (a ,b, bc, c zones) - Daylighting at back of room in zone 4
Photo sensor inputs for 1 daylight zone (b/bc), motion sensor inputs for Occupancy, Vacancy or Occupancy on at 50%
Remote digital CAT-5 LightSync 3-Scene 100/50%/AV scene, Off, Raise/Lower. One MZD-3 and Three independent 1-zone MZD type stations for "a", "b", "c"

Node Address:	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices							
	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-G3-3 Scene	LS-G3 MZD3	LS-G3 MZD1	LS-G3 MZD1	LS-	LS-G3 MZD1	LS-G3 1ZND	LS-
F B	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04	LS: 05/06	LS: 07	LS: 08	LS:	LS: 0A	LS: 0B	LS:
MSB / LSB	Relay 1 (a) Dim 01.1			Occ-on/off	Vacancy-off	Occ-on/off On-50%	On/Off Togg	P:1,2,3 -On 100/50/30% U/D	PB:1-on/off Ramp Up/Dn	PB1-On/Off Ramp Up/Dn				On/Off Togg.	
	Relay 2 (b) Dim 01.2	Full Scale (b)		Occ-on/off	Vacancy-off	Occ-on/off On-50%	On/Off Togg	P:1,2,3 -On 100/50/30% U/D	PB:2-on/off Ramp Up/Dn		PB1-On/Off Ramp Up/Dn			On/Off Togg.	
	Relay 3 (bc) Dim 01.3	Full Scale (b)		Occ-on/off	Vacancy-off	Occ-on/off On-50%	On/Off Togg	P:1,2,3 -On 100/50/0% U/D	PB:3-on/off Ramp Up/Dn				PB1-On/Off Ramp Up/Dn	On/Off Togg.	
	Relay 4 (c) Dim 01.4			Occ-on/off	Vacancy-off	Occ-on/off On-50%/PC1	On/Off Togg	P:1,2,3 -On 100/50/0% U/D	PB:3-on/off Ramp Up/Dn				PB1-On/Off Ramp Up/Dn	On/Off Togg.	
								P:4 Dim to 0%	PB:4 Off R1-4						

Additional G3 switch addresses for 3-Way operation
Standard Momentary SPST Toggle Switch can be connected at OSC input 4 (LS:03.4), or up to Two LS-G3-1Z-ND All-On/Off stations at LS:0B & 1B

Node Address:	Output:	Additional Inputs						Additional G3 Switches for 3-Way operation							
	Relay #	LS-	LS-	LS-	LS-	LS-	LS-	LS-G3-2 Scene	LS-G3 MZD3	LS-	LS-	LS-	LS-	LS-G3 1ZND	LS-
F B	Dimmer #	LS:	LS:	LS:	LS:	LS:	LS:	LS: 14	LS: 15/16	LS:	LS:	LS:	LS:	LS: 1B	LS:
MSB / LSB	Relay 1 Dim 01.1							P:1,2-On 100/50/30% U/D	PB:1-on/off Ramp Up/Dn					On/Off Togg.	
	Relay 2 Dim 01.2							P:1,2-On 100/50/30% U/D	PB:2-on/off Ramp Up/Dn					On/Off Togg.	
	Relay 3 Dim 01.3							P:1,2-On 100/50/0% U/D	PB:3-on/off Ramp Up/Dn					On/Off Togg.	
	Relay 4 Dim 01.4							P:1,2-On 100/50/0% U/D	PB:3-on/off Ramp Up/Dn					On/Off Togg.	
								P:4 Dim to 0%	PB:4 Off R1-4						

Application FB matches FA with the add of a 3rd Scene button for AV mode
AV Scene will set the first two outputs for 30% and the last two outputs (cb & c) to 0% for the White-Board area.

LSG3 Scene switches use Preset 1,2,,43 for Scene 1,2,3 and Off. This is intended for Standard Stand-Alone operation.
If Networked the Presets can be network triggered from the Network Controller and changing Presets # for independent control may be required.

EVO Lighting Application Control Mapping Matrix FC

EVO Lighting Application FC is used for a EVO panel supporting a Conference room with 4 R20D relay zones.
Photo sensor inputs for 1 daylight zones, Motion sensor inputs for Occupancy or Vacancy control, or Occupancy on at 50%
Remote digital CAT-5 LightSync 4-Scene + Off station, MZD3 station, MZD1 for display wall lighting, AV Interface with Presets and optional 1-button non-dim All-On/Off

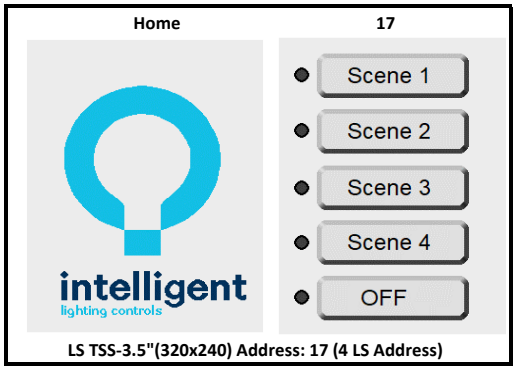
Node Address:	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				LightSync Input Devices		A/V 232	1-Zone stations			All/On/Off	
	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-G3-4 Scene	LS-G3-MZD3	LS-SIICM AV	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD1	LS-G3 1ZND	
	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04	LS: 05/06	LS: 07	LS:08	LS:09	LS:0A	LS: 0B	
F C	Relay 1			Occ-on/off	Vacancy-off	Occ-on/off	On/Off Togg	P:1,2,3,4-On	PB:1-on/off	P:1,2,3,4-On	PB:1 On/Off			On/Off Togg.	
	Dim 01.1		-10% scale			On-50%		P:1,2,3,4,5 U/D	Ramp Up/Dm	P:1,2,3,4,5	Ramp Up/Dm				
MSB / LSB	Relay 2			Occ-on/off	Vacancy-off	Occ-on/off	On/Off Togg	P:1,2,3,4-On	PB:2-on/off	P:1,2,3,4-On		PB:1 On/Off		On/Off Togg.	
	Dim 01.2					On-50%		P:1,2,3,4,5 U/D	Ramp Up/Dm	P:1,2,3,4,5		Ramp Up/Dm			
	Relay 3			Occ-on/off	Vacancy-off	Occ-on/off	On/Off Togg	P:1,2,3,4-On	PB:2-on/off	P:1,2,3,4-On		PB:1 On/Off		On/Off Togg.	
	Dim 01.3	Full Scale				50%/PC1		P:1,2,3,4,5 U/D	Ramp Up/Dm	P:1,2,3,4,5		Ramp Up/Dm			
	Relay 4			Occ-on/off	Vacancy-off	Occ-on/off	On/Off Togg	P:1,2,3,4-On	PB:3-on/off	P:1,2,3,4-On			PB:1 On/Off	On/Off Togg.	
	Dim 01.4					On-50%		P:1,2,3,4,5 U/D	Ramp Up/Dm	P:1,2,3,4,5			Ramp Up/Dm		
								P:5 Dim to 0% Off	PB:4 Off R1-4	P:5 Dim to 0% Off					

The 4-Scene station at address 04 or AV RS-232 Interface at 07 will control P1:100%, P2:60%, P3:AV (Dim-1,2,3 at 40% and Dim-4 at 0%), P4: 20% P5: 0% - for all-Off
Address 14 is also programmed for Preset control allowing a 2nd G3-4 Scene station
Address 0B & 16 are set for All On/Off, 17 is set for Individual on/off and preset control for additional LS stations or a 3.4" Touch screen station

Node Address:	Output:							LightSync Input Devices		Optional 3.5" Touch Screen Station					
	Relay #							LS-G3-4 Scene	LS-G3 1ZND	LS-G3-5 Scene					
	Dimmer #							LS: 14	LS: 16	LS: 17					
F C	Relay 1							P:1,2,3,4-On	On/Off Togg.	P:1,2,3,4-On					
	Dim 01.1							P:1,2,3,4,5 U/D		P:1,2,3,4,5					
MSB / LSB	Relay 2							P:1,2,3,4-On	On/Off Togg.	P:1,2,3,4-On					
	Dim 01.2							P:1,2,3,4,5 U/D		P:1,2,3,4,5					
	Relay 3							P:1,2,3,4-On	On/Off Togg.	P:1,2,3,4-On					
	Dim 01.3							P:1,2,3,4,5 U/D		P:1,2,3,4,5					
	Relay 4							P:1,2,3,4-On	On/Off Togg.	P:1,2,3,4-On					
	Dim 01.4							P:1,2,3,4,5 U/D		P:1,2,3,4,5					
								P:5 Dim to 0% Off		P:5 Dim to 0% Off					

(No Raise/Lower provided for Touch screen station)

LSG3 Scene switches use Preset 1,2,3,4,5 for Scene 1,2,3,4 and 5 as Off.
This is intended for Standard Stand-Alone operation.
If Networked the Presets can be network triggered from the Network Controller and changing Presets # for independent control may be required.



LS TSS-3.5"(320x240) Address: 17 (4 LS Address)

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EVO Lighting Application Control Mapping Matrix FD

EVO Lighting Application FD is used for a EVO panel supporting a Conference room with 4 R20D relay zones.
Motion sensor inputs for Occupancy or Vacancy control, or Occupancy on at 50%
Remote digital CAT-5 LightSync 4-Scene + Off station, MZD3 station, MZD1 for display wall lighting, AV Interface with Presets and optional 1-button non-dim All-

Node Address:	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				LightSync Input Devices		A/V 232	1-Zone stations			All/On/Off	
	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-G3-4 Scene	LS-G3-MZD3	LS-SIICM AV	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD1	LS-G3 1ZND	
F D	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04	LS: 05/06	LS: 07	LS:08	LS:09	LS:0A	LS: 0B	
MSB / LSB	Relay 1 Dim 01.1			Occ-on/off	Vacancy-off	Occ-on/off On-50%	On/Off Togg	P:1,2,3,4-On P:1,2,3,4,5 U/D	PB:1-on/off Ramp Up/Dm	P:1,2,3,4-On P:1,2,3,4,5	PB:1 On/Off Ramp Up/Dm			On/Off Togg.	
	Relay 2 Dim 01.2			Occ-on/off	Vacancy-off	Occ-on/off On-50%	On/Off Togg	P:1,2,3,4-On P:1,2,3,4,5 U/D	PB:2-on/off Ramp Up/Dm	P:1,2,3,4-On P:1,2,3,4,5		PB:1 On/Off Ramp Up/Dm		On/Off Togg.	
	Relay 3 Dim 01.3			Occ-on/off	Vacancy-off	Occ-on/off 50%/PC1	On/Off Togg	P:1,2,3,4-On P:1,2,3,4,5 U/D	PB:2-on/off Ramp Up/Dm	P:1,2,3,4-On P:1,2,3,4,5		PB:1 On/Off Ramp Up/Dm		On/Off Togg.	
	Relay 4 Dim 01.4			Occ-on/off	Vacancy-off	Occ-on/off On-50%	On/Off Togg	P:1,2,3,4-On P:1,2,3,4,5 U/D	PB:3-on/off Ramp Up/Dm	P:1,2,3,4-On P:1,2,3,4,5			PB:1 On/Off Ramp Up/Dm	On/Off Togg.	
								P:5 Dim to 0% Off	PB:4 Off R1-4	P:5 Dim to 0% Off					

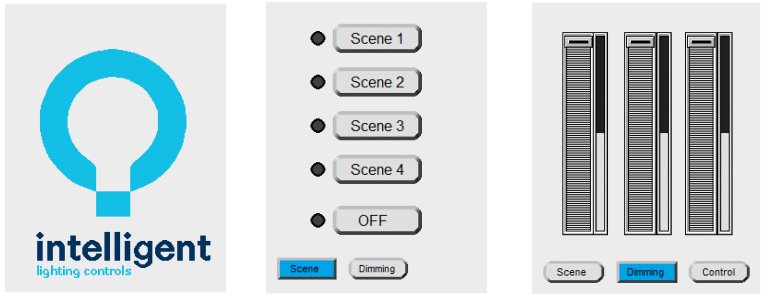
The 4-Scene station at address 04 or AV-RS232 Interface at 0A will control P1:100%, P2:60%, P3:AV (Dim-1,2,3 at 40% and Dim-4 at 0%), P4: 20% P5: 0% - for all-Off
Address 14 is also programmed for Preset control allowing a 2nd G3-4 Scene station
Address 0B & 16 are set for All On/Off, 17-1D are set preset control and Dimmer screens for additional LS stations or a 3.4" Touch screen station

Node Address:	Output:							LightSync Input Devices		Optional 3.5" Touch Screen Station					
	Relay #							LS-G3-4 Scene	LS-G3 1ZND	LS-G3-5 Scene	Dimmer	LS-G3 MZD1	LS-G3 MZD1		
F D	Dimmer #							LS: 14	LS: 16	LS: 17	LS:18/1B	LS:19/1C	LS:1A/1D		
MSB / LSB	Relay 1 Dim 01.1							P:1,2,3,4-On P:1,2,3,4,5 U/D	On/Off Togg.	P:1,2,3,4-On P:1,2,3,4,5	(1B Status) PC 18 Dim				
	Relay 2 Dim 01.2							P:1,2,3,4-On P:1,2,3,4,5 U/D	On/Off Togg.	P:1,2,3,4-On P:1,2,3,4,5		(1C Status) PC 19 Dim			
	Relay 3 Dim 01.3							P:1,2,3,4-On P:1,2,3,4,5 U/D	On/Off Togg.	P:1,2,3,4-On P:1,2,3,4,5		PC 19 Dim			
	Relay 4 Dim 01.4							P:1,2,3,4-On P:1,2,3,4,5 U/D	On/Off Togg.	P:1,2,3,4-On P:1,2,3,4,5			(1D Status) PC 19 Dim		
								P:5 Dim to 0% Off		P:5 Dim to 0% Off					

17.8 = Go To 50% D1-4 & Revert to PC for Slide Dimmer Take **Control**

LSG3 Scene switches use Preset 1,2,3,4,5 for Scene 1,2,3,4 and 5 as Off.
This is intended for Standard Stand-Alone operation.
If Networked the Presets can be network triggered from the Network Controller and changing Presets # for independent control may be required.

3.4" TSS | **17** | **18, 19, 1A Slide Dimmer control**



Home | **Scene** | **1B, 1C, 1D Status Bar**
17 - 1E (8 LS Address) | **17.8 Control button**
"**Control**" button LS: 17.8 = Go To 50% D1-4 & Revert to PC for Slide Dimmer's to *Take-Control*

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EVO Lighting Application Control Mapping Matrix FE

EVO Lighting Application FE is used for a EVO panel supporting Open Office with 4 or 3 R20D relay zones.
Photo sensor inputs for 1 or 2 daylight zones, Timer 1 Open - 6:00am ON / Timer 2 Close - 10:00pm - Off sweep repeated every 2 hours w/Blink Alert
Remote digital CAT-5 LightSync MZD or standard button switches for local room control

Node Address:	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices							
	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-G3 MZD4	LS-G3 MZD3	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD1	LS-G3 1ZND	LS-G3 1ZND
	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04/05	LS: 06/07	LS: 08	LS: 09	LS: 0A	LS: 0B	LS: 0C	LS: 0D
F E	Relay 1 Dim 01.1			Occ-on/off	Vacancy-off	Occ-On/Off On-50%	On/Off Togg	PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn	PB:1 On/Off Ramp Up/Dn				On/Off Togg.	
MSB / LSB	Relay 2 Dim 01.2			Occ-on/off	Vacancy-off	Occ-On/Off On-50%	On/Off Togg	PB:2-on/off Ramp Up/Dn	PB:2-on/off Ramp Up/Dn		PB:1 On/Off Ramp Up/Dn			On/Off Togg.	
	Relay 3 Dim 01.3		Full Scale	Occ-on/off	Vacancy-off	Occ-On/Off On-50%/PC2	On/Off Togg	PB:3-on/off Ramp Up/Dn	PB:3-on/off Ramp Up/Dn			PB:1 On/Off Ramp Up/Dn		On/Off Togg.	
	Relay 4 Dim 01.4	Full Scale		Occ-on/off	Vacancy-off	Occ-On/Off On-50%/PC1	On/Off Togg	PB:4-on/off Ramp Up/Dn					PB:1-on/off Ramp Up/Dn	On/Off Togg.	On/Off Togg.
								PB:5-Off R1-4	PB:4-Off R1-4	MZD1 & 1ZND operation can be used for G3 or G2 switches					

Additional G3 switch addresses for 3-Way operation, LSOS8I for additional Occupancy power (800mA) and 4-Zone, 3-Zone/1-Zone control
Open Office Code Compliant Room Type - CA, Title-24: CD 0012 Ashrae 90.1: CD 0212 IECC: CD 0411, 0412

Node Address:	Output:	Remote OSC8I - 24V Motion Sensor inputs 800mA total 3-Zone R1,2,3						1-Zone R4		Remote LightSync Input Devices					
	Relay #	IN-1	IN-2	IN-3	IN-4	IN-5	IN-6	IN-6	IN-8	LS-G3 MZD4	LS-G3 MZD3	LS-G3 MZD1	LS-G3 1ZND	LS-G3 1ZND	
	Dimmer #	LS: 13.1	LS: 13.2	LS: 13.3	LS: 13.4	LS: 13.5	LS: 13.6	LS: 13.7	LS: 13.8	LS: 14/15	LS: 16/17	LS: 1B	LS: 1C	LS: 1D	
F E	Relay 1 Dim 01.1	Occ-on/off	Vacancy-off	Occ-On/Off On-50%	On/Off Togg	Occ-on/off	Vacancy-off			PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn		On/Off Togg.		
MSB / LSB	Relay 2 Dim 01.2	Occ-on/off	Vacancy-off	Occ-On/Off On-50%	On/Off Togg	Occ-on/off	Vacancy-off			PB:2-on/off Ramp Up/Dn	PB:2-on/off Ramp Up/Dn		On/Off Togg.		
	Relay 3 Dim 01.3	Occ-on/off	Vacancy-off	Occ-On/Off On-50%/PC2	On/Off Togg	Occ-on/off	Vacancy-off			PB:3-on/off Ramp Up/Dn	PB:3-on/off Ramp Up/Dn		On/Off Togg.		
	Relay 4 Dim 01.4	Occ-on/off	Vacancy-off	Occ-On/Off On-50%/PC1	On/Off Togg			Occ-on/off	Vacancy-off	PB:4-on/off Ramp Up/Dn		PB:1-on/off Ramp Up/Dn	On/Off Togg.	On/Off Togg.	
										PB:5-Off R1-4	PB:4-Off R1-4				

Open/Closer - timer setting		
Days	Open	Close
Sunday	6:00 AM	10:00 PM
Monday	6:00 AM	10:00 PM
Thursday	6:00 AM	10:00 PM
Wednesday	6:00 AM	10:00 PM
Thursday	6:00 AM	10:00 PM
Friday	6:00 AM	10:00 PM
Saturday	6:00 AM	10:00 PM

This EVO Panel *must have* an Internal Clock (EVO-TC) for timer operation or be networked
If No clock is present the panel will remain at 12:00 Midnight in the Closed "B" operation

Timer Operation:	
Timer 1	Timer 2
Open 6am	Close 10pm
R1 On	R1 Off 2hr. Sweep
R2 On	R2 Off 2hr. Sweep
R3 On	R3 Off 2hr. Sweep
R4 On	R4 Off 2hr. Sweep

T1 - Open: Mo / Tu / We / Th / Fr
T2 - Close: Su / Mo / Tu / We / Th / Fr/ Sa
Blink Alert at Timer Off cycle R1-4

MZD1 & 1ZND operation can be used for G3 or G2 switches

LS-G2 MZD4	LS-G2 MZD3	LS-G2 MZD1	LS-G2 1ZND
LS: 24/25	LS: 26/27	LS: 2B	LS: 2C
PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn		On/Off Togg.
PB:2-on/off Ramp Up/Dn	PB:2-on/off Ramp Up/Dn		On/Off Togg.
PB:3-on/off Ramp Up/Dn	PB:3-on/off Ramp Up/Dn		On/Off Togg.
PB:4-on/off Ramp Up/Dn		PB:1-on/off Ramp Up/Dn	On/Off Togg.

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Simplifying Lighting Controls from Installation to Use

EVO Lighting Application Control Mapping Matrix FF

EVO Lighting Application FF is used for a EVO panel supporting Open Office with 4 or 3 R20D relay zones.
Photo sensor inputs for 1 or 2 daylight zones, Timer 1 Open 6:00am ON / Timer 2 Close - 10:00pm - Off sweep repeated every 2 hours w/Blink Alert
Remote digital CAT-5 LightSync MZD or standard button switches for local room control, Occupancy Sensor Inputs change fron On Only during the day to ON/Off at nigl

Node Address:	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices							
	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-G3 MZD4	LS-G3 MZD3	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD1	LS-G3 MZD1	LS-G3 1ZND	LS-G3 1ZND
	Dimmer #	LS: 01	LS: 02	LS: 03.1 (A/B)	LS: 03.1 (A&B)	LS: 03.2 (A/B)	LS: 03.4 (A&B)	LS: 04/05	LS: 06/07	LS: 08	LS: 09	LS: 0A	LS: 0B	LS: 0C	LS: 0D
F F	Relay 1 Dim 01.1			A=On/B=On/Off	Vacancy-off	A=On/B=On/Off On-50%	On/Off Togg.	PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn	PB:1 On/Off Ramp Up/Dn				On/Off Togg.	
MSB / LSB	Relay 2 Dim 01.2			A=On/B=On/Off	Vacancy-off	A=On/B=On/Off On-50%	On/Off Togg.	PB:2-on/off Ramp Up/Dn	PB:2-on/off Ramp Up/Dn		PB:1 On/Off Ramp Up/Dn			On/Off Togg.	
	Relay 3 Dim 01.3		Full Scale	A=On/B=On/Off	Vacancy-off	A=On/B=On/Off On-50% PC2	On/Off Togg.	PB:3-on/off Ramp Up/Dn	PB:3-on/off Ramp Up/Dn			PB:1 On/Off Ramp Up/Dn		On/Off Togg.	
	Relay 4 Dim 01.4	Full Scale		A=On/B=On/Off	Vacancy-off	A=On/B=On/Off On-50% PC1	On/Off Togg.	PB:4-on/off Ramp Up/Dn					PB:1-on/off Ramp Up/Dn	On/Off Togg.	On/Off Togg.
		A = Open Hours / B = Closed Hours Operation						PB:5-Off R1-4	PB:4-Off R1-4	MZD1 & 1ZND operation can be used for G3 or G2 switches					

Additional G3 switch addresses for 3-Way operation, LSOS8I for additional Occupancy power (800mA) and 4-Zone, 3-Zone/1-Zone control
Open Office Code Compliant Room Type - CA, Title-24: CD 0012 Ashrae 90.1: CD 0212 IECC: CD 0411, 0412

Node Address:	Output:	Remote OSC8I - 24V Motion Sensor inputs 800mA total								Remote LightSync Input Devices					
	Relay #	IN-1	IN-2	IN-3	IN-4	IN-5	IN-6	IN-6	IN-8	LS-G3 MZD4	LS-G3 MZD3	LS-G3 MZD1	LS-G3 1ZND	LS-G3 1ZND	
	Dimmer #	LS: 13.1 (A/B)	LS: 13.1 (A&B)	LS: 13.2 (A/B)	LS: 13.4 (A/B)	LS: 13.5 (A/B)	LS: 13.6 (A&B)	LS: 13.7(A/B)	LS: 13.8(A&B)	LS: 14/15	LS: 16/17	LS: 1B	LS: 1C	LS: 2D	
F F	Relay 1 Dim 01.1	On-A / Off-B	Vacancy-off	On-A / Off-B On-50%	On-A/Off-B	On-A / Off-B On-50%	Vacancy-off			PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn		On/Off Togg.		
MSB / LSB	Relay 2 Dim 01.2	On-A / Off-B	Vacancy-off	On-A / Off-B On-50%	On-A/Off-B	On-A / Off-B On-50%	Vacancy-off			PB:2-on/off Ramp Up/Dn	PB:2-on/off Ramp Up/Dn		On/Off Togg.		
	Relay 3 Dim 01.3	On-A / Off-B	Vacancy-off	On-A / Off-B On-50% PC2	On-A/Off-B	On-A / Off-B On-50% PC2	Vacancy-off			PB:3-on/off Ramp Up/Dn	PB:3-on/off Ramp Up/Dn		On/Off Togg.		
	Relay 4 Dim 01.4	On-A / Off-B	Vacancy-off	On-A / Off-B On-50% PC1	On-A/Off-B			On-A / Off-B On-50% PC1	Vacancy-off	PB:4-on/off Ramp Up/Dn		PB:1-on/off Ramp Up/Dn	On/Off Togg.	On/Off Togg.	
		A = Open Hours / B = Closed Hours Operation								PB:5-Off R1-4	PB:4-Off R1-4				

Open/Closer - timer setting		
Days	Open	Close
Sunday	6:00 AM	10:00 PM
Monday	6:00 AM	10:00 PM
Thursday	6:00 AM	10:00 PM
Wednesday	6:00 AM	10:00 PM
Thursday	6:00 AM	10:00 PM
Friday	6:00 AM	10:00 PM
Saturday	6:00 AM	10:00 PM

This EVO Panel *must have* an Internal Clock (EVO-TC) for timer operation or be networked
If No clock is present the panel will remain at 12:00 Midnight in the Closed "B" operation

Timer Operation:	
Timer 1	Timer 2
Open 6am	Close 10pm
R1 On	R1 Off 2hr. Sweep
R2 On	R2 Off 2hr. Sweep
R3 On	R3 Off 2hr. Sweep
R4 On	R4 Off 2hr. Sweep

T1 - Open: Mo / Tu / We / Th / Fr
T2 - Close: Su / Mo / Tu / We / Th / Fr/ Sa
Blink Alert at Timer Off cycle R1-4

MZD1 & 1ZND operation can be used for G3 or G2 switches

LS-G2 MZD4	LS-G2 MZD3	LS-G2 MZD1	LS-G2 1ZND
LS: 24/25	LS: 26/27	LS: 2B	LS: 2C
PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn		On/Off Togg.
PB:2-on/off Ramp Up/Dn	PB:2-on/off Ramp Up/Dn		On/Off Togg.
PB:3-on/off Ramp Up/Dn	PB:3-on/off Ramp Up/Dn		On/Off Togg.
PB:4-on/off Ramp Up/Dn		PB:1-on/off Ramp Up/Dn	On/Off Togg.

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