NO Input / Neutral

## Blue/GP-Panel

### **Cable Wire Device Connections**

(Bedroom 2/3: Towel Warmer)

"Neutral"

Device Name

Device Type Device Terminal Connection Circuit ID Circuit Name Terminal Wire Count **Cable Wires** 1G-03/05 14-3 1G-03 "Dimmer (Lower Stair: Ceiling & Lounge Bar: Counter)" Dimmer, Type 1, Dual 4A White (Lounge Bar: LV LED Counter Lighting) Control In / B: AC2 "Neutral" 1G-05 "Dimmer (Photo Booth: Front & Overhaed)" Dimmer, Type 2, Dual 5A #2 (Photo Booth: Overhead Lighting) Control In / B: AC1 Black "Dimmer (Lower Stair: Ceiling & Lounge Bar: Counter)" Dimmer, Type 1, Dual 4A (Lounge Bar: LV LED Counter Lighting) Control In / B: AC1 "Switched" Dimmer, Type 2, Dual 5A #2 "Dimmer (Photo Booth: Front & Overhaed)' (Photo Booth: Overhead Lighting) Control In / B: AC2 "Switched" 14-2 1G-04 To/From: "Blue/XL-Dim 1G-04 White "Dimmer (Photo Booth: Front & Overhaed)" Dimmer, Type 2, Dual 5A #2 (Photo Booth: Front Lighting) Control In / A: AC2 "Neutral Dimmer, Type 2, Dual 5A #2 Black "Dimmer (Photo Booth: Front & Overhaed)" (Photo Booth: Front Lighting) Control In / A: AC1 "Switched" 1G-20 12-3 To/From: Lounge Bai White "Lounge Bar Instant Hot SSR" Relay, Solid State (25A) #4 Lounge Bar: Outlet for Instant Hot Power Output / Neutral "Neutral Black "Lounge Bar Instant Hot SSR' Relay, Solid State (25A) #4 Power Output / Hot Lounge Bar: Outlet for Instant Hot "Hot" 1G-20 Relay, Solid State (25A) #4 "Lounge Bar Instant Hot SSR' Red Lounge Bar: Outlet for Instant Hot Power Output / 2 (Output) "Switched" "Blue/XL-HVRB 14-2 1G-21 1G-21 "Ermerg Lighting: Shop: Work Area Lights 24 Vdc DPDT" Relay, DPDT, 24 Vdc (Plug-In) White (Shop: Work Area Lights B (Aux)) Input / NC 2 (T3) "Neutral" Black "Ermerg Lighting: Shop: Work Area Lights 24 Vdc DPDT' Relay, DPDT, 24 Vdc (Plug-In) (Shop: Work Area Lights B (Aux)) Input / NC 1 (T1) "Switched" 1G-22 To/From: "Yellow/CB-Panel/Emer 14-2 1G-22 "Ermerg Lighting: Shop: Work Area Lights 24 Vdc DPDT" Relay, DPDT, 24 Vdc (Plug-In) White (Emergency Lighting) Input / NO 2 (T6) "Neutral" 1G-22 "Ermerg Lighting: Shop: Work Area Lights 24 Vdc DPDT" Relay, DPDT, 24 Vdc (Plug-In) Black (Emergency Lighting) Input / NO 1 (T4) "Hot" 1G-30 "Blue/CB-Panel 12-2 1G-30 "Lounge Bar Instant Hot SSR" Relay, Solid State (25A) #4 White (Lounge Bar: Outlet for Instant Hot) NO Input / Neutral "Neutral" 1G-30 "Lounge Bar Instant Hot SSR" Relay, Solid State (25A) #4 Black (Lounge Bar: Outlet for Instant Hot) NO Input / 1 (Output) "Hot" 14-2 1G-32 1G-32 "Bedroom 2/3 Bath Heater SSR' White Relay, Solid State (25A) #5

Power In (120/240 Vac) / L

# Blue/GP-Panel

# **Cable Wire Device Connections**

Blue: Dimmed LV LED Lights

"Hot (Pole 1)"

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
Black "Hot"	1G-32 (Bedroom 2/3: Towel Warmer)	"Bedroom 2/3 Bath Heater SSR" 1	Relay, Solid State (25A) #5 NO Input / 1 (Output)
1G-33		To/From: "Blue/CB-Panel" & Others	14-2
White "Neutral"	1G-33 Blue/CN-Panel Outlet	"Line Power Duplex Outlet" 1	Outlet, Duplex (15A) Power In (120 Vac) / Neutral
Black "Hot"	1G-33 Blue/CN-Panel Outlet	"Line Power Duplex Outlet" 1	Outlet, Duplex (15A) Power In (120 Vac) / Hot
1G-36		To/From: "Yellow/CB-Panel/OffP"	12-2
White "Neutral"	1G-36 (Changing Room A: Heater)	"Changing Room A Heater SSR" 1	Relay, Solid State (25A) #1  NO Input / Neutral
Black "Hot"	1G-36 (Changing Room A: Heater)	"Changing Room A Heater SSR" 1	Relay, Solid State (25A) #1 NO Input / 1 (Output)
1G-37		To/From: "Yellow/CB-Panel/OffP"	12-2
White "Neutral"	1G-37 (Changing Room B: Heater)	"Changing Room B Heater SSR" 1	Relay, Solid State (25A) #2 NO Input / Neutral
Black "Hot"	1G-37 (Changing Room B: Heater)	"Changing Room B Heater SSR" 1	Relay, Solid State (25A) #2 NO Input / 1 (Output)
1G-38		To/From: "Yellow/CB-Panel/OffP"	14-2
White "Neutral"	1G-38 (Bedroom 2/3 Bath: Heater)	"Bedroom 2/3 Bath Heater SSR" 1	Relay, Solid State (25A) #3 NO Input / Neutral
Black "Hot"	1G-38 (Bedroom 2/3 Bath: Heater)	"Bedroom 2/3 Bath Heater SSR" 1	Relay, Solid State (25A) #3 NO Input / 1 (Output)
1G-59		To/From: "Blue/CB-Panel"	14-2
White "Hot (Pole 2)"	1G-59 Blue: Dimmed LV LED Lights	LED Lighting 24 Vdc Power 1	Power Supply, 24 Vdc, 480W DIN Power In (120/240 Vac) / N
Black	1G-59	LED Lighting 24 Vdc Power	Power Supply, 24 Vdc, 480W DIN

1

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### **Cable Wire Device Connections**

## Blue/GP-Panel

Circuit ID Device Name Device Type
Cable Wires Circuit Name Terminal Wire Count Device Terminal Connection

1G-60 To/From: No External Connections 18-2

### Black

"24 Vdc Return"

1G-60 LED Lighting 24 Vdc Power	LED Lighting 24 Vdc Power  1	Power Supply, 24 Vdc, 480W DIN Power Output / -
1G-60 LED Lighting 24 Vdc Power	"Dimmer (Lower Stair: Ceiling & Lounge Bar: Counter)"	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / A: Com-
1G-60 LED Lighting 24 Vdc Power	"Dimmer (Lower Stair: Ceiling & Lounge Bar: Counter)"	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / B: Com-
1G-60 LED Lighting 24 Vdc Power	"Dimmer (Photo Booth: Front & Overhaed)"  1	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / A: Com-
1G-60 LED Lighting 24 Vdc Power	"Dimmer (Photo Booth: Front & Overhaed)"  1	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / B: Com-
1G-60 LED Lighting 24 Vdc Power	"Dimmer (-spare- & BR 2/3 Bath: Toe Kick)"  1	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / A: Com-
1G-60 LED Lighting 24 Vdc Power	"Dimmer (-spare- & BR 2/3 Bath: Toe Kick)"	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / B: Com-
1G-60 LED Lighting 24 Vdc Power	"Dimmer (Driveway: Railing & Walkout Patio: Railing)"	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / A: Com-
1G-60 LED Lighting 24 Vdc Power	"Dimmer (Driveway: Railing & Walkout Patio: Railing)"  1	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / B: Com-

#### Red

"+24 Vdc"

1G-60 LED Lighting 24 Vdc Power	LED Lighting 24 Vdc Power 1	Power Supply, 24 Vdc, 480W DIN Power Output / +
	"Dimmer (Lower Stair: Ceiling & Lounge Bar: Counter)"	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / A: Pwr+
1G-60 LED Lighting 24 Vdc Power	"Dimmer (Lower Stair: Ceiling & Lounge Bar: Counter)"	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / B: Pwr+
1G-60 LED Lighting 24 Vdc Power	"Dimmer (Photo Booth: Front & Overhaed)" 1	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / A: Pwr+
1G-60 LED Lighting 24 Vdc Power	"Dimmer (Photo Booth: Front & Overhaed)" 1	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / B: Pwr+
1G-60 LED Lighting 24 Vdc Power	"Dimmer (-spare- & BR 2/3 Bath: Toe Kick)"	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / A: Pwr+
1G-60 LED Lighting 24 Vdc Power	"Dimmer (-spare- & BR 2/3 Bath: Toe Kick)" 1	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / B: Pwr+
1G-60 LED Lighting 24 Vdc Power	"Dimmer (Driveway: Railing & Walkout Patio: Railing)"	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / A: Pwr+
1G-60 LED Lighting 24 Vdc Power	"Dimmer (Driveway: Railing & Walkout Patio: Railing)"	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / B: Pwr+

#### 1G-A07

Red "+24 Vdc" To/From: "White/CN-Panel/2"

1G-A07 Relay, Solid State (25A) #1 "Changing Room A Heater SSR" Changing Room A Heater Drive Control In / 3 (Input +) 1G-A08 "Changing Room B Heater SSR" Relay, Solid State (25A) #2 Changing Room B Heater Drive Control In / 3 (Input +) 1G-A09 "Bedroom 2/3 Bath Heater SSR" Relay, Solid State (25A) #3 Bedroom 2/3 Bath Heater Drive Control In / 3 (Input +) Relay, Solid State (25A) #4 1G-A10 "Lounge Bar Instant Hot SSR" Lounge: Instant Hot Drive Control In / 3 (Input +) 1G-A11 "Bedroom 2/3 Bath Heater SSR" Relay, Solid State (25A) #5 Bedroom 2/3 Bath: Towel Warmer Drive Control In / 3 (Input +)

White	
"Switched"	

1G-A07	"Changing Room A Heater SSR"	Relay, Solid State (25A) #1
Changing Room A Heater Drive	1	Control In / 4 (Input -)

# Blue/GP-Panel

# **Cable Wire Device Connections**

Cable Wires	Circuit ID	Device Name	Device Type
	Circuit Name	Terminal Wire Count	Device Terminal Connection
Green "Switched"	1G-A08	"Changing Room B Heater SSR"	Relay, Solid State (25A) #2
	Changing Room B Heater Drive	1	Control In / 4 (Input -)
Brown "Switched"	1G-A09	"Bedroom 2/3 Bath Heater SSR"	Relay, Solid State (25A) #3
	Bedroom 2/3 Bath Heater Drive	1	Control In / 4 (Input -)
Blue	1G-A10	"Lounge Bar Instant Hot SSR"	Relay, Solid State (25A) #4
"Switched"	Lounge: Instant Hot Drive	1	Control In / 4 (Input -)
Orange	1G-A11	"Bedroom 2/3 Bath Heater SSR"	Relay, Solid State (25A) #5
"Switched"	Bedroom 2/3 Bath: Towel Warm	ner Drive 1	Control In / 4 (Input -)
1G-A33		To/From: "White/CN-Panel/2"	22-4 (S)
Black	1G-A33	"Enclosure Vent Fan & Temp Sensor"	Fan & Sensor Kit, Cabinet
"Return"	Blue GP: Cabinet Fan Drive	1	Fan Power In / Fan -
Red	1G-A33	"Enclosure Vent Fan & Temp Sensor"	Fan & Sensor Kit, Cabinet
"Signal"	Blue GP: Cabinet Fan Drive	1	Fan Power In / Fan +
White "Select"	1G-S21 Blue GP: Cabinet Temperature	"Enclosure Vent Fan & Temp Sensor" 1	Fan & Sensor Kit, Cabinet Temp Sensor Output / (Sensor) +
Green	1G-S21	"Enclosure Vent Fan & Temp Sensor"	Fan & Sensor Kit, Cabinet
"Signal"	Blue GP: Cabinet Temperature	1	Temp Sensor Output / (Sensor) -
Shield "Shield"	1G-S21	"Enclosure Vent Fan & Temp Sensor"	Fan & Sensor Kit, Cabinet
	Blue GP: Cabinet Temperature	1	Temp Sensor Output / GND
1G-A45		To/From: "White/CN-Panel/2"	22-4
Red "+24 Vdc"	1G-A45 "Erm Shop Lighting Transfer Drive	erg Lighting: Shop: Work Area Lights 24 Vdc DPDT"  1	Relay, DPDT, 24 Vdc (Plug-In) Control In / Coil +(TA)
White "Switched"	1G-A45 "Erm Shop Lighting Transfer Drive	erg Lighting: Shop: Work Area Lights 24 Vdc DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) Control In / Coil -(TB)
1G-T03		To/From: Lounge Bar	12-2
White "Power Return"	1G-T03 "Din Lounge: LV LED Counter Lightin	nmer (Lower Stair: Ceiling & Lounge Bar: Counter)" ng 1	Dimmer, Type 2, Dual 5A #1 Power Output / B: Com-
Black	1G-T03 "Din	nmer (Lower Stair: Ceiling & Lounge Bar: Counter)"	Dimmer, Type 2, Dual 5A #1 Power Output / B: Load+
"+24 Vdc"	Lounge: LV LED Counter Lightin	ng 1	
1G-T04a		To/From: Photo Booth	12-2
White "Power Return"	1G-T04a Photo Booth: LED Overhead Pu	"Dimmer (Photo Booth: Front & Overhaed)" ick Lighting (a) 2	Dimmer, Type 2, Dual 5A #2 Power Output / A: Com-
Black	1G-T04a	"Dimmer (Photo Booth: Front & Overhaed)"	Dimmer, Type 2, Dual 5A #2 Power Output / A: Load+
"+24 Vdc"	Photo Booth: LED Overhead Pu	ick Lighting (a) 2	
1G-T04b		To/From: Photo Booth	14-2
White	1G-T04b	"Dimmer (Photo Booth: Front & Overhaed)"	Dimmer, Type 2, Dual 5A #2
"Neutral"	Photo Booth: LED Overhead Pu	ick Lighting (b)   2	Power Output / A: Com-
Black	1G-T04b	"Dimmer (Photo Booth: Front & Overhaed)"	Dimmer, Type 2, Dual 5A #2
"Switched"	Photo Booth: LED Overhead Pu	ack Lighting (b) 2	Power Output / A: Load+

# Blue/GP-Panel

Cable Wires	Circuit ID Device Name Circuit Name Terminal Wire Count	Device Type Device Terminal Connection
1G-T05	To/From: Lounge Bar	12-2
White "Power Return"	1G-T05 "Dimmer (Photo Booth: Front & Overhaed)" Photo Booth: LV LED Front Lighting 1	Dimmer, Type 2, Dual 5A #2 Power Output / B: Com-
Black "+24 Vdc"	1G-T05 "Dimmer (Photo Booth: Front & Overhaed)" Photo Booth: LV LED Front Lighting 1	Dimmer, Type 2, Dual 5A #2 Power Output / B: Load+
1H-08	To/From: Changing Room A	12-2
White "Neutral"	1H-08 "Changing Room A Heater SSR" Changing Room A: Heater 1	Relay, Solid State (25A) #1 Power Output / Neutral
Black "Switched"	1H-08 "Changing Room A Heater SSR" Changing Room A: Heater 1	Relay, Solid State (25A) #1 Power Output / 2 (Output)
1H-09	To/From: Changing Room B	12-2
White "Neutral"	1H-09 "Changing Room B Heater SSR" Changing Room B: Heater 1	Relay, Solid State (25A) #2 Power Output / Neutral
Black "Switched"	1H-09 "Changing Room B Heater SSR" Changing Room B: Heater 1	Relay, Solid State (25A) #2 Power Output / 2 (Output)
1K-04	To/From: Shop	14-2
White "Neutral"	1K-04 "Ermerg Lighting: Shop: Work Area Lights 24 Vdc DPDT" Shop: Work Area Lights B (Aux) 1	Relay, DPDT, 24 Vdc (Plug-In) Output / Com 2 (T9)
Black "Switched"	1K-04 "Ermerg Lighting: Shop: Work Area Lights 24 Vdc DPDT" Shop: Work Area Lights B (Aux) 1	Relay, DPDT, 24 Vdc (Plug-In) Output / Com 1 (T7)
1M-01	To/From: "White/XL-Dim"	14-2
White "Neutral"	1M-01 "Dimmer (Lower Stair: Ceiling & Lounge Bar: Counter)" Lower Stairway: Ceiling Lights 1	Dimmer, Type 1, Dual 4A Control In / A: AC1
Black "Switched"	1M-01 "Dimmer (Lower Stair: Ceiling & Lounge Bar: Counter)" Lower Stairway: Ceiling Lights 1	Dimmer, Type 1, Dual 4A Control In / A: AC2
1M-T01	To/From: Lower Stairway	14-2
White "Neutral"	1M-T01 "Dimmer (Lower Stair: Ceiling & Lounge Bar: Counter)" Lower Stairway: LV LED Ceiling Lighting 1	Dimmer, Type 2, Dual 5A #1 Power Output / A: Com-
Black "Switched"	1M-T01 "Dimmer (Lower Stair: Ceiling & Lounge Bar: Counter)" Lower Stairway: LV LED Ceiling Lighting 1	Dimmer, Type 2, Dual 5A #1 Power Output / A: Load+
2G-06	To/From: "White/XL-Dim"	14-2
White "Neutral"	2G-06 "Dimmer 10A (Lower Stairway: LV LED Tread)" Lower Stairway: LV LED Tread Lighting 1	Dimmer, Single 10A Control In / : AC2
Black "Switched"	2G-06 "Dimmer 10A (Lower Stairway: LV LED Tread)" Lower Stairway: LV LED Tread Lighting 1	Dimmer, Single 10A Control In / : AC1
2G-09	To/From: BR 2/3 Bath	14-2
White "Neutral"	2G-09 "Bedroom 2/3 Bath Heater SSR" BR 2/3 Bath: Heater 1	Relay, Solid State (25A) #3 Power Output / Neutral

### Blue/GP-Panel

Circuit ID Device Name Device Type Circuit Name **Terminal Wire Count Cable Wires Device Terminal Connection** 2G-09 "Bedroom 2/3 Bath Heater SSR' Relay, Solid State (25A) #3 Black BR 2/3 Bath: Heater Power Output / 2 (Output) "Switched" To/From: BR 2/3 Bath 14-2 2G-11 2G-11 "Bedroom 2/3 Bath Heater SSR" Relay, Solid State (25A) #5 White BR 2/3 Bath: Towel Warmer Power Output / Neutral "Neutral" 2G-11 Relay, Solid State (25A) #5 "Bedroom 2/3 Bath Heater SSR" Black BR 2/3 Bath: Towel Warmer Power Output / 2 (Output) "Switched" 14-2 2G-17 To/From: "Blue/XL-Dim 2G-17 White "Dimmer (-spare- & BR 2/3 Bath: Toe Kick)" Dimmer, Type 1, Dual 4A BR 2/3 Bath: Toe-Kick Light Control In / B: AC1 "Neutral" "Dimmer (-spare- & BR 2/3 Bath: Toe Kick)" Dimmer, Type 1, Dual 4A BR 2/3 Bath: Toe-Kick Light Control In / B: AC2 "Switched" 14-2 2G-T06 To/From: Lower Stairway 2G-T06 White "Dimmer 10A (Lower Stairway: LV LED Tread)" Dimmer, Single 10A Lower Stairway: LV LED Tread Lighting Power Output /: Com-"Power Return" "Dimmer 10A (Lower Stairway: LV LED Tread)" Dimmer, Single 10A Black Lower Stairway: LV LED Tread Lighting Power Output / : Load+ "+24 Vdc" 2G-T17 14-2 To/From: BR 2/3 Bat 2G-T17 "Dimmer (-spare- & BR 2/3 Bath: Toe Kick)" Dimmer, Type 1, Dual 4A White BR 2/3 Bath: LV LED Toe-Kick Lighting Power Output / B: Com-"Power Return" "Dimmer (-spare- & BR 2/3 Bath: Toe Kick)" Black Dimmer, Type 1, Dual 4A BR 2/3 Bath: LV LED Toe-Kick Lighting Power Output / B: Load+ "+24 Vdc" 2L-10 "White/XL-Dim 14-2 2L-10 "Dimmer (Driveway: Railing & Walkout Patio: Railing)" White Dimmer, Type 1, Dual 4A Driveway: Railing Lighting Control In / A: AC1 "Neutral" "Dimmer (Driveway: Railing & Walkout Patio: Railing)" Black Dimmer, Type 1, Dual 4A Driveway: Railing Lighting Control In / A: AC2 "Switched" 2L-T10 To/From: 14-2 2L-T10 White "Dimmer (Driveway: Railing & Walkout Patio: Railing)" Dimmer, Type 2, Dual 5A #3 Driveway: Railing Lighting Power Output / A: Com-"Neutral 2L-T10 "Dimmer (Driveway: Railing & Walkout Patio: Railing)" Dimmer, Type 2, Dual 5A #3 Black Driveway: Railing Lighting Power Output / A: Load+ "Switched" 14-2 2M-11 To/From: "Blue/XL-HVRB White "Landscape Lighting Transformer, North" Transformer, 12 Vac, 100W (8A) Blue Utility Area: North Landscape Lighting Power In (120 Vac) / Primary B "Neutral" Black "Landscape Lighting Transformer, North" Transformer, 12 Vac, 100W (8A) Blue Utility Area: North Landscape Lighting Power In (120 Vac) / Primary A "Switched"

"Switched"

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## **Cable Wire Device Connections**

## Blue/GP-Panel

Device Type Device Terminal Connection Circuit ID Device Name **Cable Wires** Circuit Name Terminal Wire Count 2M-18 14-2 To/From: 2M-18 "Dimmer (Driveway: Railing & Walkout Patio: Railing)" Dimmer, Type 1, Dual 4A White Walkout Patio: Railing Lighting Control In / B: AC1 "Neutral" 2M-18 "Dimmer (Driveway: Railing & Walkout Patio: Railing)" Dimmer, Type 1, Dual 4A Black Walkout Patio: Railing Lighting Control In / B: AC2 "Switched" 2M-T11 10-2 To/From: Walkout Patio 2M-T11 Transformer, 12 Vac, 100W (8A) "Landscape Lighting Transformer, North" White Stone Stairs: Landscape Lighting Power Output / Secondary A "Line A" 2M-T11 Black "Landscape Lighting Transformer, North" Transformer, 12 Vac, 100W (8A) Stone Stairs: Landscape Lighting Power Output / Secondary B "Line B" 14-2 2M-T18 To/From: Patio 2M-T18 "Dimmer (Driveway: Railing & Walkout Patio: Railing)" Dimmer, Type 2, Dual 5A #3 White Patio: Railing Lighting Power Output / B: Com-"Neutral" 2M-T18 Black "Dimmer (Driveway: Railing & Walkout Patio: Railing)" Dimmer, Type 2, Dual 5A #3 Patio: Railing Lighting Power Output / B: Load+