

EVO Lighting Application Control Mapping Matrix

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

Node	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices							
Address:	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-MZD1	LS-MZD1	LS-MZD1	LS-MZD1	LS-MZD2	LS-MZD2	LS-OCS8	LS-PC3/4
	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: 0C .1-8	LS: 0D/0E
F 0	Relay 1			Occ-on/off	Vacancy-off			PB:1-on/off				PB:1-on/off		1-Occ, 5-Vac	
	Dim 01.1	Full scale						Ramp Up/Dn				Ramp Up/Dn			
	MSB / LSB	Relay 2			Occ-on/off	Vacancy-off			PB:1-on/off			PB:2-on/off		2-Occ, 6-Vac	
	Dim 01.2							Ramp Up/Dn			Ramp Up/Dn			0D-Full Scale	
	Relay 3		Full scale			Occ-on/off	Vacancy-off			PB:1-on/off			PB:1-on/off	3-Occ, 7-Vac	
	Dim 01.3									Ramp Up/Dn					
	Relay 4					Occ-on/off	Vacancy-off				PB:1-on/off		PB:2-on/off	4-Occ, 8-Vac	
	Dim 01.4										Ramp Up/Dn		Ramp Up/Dn		0E-Full scale

EVO Lighting Application F1 is used for a EVO panel supporting 1 room with 1 to 4 R20D relay zones.
Photo sensor inputs for 1 daylight zones, motion sensor inputs for Occupancy or Vacancy control,
Remote digital CAT-5 LightSync MZD or standard button switches for local room control

Node	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices							
Address:	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-MZD1	LS-MZD2	LS-MZD3	LS-MZD4	LS-	LS-	LS-	LS-
	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04	LS: 05/06	LS: 07/08	LS: 09/0A	LS:	LS:	LS:	LS:
F 1	Relay 1			Occ-on/off	Vacancy-off	Occ-on/off	Vacancy-off	PB:1-on/off	PB:1-on/off	PB:1-on/off	PB:1-on/off				
	Dim 01.1	Full scale	n/a			On-50%/PC1		Ramp Up/Dn	Ramp Up/Dn	Ramp Up/Dn	Ramp Up/Dn				
	MSB / LSB	Relay 2			Occ-on/off	Vacancy-off	Occ-on/off	Occ-on/off		PB:2-on/off	PB:2-on/off	PB:2-on/off			
	Dim 01.2					On-50%	On-50%		Ramp Up/Dn	Ramp Up/Dn	Ramp Up/Dn				
	Relay 3			Occ-on/off	Vacancy-off	Occ-on/off	Vacancy-off			PB:3-on/off	PB:3-on/off				
	Dim 01.3					50%				Ramp Up/Dn	Ramp Up/Dn				
	Relay 4			Occ-on/off	Vacancy-off	Occ-on/off	Occ-on/off				PB:4-on/off				
	Dim 01.4					On-50%	On-50%				Ramp Up/Dn				

EVO Lighting Application F2 is used for a EVO panel supporting 1 room with 1 to 4 R20D relay zones.
Photo sensor inputs for 2 daylight zones, motion sensor inputs for Occupancy or Vacancy control,
Remote digital CAT-5 LightSync MZD or standard button switches for local room control

Node	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices							
Address:	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-MZD1	LS-MZD2	LS-MZD3	LS-MZD4	LS-	LS-	LS-	LS-
	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04	LS: 05/06	LS: 07/08	LS: 09/0A	LS: 0B/0C	LS:	LS:	LS:
F 2	Relay 1			Occ-on/off	Vacancy-off	Occ-on/off	Vacancy-off	PB:1-on/off	PB:1-on/off	PB:1-on/off	PB:1-on/off				
	Dim 01.1	Full scale				On-50%/PC1		Ramp Up/Dn	Ramp Up/Dn	Ramp Up/Dn	Ramp Up/Dn				
	MSB / LSB	Relay 2			Occ-on/off	Vacancy-off	Occ-on/off	Occ-on/off		PB:2-on/off	PB:2-on/off	PB:2-on/off			
	Dim 01.2	-10% scale					On-50%/PC1	On-50%/PC1		Ramp Up/Dn	Ramp Up/Dn	Ramp Up/Dn			
	Relay 3			Occ-on/off	Vacancy-off	Occ-on/off	Vacancy-off			PB:3-on/off	PB:3-on/off	PB:3-on/off			
	Dim 01.3					On-50%				Ramp Up/Dn	Ramp Up/Dn	Ramp Up/Dn			
	Relay 4			Occ-on/off	Vacancy-off	Occ-on/off	Occ-on/off				PB:4-on/off	PB:4-on/off			
	Dim 01.4					On-50%	On-50%				Ramp Up/Dn	Ramp Up/Dn			

EVO Lighting Application Control Mapping Matrix

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

Node	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices								
Address:	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-MZD1	LS-MZD1	LS-MZD1	LS-MZD1	LS-MZD2	LS-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			Occ-on/off	Vacancy-off			PB:1-on/off				PB:1-on/off				
	Dim 01.1	Full scale		On-50%/PC1				Ramp Up/Dn				Ramp Up/Dn				
	MSB / LSB	Relay 2		Occ-on/off	Vacancy-off				PB:1-on/off			PB:2-on/off				
	Dim 01.2			On-50%				Ramp Up/Dn				Ramp Up/Dn				
	Relay 3		Full scale			Occ-on/off	Vacancy-off			PB:1-on/off				PB:1-on/off		
	Dim 01.3					On-50%/PC2				Ramp Up/Dn				Ramp Up/Dn		
	Relay 4					Occ-on/off	Vacancy-off				PB:1-on/off			PB:2-on/off		
	Dim 01.4					On-50%					Ramp Up/Dn			Ramp Up/Dn		

EVO Lighting Application F4 is used for a EVO panel supporting 2 room with 1 to 2 R20D relay zones per room. Photo sensor inputs for 2 daylight zones, motion sensor inputs for Occupancy or Vacancy control, Remote digital CAT-5 LightSync MZD or standard button switches for local room control

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

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

Node	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices								
Address:	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-MZD1	LS-MZD1	LS-MZD2	LS-MZD3	LS-	LS-	LS-	LS-	
	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04	LS: 05	LS: 06/07	LS: 08/09	LS:	LS:	LS:	LS:	
F 5	Relay 1			Occ-on/off	Vacancy-off			PB:1-on/off		PB:1-on/off	PB:1-on/off					
	Dim 01.1	Full scale		On-50%/PC1				Ramp Up/Dn		Ramp Up/Dn	Ramp Up/Dn					
	MSB / LSB	Relay 2		Occ-on/off	Vacancy-off					PB:2-on/off	PB:2-on/off					
	Dim 01.2			On-50%				Ramp Up/Dn		Ramp Up/Dn	Ramp Up/Dn					
	Relay 3			Occ-on/off	Vacancy-off							PB:3-on/off				
	Dim 01.3			On-50%								Ramp Up/Dn				
	Relay 4					Occ-on/off	Vacancy-off			PB:1-on/off						
	Dim 01.4		Full Scale			On-50%/PC2				Ramp Up/Dn						

EVO Lighting Application Control Mapping Matrix

EVO Lighting Application F6 is used for a EVO panel supporting 2 rooms, one with 1 to 3 R20D relay zones and one with 1 R20D relay zone. Photo sensor inputs for 2 daylight zones - Two in 3-zone room and One in single zone room, motion sensor inputs for Occupancy or Vacancy control, Remote digital CAT-5 LightSync MZD or standard button switches for local room control

Node	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices				Auxiliary remote mount Photo Sensors Controller			
Address:	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-MZD1	LS-MZD1	LS-MZD2	LS-MZD3	LS-	LS-	LS-	LS-
	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04	LS: 05	LS: 06/07	LS: 08/09	LS:	LS:	LS:	LS:
F 6	Relay 1 Dim 01.1	Full scale		Occ-on/off On-50%/PC1	Vacancy-off			PB:1-on/off Ramp Up/Dn		PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn				
	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				
	Relay 3 Dim 01.3			Occ-on/off On-50%	Vacancy-off						PB:3-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						

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 control, auxillary inputs for 2 additional daylight zone photo sensors controllers Remote digital CAT-5 LightSync MZD or standard button switches for local room control

Node	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices				Auxiliary remote mount Photo Sensors Controller			
Address:	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-MZD1	LS-MZD1	LS-MZD1	LS-MZD1	LS- PSC-3	LS- PSC-4	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	LS: 09	LS:	LS:
F 7	Relay 1 Dim 01.1	Full scale		Occ-on/off On-50%/PC1				PB:1-on/off Ramp Up/Dn							
	Relay 2 Dim 01.2		Full scale		Occ-on/off On-50%/PC2				PB:1-on/off Ramp Up/Dn						
	Relay 3 Dim 01.3					Occ-on/off On-50%/PC3				PB:1-on/off Ramp Up/Dn		Full scale			
	Relay 4 Dim 01.4						Occ-on/off On-50%/PC4				PB:1-on/off Ramp Up/Dn		Full Scale		

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, Auxillary inputs for 2 additional daylight zone photo sensor controllers Remote digital CAT-5 LightSync MZD or standard button switches for local room control

Node	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices				Auxiliary remote mount Photo Sensors Controller			
Address:	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-MZD1	LS-MZD1	LS-MZD1	LS-MZD1	LS- PSC-3	LS- PSC-4	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	LS: 09	LS:	LS:
F 8	Relay 1 Dim 01.1	Full scale		Vacancy-off				PB:1-on/off Ramp Up/Dn							
	Relay 2 Dim 01.2		Full scale		Vacancy-off				PB:1-on/off Ramp Up/Dn						
	Relay 3 Dim 01.3					Vacancy-off				PB:1-on/off Ramp Up/Dn		Full scale			
	Relay 4 Dim 01.4						Vacancy-off				PB:1-on/off Ramp Up/Dn		Full Scale		



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EVO Lighting Application Control Mapping Matrix

**EVO Lighting Application F9 is used for a EVO panel supporting 1 room with 1 to 4 R20D relay zones. Occupancy driven dimmer levels
Photo sensor inputs for 1 daylight zone, motion sensor inputs for Occupancy control of dimming (ON-Hight/Low)
Remote digital CAT-5 LightSync standard button switches for local room control On/Off**

Node	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices							
Address:	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-MZD4	LS-MZD4	LS-MZD4	LS-	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: 08/09	LS:	LS:	LS:	LS:	LS:
F 9	Relay 1			Occupancy-On	Occupancy-On	Occupancy-On	Occupancy-On	PB:1-on/off	PB:1-on/off	PB:1-on/off					
	Dim 01.1	Full scale		On100/Off50%	On100/Off20%	On80%/Off20%	On50%/Off10%	Ramp Up/Dn	Ramp Up/Dn	Ramp Up/Dn					
	MSB / LSB														
	Relay 2			Occupancy-On	Occupancy-On	Occupancy-On	Occupancy-On	PB:2-on/off	PB:2-on/off	PB:2-on/off					
Dim 01.2			On100/Off50%	On100/Off20%	On80%/Off20%	On50%/Off10%	Ramp Up/Dn	Ramp Up/Dn	Ramp Up/Dn						
Relay 3			Occupancy-On	Occupancy-On	Occupancy-On	Occupancy-On	PB:3-on/off	PB:3-on/off	PB:3-on/off						
Dim 01.3			On100/Off50%	On100/Off20%	On80%/Off50%	On50%/Off10%	Ramp Up/Dn	Ramp Up/Dn	Ramp Up/Dn						
Relay 4			Occupancy-On	Occupancy-On	Occupancy-On	Occupancy-On	PB:4-on/off	PB:4-on/off	PB:4-on/off						
Dim 01.4			On100/Off50%	On100/Off20%	On80%/Off20%	On50%/Off10%	Ramp Up/Dn	Ramp Up/Dn	Ramp Up/Dn						

**EVO Lighting Application FA is used for a EVO panel supporting 1 Classroom with 1 to 4 R20D relay zones. (a,b,c,d zones) - Daylighting at back of room in zone 4
Photo sensor inputs for 1 daylight zone, motion sensor inputs for Occupancy or Vacancy control,
Remote digital CAT-5 LightSync MZD or standard button switches for local room control**

Node	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices							
Address:	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-G2-2	LS-MZD4	LS-MZD3	LS-	LS-	LS-	LS-	LS-
	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04	LS: 05/06	LS: 07/08	LS:	LS:	LS:	LS:	LS:
F A	Relay 1			Occ-on/off	Vacancy-off	Occ-on/off	Occ-on/off	PB:1-on/2-off	PB:1-on/off	PB:1-on/off					
	Dim 01.1			On-50%			On-50%	On-50%	Ramp Up/Dn	Ramp Up/Dn					
	MSB / LSB														
	Relay 2			Occ-on/off	Vacancy-off	Occ-on/off	Vacancy-off	PB:1-on/2-off	PB:2-on/off	PB:2-on/off					
Dim 01.2			On-50%				On-50%	Ramp Up/Dn	Ramp Up/Dn						
Relay 3			Occ-on/off	Vacancy-off	Occ-on/off	Vacancy-off	PB:1-on/2-off	PB:3-on/off	PB:2-on/off						
Dim 01.3			On-50%				On-50%	Ramp Up/Dn	Ramp Up/Dn						
Relay 4			Occ-on/off	Vacancy-off	Occ-on/off	Vacancy-off	PB:1-on/2-off	PB:4-on/off	PB:3-on/off						
Dim 01.4	Full scale			On-50%/PC1				On-50%/PC1	Ramp Up/Dn	Ramp Up/Dn					

**EVO Lighting Application FB is used for a EVO panel supporting 1 Classroom with 1 to 4 R20D relay zones. (a, b, & overlap ac, bd daylight zones of lighting with dimmi
Photo sensor inputs for 2 daylight zones (ac, bd), motion sensor inputs for Occupancy or Vacancy control,
Remote digital CAT-5 LightSync MZD or standard button switches for local room control**

Node	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices							
Address:	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-G2-2	LS-MZD2	LS-MZD4	LS-	LS-	LS-	LS-	LS-
	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04	LS: 05/06	LS: 07/08	LS:	LS:	LS:	LS:	LS:
F B	(a)Relay 1			Occ-on/off	Vacancy-off	Occ-on/off	Occ-on/off	PB:1-on/2-off	PB:1-on/off	PB:1-on/off					
	Dim 01.1			On-50%			On-50%	On-50%	Ramp Up/Dn	Ramp Up/Dn					
	MSB / LSB														
	(b)Relay 2			Occ-on/off	Vacancy-off	Occ-on/off	Vacancy-off	PB:1-on/2-off	PB:1-on/off	PB:2-on/off					
Dim 01.2			On-50%				On-50%	Ramp Up/Dn	Ramp Up/Dn						
(ac)Relay 3			Occ-on/off	Vacancy-off	Occ-on/off	Vacancy-off	PB:1-on/2-off	PB:2-on/off	PB:3-on/off						
Dim 01.3	Full scale			On-50%/PC1				On-50%/PC1	Ramp Up/Dn	Ramp Up/Dn					
(bd)Relay 4			Occ-on/off	Vacancy-off	Occ-on/off	Vacancy-off	PB:1-on/2-off	PB:2-on/off	PB:4-on/off						
Dim 01.4	Full scale			On-50%/PC1				On-50%/PC1	Ramp Up/Dn	Ramp Up/Dn					

EVO Lighting Application Control Mapping Matrix

EVO Lighting Application FC is used for a EVO panel supporting a Conference room with 1 to 4 R20D relay zones.
Photo sensor inputs for 1 daylight zones, Motion sensor inputs for Occupancy or Vacancy control,
Remote digital CAT-5 LightSync MZD or standard button switches for local room control, 5-button Preset station - P1:40%, P2:20%, P3:60%, P4:100%, P5:0%

Node	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices				A/V 232			
Address:	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-MZD4	LS-G2-5	LS-G2-2B	LS ISSCM	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	LS: 07	LS: 08	LS:	LS:	LS:	LS:
FC	Relay 1			Occ-on/off	Vacancy-off	Occ-on/off	Vacancy-off	PB:1-on/off	P:1,2,3,4 On	PB:1-on/2-off	P:1,2,3,4 On				
	Dim 01.1					On-50%		Ramp Up/Dn	P:1,2,3,4,5 %	On-50%	P:1,2,3,4,5 %				
	Relay 2			Occ-on/off	Vacancy-off	Occ-on/off	Occ-on/off	PB:2-on/off	P:1,2,3,4 On	PB:1-on/2-off	P:1,2,3,4 On				
	Dim 01.2					On-50%	On-50%	Ramp Up/Dn	P:1,2,3,4,5 %	On-50%	P:1,2,3,4,5 %				
MSB / LSB	Relay 3			Occ-on/off	Vacancy-off	Occ-on/off	Occ-on/off	PB:3-on/off	P:1,2,3,4 On	PB:1-on/2-off	P:1,2,3,4 On				
	Dim 01.3					50%	On-50%	Ramp Up/Dn	P:1,2,3,4,5 %	On-50%	P:1,2,3,4,5 %				
	Relay 4			Occ-on/off	Vacancy-off	Occ-on/off	Vacancy-off	PB:4-on/off	P:1,2,3,4 On	PB:1-on/2-off	P:1,2,3,4 On				
	Dim 01.4	Full Scale				On-50%/PC1		Ramp Up/Dn	P:1,2,3,4,5 %	On-50%/PC1	P:1,2,3,4,5 %				

EVO Lighting Application FD is used for a EVO panel supporting Open Office with 1 to 4 R20D relay zones.
Photo sensor inputs for 1 daylight zones, Open Timer 6:00am ON / Close Timer 10:00pm - Off sweep repeated every 2 hours
Remote digital CAT-5 LightSync MZD or standard button switches for local room control (7-day Open/Close Timer schedule)

Node	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices				Timer Operation:			
Address:	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-MZD4	LS-MZD4	LS-	LS-	LS-	LS-	Timer 1	Timer 2
	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04/05	LS: 06/07	LS:	LS:	LS:	LS:	Open 6am	Close 10pm
FD	Relay 1			Occ-on/off	Vacancy-off			PB:1-on/off	PB:1-on/off					R1 On	R1 Off
	Dim 01.1	Full Scale						Ramp Up/Dn	Ramp Up/Dn					D1 50%	2hr. Sweep
	Relay 2			Occ-on/off	Vacancy-off			PB:2-on/off	PB:2-on/off					R2 On	R2 Off
	Dim 01.2							Ramp Up/Dn	Ramp Up/Dn					D2 50%	2hr. Sweep
MSB / LSB	Relay 3			Occ-on/off	Vacancy-off			PB:3-on/off	PB:3-on/off					R3 On	R3 Off
	Dim 01.3							Ramp Up/Dn	Ramp Up/Dn					D3 50%	2hr. Sweep
	Relay 4			Occ-on/off	Vacancy-off			PB:4-on/off	PB:4-on/off					R4 On	R4 Off
	Dim 01.4							Ramp Up/Dn	Ramp Up/Dn					D4 50%	2hr. Sweep

EVO Lighting Application FE is used for a EVO panel supporting Open Office with 1 to 4 R20D relay zones.
Photo sensor inputs for 1 daylight zones, Open Timer 6:00am motion sensor ON-Only (type A)/ Close Timer 10:00pm motion sensor inputs for Occupancy On/Off (typ
Remote digital CAT-5 LightSync MZD or standard button switches for local room control (7-day Open/Close Timer schedule)

Node	Output:	EVO Photocells		EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices				Timer Operation:			
Address:	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-MZD4	LS-MZD4	LS-MZD4	LS-MZD4	LS-	LS-	Timer 1	Timer 2
	Dimmer #	LS: 01	LS: 02	LS: 03.1 (A)	LS: 03.1 (B)	LS: 03.2 (A)	LS: 03.2 (B)	LS: 04/05	LS: 06/07	LS: 08/09	LS: 0A/0B	LS:	LS:	Open 6am	Close 10pm
FE	Relay 1			Occ-on	Occ-on/off	Occ-on	Occ-on/off	PB:1-on/off	PB:1-on/off	PB:1-on/off	PB:1-on/off			Type A	Type B
	Dim 01.1	Full Scale				On-50%	On-50%	Ramp Up/Dn	Ramp Up/Dn	Ramp Up/Dn	Ramp Up/Dn			On-50%	
	Relay 2			Occ-on	Occ-on/off	Occ-on	Occ-on/off	PB:2-on/off	PB:2-on/off	PB:2-on/off	PB:2-on/off			Type A	Type B
	Dim 01.2					On-50%	On-50%	Ramp Up/Dn	Ramp Up/Dn	Ramp Up/Dn	Ramp Up/Dn			On-50%	
MSB / LSB	Relay 3			Occ-on	Occ-on/off	Occ-on	Occ-on/off	PB:3-on/off	PB:3-on/off	PB:3-on/off	PB:3-on/off			Type A	Type B
	Dim 01.3					On-50%	On-50%	Ramp Up/Dn	Ramp Up/Dn	Ramp Up/Dn	Ramp Up/Dn			On-50%	
	Relay 4			Occ-on	Occ-on/off	Occ-on	Occ-on/off	PB:4-on/off	PB:4-on/off					Type A	Type B
	Dim 01.4					On-50%	On-50%	Ramp Up/Dn	Ramp Up/Dn					On-50%	

Note: Motion sensors must be landed at inputs 1 & 2 or 3 & 4 as a combined set for proper Open/Close timer operation

EVO Lighting Application Control Mapping Matrix

EVO Lighting Application FF is used for a EVO panel supporting 1-rooms with 4 R20D relay zones.
Photo sensor inputs for 1 daylight zones, motion sensor inputs for Occupancy timed on 30 Minutes (sensor set for Minimal time duration in field)
Remote digital CAT-5 MZD or standard button switches for local room control, Off operation of each zones gives a 3-33 second Off with revert to Occupancy ON

Node	Output:	EVO Photocells				EVO Inputs - 24V Motion Sensor				Remote LightSync Input Devices							
Address:	Relay #	PC-1	PC-2	IN-1	IN-2	IN-3	IN-4	LS-MZD4	LS-MZD4	LS-MZD3	LS-MZD3	LS-	LS-	LS-	LS-		
FF	Dimmer #	LS: 01	LS: 02	LS: 03.1	LS: 03.2	LS: 03.3	LS: 03.4	LS: 04/05	LS: 07/08	LS: 0A/0B	LS: 0D/0E	LS:	LS:	LS:	LS:		
	Relay 1 Dim 01.1	Full Scale		Timed On 20min				PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn	PB:1-on/off Ramp Up/Dn						
MSB / LSB	Relay 2 Dim 01.2			Timed On 20min				PB:2-on/off Ramp Up/Dn	PB:2-on/off Ramp Up/Dn	PB:2-on/off Ramp Up/Dn	PB:2-on/off Ramp Up/Dn						
	Relay 3 Dim 01.3				Timed On 20min			PB:3-on/off Ramp Up/Dn	PB:3-on/off Ramp Up/Dn	PB:3-on/off Ramp Up/Dn	PB:3-on/off Ramp Up/Dn						
	Relay 4 Dim 01.4						Timed On 20min	PB:4-on/off Ramp Up/Dn	PB:4-on/off Ramp Up/Dn								

<p>Note: This panel Lighting Application requires the addition of a LS-RSR for the Aux status points in order to get the sequence of operations required</p>	Relay Simulator Registry [RSR] RSR Relay	LS-Echo Device	LS-Echo Device	LS-Echo Device	LS-Echo Device
	RSR: 2 1	LS:06/Echo: 04	LS:09/Echo: 07	LS:0C/Echo: 0A	LS:0F/Echo: 0D
	06.1, 09.1 , 0C.1, 0F.1 - R5 On/Alarm Off 1 Sec. R5 used to Disable OSC input 03.1	PB:1 R5 On/Off	PB:1 R5 On/Off	PB:1 R5 On/Off	PB:1 R5 On/Off
	06.2, 09.2, 0C.1, 0F.1 - R6 On/Alarm Off 1 Sec. R6 used to Disable OSC input 03.2	PB:2 R6 On/Off	PB:2 R6 On/Off	PB:2 R6 On/Off	PB:2 R6 On/Off
	06.3, 09.3, 0A.1, 0F.1 - R7 On/Alarm Off 1 Sec. R7 used to Disable OSC input 03.3	PB:3 R7 On/Off	PB:3 R7 On/Off	PB:3 R7 On/Off	PB:3 R7 On/Off
	06.4 , 09.4 - R8 On/Alarm Off 1 Sec. R8 used to Disable OSC input 03.4	PB:4 R8 On/Off	PB:4 R8 On/Off		

EVO panel selection of the Lighting Application programs (FO to FF) prior to networking the EVO panel or for stand alone operation. Set the EVO panel function selector jumper (FNC SEL) to the "ON" state (install jumper) for stand alone panel operation. Change the "NODE ADDRESS" dials to the desired Lighting Application required. Connect occupancy sensors and photo sensors to the proper inputs. Set the LightSync MZD dimmer or LS-G2 switch station to the proper address and connect to Local port of EVO. Test panel operations and record any changes needed or select a different Lighting Application that matches the operation needed. Record the Lighting Application address used for each room before setting the EVO panel into network mode. Networking Operation: Set the Function Selection jumper (FNC SEL) to the "OPEN" position (remove jumper). Set the EVO panel node address (MSB/LSB) for the final node address to be used, consult system riser diagram provided for installation for panel location and Node address. Final panel programming will be sent to each EVO panel from ILC LightLEEDer Pro network software and LightLEEDer Network Controller.

Available power for Occupancy sensor is effected by the number of LightSync CAT-5 devices connected
 4 CAT-5 devices, 400' accumulative feet, 200mA occupancy sensor power from EVO inputs 1-4
 5 CAT-5 devices, 500' accumulative feet, 160mA occupancy sensor power from EVO inputs 1-4
 6 CAT-5 devices, 600' accumulative feet, 120mA occupancy sensor power from EVO inputs 1-4
 7 CAT-5 devices, 700' accumulative feet, 90mA occupancy sensor power from EVO inputs 1-4
 8 CAT-5 devices, 800' accumulative feet, 60mA occupancy sensor power from EVO inputs 1-4
 Additional CAT-5 devices can be supported using a PSR (Power Supply Repeater)
 one PSR provides power for every 20 devices, EVO supports a total of 61 remote devices addresses

