

Cable Wire Device Connections

Orange/GP-Panel

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
2D-04 To/From: Kitchen 14-2			
White "Neutral"	2D-04 Kitchen: Cooking Area Recessed (Aux)	"Kitchen: Cooking Area Recessed DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #1 Output / Com 2 (T9)
Black "Switched"	2D-04 Kitchen: Cooking Area Recessed (Aux)	"Kitchen: Cooking Area Recessed DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #1 Output / Com 1 (T7)
2D-32 To/From: "Orange/XL-Dim/2" 14-3			
White "Neutral"	2D-32 Kitchen: LV LED Vault Lighting - Inner	"Dimmer (Kitchen: Vaulted Ceiling Outer & Inner)" 1	Dimmer, Type 1, Dual 4A Control In / B: AC1
	2D-33 Kitchen: LV LED Vault Lighting - Outer	"Dimmer (Kitchen: Vaulted Ceiling Outer & Inner)" 1	Dimmer, Type 1, Dual 4A Control In / A: AC2
Black "Switched"	2D-32 Kitchen: LV LED Vault Lighting - Inner	"Dimmer (Kitchen: Vaulted Ceiling Outer & Inner)" 1	Dimmer, Type 1, Dual 4A Control In / B: AC2
Red "Switched"	2D-33 Kitchen: LV LED Vault Lighting - Outer	"Dimmer (Kitchen: Vaulted Ceiling Outer & Inner)" 1	Dimmer, Type 1, Dual 4A Control In / A: AC1
2D-T32 To/From: Kitchen 14-2			
White "Return"	2D-T32 Kitchen: LV LED Vaulted Ceiling Lighting - Inner	"Dimmer (Kitchen: Vaulted Ceiling Outer & Inner)" 1	Dimmer, Type 1, Dual 4A Power Output / B: Com-
Black "Supply"	2D-T32 Kitchen: LV LED Vaulted Ceiling Lighting - Inner	"Dimmer (Kitchen: Vaulted Ceiling Outer & Inner)" 1	Dimmer, Type 1, Dual 4A Power Output / B: Load+
2D-T33 To/From: Kitchen 14-2			
White "Neutral"	2D-T33 Kitchen: LV LED Vaulted Ceiling Lighting - Outer	"Dimmer (Kitchen: Vaulted Ceiling Outer & Inner)" 1	Dimmer, Type 1, Dual 4A Power Output / A: Com-
Black "Switched"	2D-T33 Kitchen: LV LED Vaulted Ceiling Lighting - Outer	"Dimmer (Kitchen: Vaulted Ceiling Outer & Inner)" 1	Dimmer, Type 1, Dual 4A Power Output / A: Load+
2H-03 To/From: Garage 14-2			
White "Neutral"	2H-03 Garage: Parking Area Lights (Aux)	"Garage: Parking Area Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #2 Output / Com 2 (T9)
Black "Switched"	2H-03 Garage: Parking Area Lights (Aux)	"Garage: Parking Area Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #2 Output / Com 1 (T7)
2H-15 To/From: "Orange/XL-Dim/2" 14-3			
White "Neutral"	2H-15 (Lakeside Room: Rec. Lights Feed)	"Lakeside Room Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #4 Input / NC 2 (T3)
	2H-16 (Upper Bar: Recessed Lights Feed)	"Upper Bar: Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #3 Input / NC 2 (T3)
Black "Switched"	2H-15 (Lakeside Room: Rec. Lights Feed)	"Lakeside Room Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #4 Input / NC 1 (T1)
Red "Switched"	2H-16 (Upper Bar: Recessed Lights Feed)	"Upper Bar: Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #3 Input / NC 1 (T1)

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2H-17 To/From: "Orange/XL-Dim/2" 14-2			
White "Neutral"	2H-17 (Upper Bath: Recessed Lights Feed)	"Upper Bath: Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #5 Input / NC 2 (T3)
Black "Switched"	2H-17 (Upper Bath: Recessed Lights Feed)	"Upper Bath: Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #5 Input / NC 1 (T1)
2H-18 To/From: "Orange/XL-Dim/1" 14-2			
White "Neutral"	2H-18 (Kitchen: Cooking Area Recessed (Aux))	"Kitchen: Cooking Area Recessed DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #1 Input / NC 2 (T3)
Black "Switched"	2H-18 (Kitchen: Cooking Area Recessed (Aux))	"Kitchen: Cooking Area Recessed DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #1 Input / NC 1 (T1)
2H-19 To/From: "Orange/XL-HVRB" 14-2			
White "Neutral"	2H-19 (Garage: Parking Area Lights (Aux))	"Garage: Parking Area Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #2 Input / NC 2 (T3)
Black "Switched"	2H-19 (Garage: Parking Area Lights (Aux))	"Garage: Parking Area Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #2 Input / NC 1 (T1)
2H-20 To/From: "Yellow/CB-Panel/Emer" 14-2			
White "Neutral"	2H-20 (Emergency Lighting)	"Lakeside Room Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #4 Input / NO 2 (T6)
	2H-20 (Emergency Lighting)	"Garage: Parking Area Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #2 Input / NO 2 (T6)
	2H-20 (Emergency Lighting)	"Upper Bar: Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #3 Input / NO 2 (T6)
	2H-20 (Emergency Lighting)	"Kitchen: Cooking Area Recessed DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #1 Input / NO 2 (T6)
	2H-20 (Emergency Lighting)	"Upper Bath: Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #5 Input / NO 2 (T6)
Black "Hot"	2H-20 (Emergency Lighting)	"Lakeside Room Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #4 Input / NO 1 (T4)
	2H-20 (Emergency Lighting)	"Garage: Parking Area Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #2 Input / NO 1 (T4)
	2H-20 (Emergency Lighting)	"Upper Bar: Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #3 Input / NO 1 (T4)
	2H-20 (Emergency Lighting)	"Kitchen: Cooking Area Recessed DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #1 Input / NO 1 (T4)
	2H-20 (Emergency Lighting)	"Upper Bath: Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #5 Input / NO 1 (T4)
2H-33 To/From: "Orange/CB-Panel" 14-2			
White "Neutral"	2H-33 Orange: GP General Power	"LED Lighting 24 Vdc Power, Upper Stairs: Tread" 1	Power Supply, 24 Vdc, 60W DIN Power In (120/240 Vac) / N
	2H-33 Orange: GP General Power	"LED Lighting 24 Vdc Power, Kitchen: Vaulted Ceiling" 1	Power Supply, 24 Vdc, 60W DIN Power In (120 Vac) / N
Black "Hot"	2H-33 Orange: GP General Power	"LED Lighting 24 Vdc Power, Upper Stairs: Tread" 1	Power Supply, 24 Vdc, 60W DIN Power In (120/240 Vac) / L
	2H-33 Orange: GP General Power	"LED Lighting 24 Vdc Power, Kitchen: Vaulted Ceiling" 1	Power Supply, 24 Vdc, 60W DIN Power In (120 Vac) / L

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2H-41 To/From: No External Connections 18-2			
Black "Return"	2H-41 Orange: LED 24v Supply 1	"LED Lighting 24 Vdc Power, Upper Stairs: Tread" 1	Power Supply, 24 Vdc, 60W DIN Power Output / -
	2H-41 Orange: LED 24v Supply 1	"Dimmer 10A (Upper Stairs: Tread)" 1	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / : Com-
Red "Supply"	2H-41 Orange: LED 24v Supply 1	"LED Lighting 24 Vdc Power, Upper Stairs: Tread" 1	Power Supply, 24 Vdc, 60W DIN Power Output / +
	2H-41 Orange: LED 24v Supply 1	"Dimmer 10A (Upper Stairs: Tread)" 1	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / : Pwr+
2H-42 To/From: No External Connections 18-2			
Black "24V DC Return"	2H-42 Orange: LED 24v Supply 2	"Dimmer (Kitchen: Vaulted Ceiling Outer & Inner)" 1	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / A: Com-
	2H-42 Orange: LED 24v Supply 2	"LED Lighting 24 Vdc Power, Kitchen: Vaulted Ceiling" 1	Power Supply, 24 Vdc, 60W DIN Power Output / -
	2H-42 Orange: LED 24v Supply 2	"Dimmer (Kitchen: Vaulted Ceiling Outer & Inner)" 1	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / B: Com-
Red "+24V DC"	2H-42 Orange: LED 24v Supply 2	"Dimmer (Kitchen: Vaulted Ceiling Outer & Inner)" 1	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / A: Pwr+
	2H-42 Orange: LED 24v Supply 2	"LED Lighting 24 Vdc Power, Kitchen: Vaulted Ceiling" 1	Power Supply, 24 Vdc, 60W DIN Power Output / +
	2H-42 Orange: LED 24v Supply 2	"Dimmer (Kitchen: Vaulted Ceiling Outer & Inner)" 1	Dimmer, Type 1, Dual 4A Power In (12 / 24 Vdc) / B: Pwr+
2H-49 To/From: "Orange/XL-HVRB" 14-3			
White "Neutral"	2H-49 Garage: Heat Tape Power Status	"Roof Tape Power Monitor Relay" 1	Relay, 3PDT, 120 Vac (Plug-In) Control In / Coil- (TB)
Black "Hot"	2H-49 Garage: Heat Tape Power Status	"Roof Tape Power Monitor Relay" 1	Relay, 3PDT, 120 Vac (Plug-In) Control In / Coil+ (TA)
2H-A23 To/From: "White/CN-Panel/2" 22-4 (S)			
Black "Signal"	2H-A23 Orange GP: Cabinet Fan Drive	"Enclosure Vent Fan & Temp Sensor" 1	Fan & Sensor Kit, Cabinet Fan Power In / Fan -
Red "Power"	2H-A23 Orange GP: Cabinet Fan Drive	"Enclosure Vent Fan & Temp Sensor" 1	Fan & Sensor Kit, Cabinet Fan Power In / Fan +
White "Select"	2H-S07 Orange GP: Cabinet Temperature	"Enclosure Vent Fan & Temp Sensor" 1	Fan & Sensor Kit, Cabinet Temp Sensor Output / (Sensor) +
Green "Signal"	2H-S07 Orange GP: Cabinet Temperature	"Enclosure Vent Fan & Temp Sensor" 1	Fan & Sensor Kit, Cabinet Temp Sensor Output / (Sensor) -
Shield "Shield"	2H-S07 Orange GP: Cabinet Temperature	"Enclosure Vent Fan & Temp Sensor" 1	Fan & Sensor Kit, Cabinet Temp Sensor Output / GND

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2H-A35>39 To/From: "White/CN-Panel/2" 22-8			
Red "+24 Vdc"	2H-A35 Kitchen Lighting Transfer Drive	"Kitchen: Cooking Area Recessed DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #1 Control In / Coil+ (TA)
	2H-A36 Garage Lighting Transfer Drive	"Garage: Parking Area Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #2 Control In / Coil -(TB)
	2H-A37 Upper Bar Lighting Transfer Drive	"Upper Bar: Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #3 Control In / Coil- (TB)
	2H-A38 Lakeside Room Lighting Transfer Drive	"Lakeside Room Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #4 Control In / Coil +(TA)
	2H-A39 Upper Bath Lighting Transfer Drive	"Upper Bath: Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #5 Control In / Coil +(TA)
White "Switched"	2H-A35 Kitchen Lighting Transfer Drive	"Kitchen: Cooking Area Recessed DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #1 Control In / Coil- (TB)
Green "Switched"	2H-A36 Garage Lighting Transfer Drive	"Garage: Parking Area Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #2 Control In / Coil +(TA)
Brown "Switched"	2H-A37 Upper Bar Lighting Transfer Drive	"Upper Bar: Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #3 Control In / Coil+ (TA)
Blue "Switched"	2H-A38 Lakeside Room Lighting Transfer Drive	"Lakeside Room Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #4 Control In / Coil -(TB)
Orange "Switched"	2H-A39 Upper Bath Lighting Transfer Drive	"Upper Bath: Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #5 Control In / Coil -(TB)
2K-02 To/From: "Orange/XL-Dim/1" 14-2			
White "Neutral"	2K-02 Upper Stairway: LV LED Tread Lighting	"Dimmer 10A (Upper Stairs: Tread)" 1	Dimmer, Type 1, Dual 4A Control In / : AC1
Black "Switched"	2K-02 Upper Stairway: LV LED Tread Lighting	"Dimmer 10A (Upper Stairs: Tread)" 1	Dimmer, Type 1, Dual 4A Control In / : AC2
2K-T02 To/From: Upper Stairway 14-2			
White "24V DC Return"	2K-T02 Upper Stairway: Tread Lighting	"Dimmer 10A (Upper Stairs: Tread)" 1	Dimmer, Single 10A Power Output / : Com-
Black "+24V DC"	2K-T02 Upper Stairway: Tread Lighting	"Dimmer 10A (Upper Stairs: Tread)" 1	Dimmer, Single 10A Power Output / : Load+
2L-A09 To/From: Front Porch 22-4			
Black "Return"	2L-A09 Front Porch: Roof Heat Status Indicator (Red)	"Roof Tape Power Monitor Relay" 1	Relay, 3PDT, 120 Vac (Plug-In) Relay NC / Neutral
	2L-A10 Front Porch: Roof Heat Status Indicator (Green)	"Roof Tape Power Monitor Relay" 1	Relay, 3PDT, 120 Vac (Plug-In) Relay NO / Neutral
Red "+Red"	2L-A09 Front Porch: Roof Heat Status Indicator (Red)	"Roof Tape Power Monitor Relay" 1	Relay, 3PDT, 120 Vac (Plug-In) Relay NC / NC 3 (T3)
Green "+Green"	2L-A10 Front Porch: Roof Heat Status Indicator (Green)	"Roof Tape Power Monitor Relay" 1	Relay, 3PDT, 120 Vac (Plug-In) Relay NO / NO 3 (T6)

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3A-01/02			
To/From: Lakeside Rm & Another 14-2/2			
White "Neutral"	3A-02 Lakeside Rm: Recessed Lights	"Lakeside Room Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #4 Output / Com 2 (T9)
Black "Switched"	3A-02 Lakeside Rm: Recessed Lights	"Lakeside Room Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #4 Output / Com 1 (T7)
White/Red "Neutral"	3A-01 Upper Bar: Recessed Lights	"Upper Bar: Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #3 Output / Com 2 (T9)
Red "Switched"	3A-01 Upper Bar: Recessed Lights	"Upper Bar: Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #3 Output / Com 1 (T7)
3A-15			
To/From: Upper Bath 14-2			
White "Neutral"	3A-15 Upper Bath: Recessed Lights	"Upper Bath: Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #5 Output / Com 2 (T9)
Black "Switched"	3A-15 Upper Bath: Recessed Lights	"Upper Bath: Recessed Lights DPDT" 1	Relay, DPDT, 24 Vdc (Plug-In) #5 Output / Com 1 (T7)