

Power Supply, 24 Vdc, 100W DIN	"LED Lighting 24 Vdc Power, Kitchen: Vaulted Ceiling"	Lambda: DSP100-24
		Tag Number 1097

Power In (120 Vac) / #1

One other connection in panel.

Orange: GP General Power

Power Supply, 24 Vdc, 60W DIN

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-33	14-2	Orange: GP General Power	3	2H-33	14	Black	Hot	L
2H-33			Orange/CB-Panel	2H-33	14	White	Neutral	N

Power Output

2 other connections in panel.

Orange: LED 24v Supply 2

Power Supply, 24 Vdc, 60W DIN

Output On

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-42	18-2	Orange: LED 24v Supply 2	3	2H-42	18	Red	+24V DC	+
2H-42			This Panel Only	2H-42	18	Black	24V DC Return	-

Power Supply, 24 Vdc, 240W DIN	"LED Lighting 24 Vdc Power, Upper Stairs: Tread"	Lambda: DLP240-24
		Tag Number 0206

Power In (120/240 Vac)

One other connection in panel.

Orange: GP General Power

Power Supply, 24 Vdc, 60W DIN

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-33	14-2	Orange: GP General Power	3	2H-33	14	Black	Hot	L
2H-33			Orange/CB-Panel	2H-33	14	White	Neutral	N

Power Output

One other connection in panel.

Orange: LED 24v Supply 1

Power Supply, 24 Vdc, 60W DIN

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-41	18-2	Orange: LED 24v Supply 1	3	2H-41	18	Red	Supply	+
2H-41			This Panel Only	2H-41	18	Black	Return	-

Change

Output

Fan & Sensor Kit, Cabinet	"Enclosure Vent Fan & Temp Sensor"	JTB: 1010-3	Tag Number 1134
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Fan Power In

Orange GP: Cabinet Fan Drive

Fan & Sensor Kit, Cabinet

Output Address = J2:(1)Y2

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A23	22-4 (S)	Orange GP: Cabinet Fan Drive	31	2H-A23	22	Red	Power	Fan +
2H-A23			White/CN-Panel/2	2H-A23	22	Black	Signal	Fan -

Temp Sensor Output

Orange GP: Cabinet Temperature

Fan & Sensor Kit, Cabinet

Input Address = J2:(1)X2

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-S07	22-4 (S)	Orange GP: Cabinet Temperature	31	2H-A23	22	White	Select	(Sensor) +
2H-A23			White/CN-Panel/2	2H-A23	22	Green	Signal	(Sensor) -
				2H-A23	22	Shield	Shield	GND

Dimmer, Type 1, Dual 4A	"Dimmer (Kitchen: Vaulted Ceiling Outer & Inner)"	JTB: 1002	Tag Number 1077
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Power In (12 / 24 Vdc) / A

2 other connections in panel.

Orange: LED 24v Supply 2

Dimmer, Type 1, Dual 4A

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-42	18-2	Orange: LED 24v Supply 2	3	2H-42	18	Red	+24V DC	A: Pwr+
2H-42			This Panel Only	2H-42	18	Black	24V DC Return	A: Com-

Power In (12 / 24 Vdc) / B

2 other connections in panel.

Orange: LED 24v Supply 2

Dimmer, Type 1, Dual 4A

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-42	18-2	Orange: LED 24v Supply 2	3	2H-42	18	Red	+24V DC	B: Pwr+
2H-42			This Panel Only	2H-42	18	Black	24V DC Return	B: Com-

Power Output / A

Kitchen: LV LED Vaulted Ceiling Lighting - Outer

Dimmer, Type 1, Dual 4A

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2D-T33	14-2	Kitchen: LV LED Vaulted Ceiling Lighting - Outer	33	2D-T33	14	Black	Switched	A: Load+
2D-T33			Kitchen	2D-T33	14	White	Neutral	A: Com-

Power Output / B

Kitchen: LV LED Vaulted Ceiling Lighting - Inner

Dimmer, Type 1, Dual 4A

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2D-T32	14-2	Kitchen: LV LED Vaulted Ceiling Lighting - Inner	33	2D-T32	14	Black	Supply	B: Load+
2D-T32			Kitchen	2D-T32	14	White	Return	B: Com-

Control In / A

Kitchen: LV LED Vault Lighting - Outer

Dimmer, Type 1, Dual 4A

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2D-33	14-3	Kitchen: LV LED Vault Lighting - Outer	7	2D-32	14	Red	Switched	A: AC1
2D-32			Orange/XL-Dim/2	2D-32	14	White	Neutral	A: AC2

Control In / B

Kitchen: LV LED Vault Lighting - Inner

Dimmer, Type 1, Dual 4A

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2D-32	14-3	Kitchen: LV LED Vault Lighting - Inner	7	2D-32	14	White	Neutral	B: AC1
2D-32			Orange/XL-Dim/2	2D-32	14	Black	Switched	B: AC2

Change

Change

Output MCP:2-(2)047

Output MCP:2-(2)046

Output Address = MCP:2-(2)047

Output Address = MCP:2-(2)046

Dimmer, Single 10A	"Dimmer 10A (Upper Stairs: Tread)"	JT B: 1004	Tag Number 1104
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Power In (12 / 24 Vdc)

One other connection in panel.

Orange: LED 24v Supply 1

Dimmer, Type 1, Dual 4A

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-41	18-2	Orange: LED 24v Supply 1	3	2H-41	18	Red	Supply	: Pwr+
2H-41			This Panel Only	2H-41	18	Black	Return	: Com-

Power Output

Dimmer, Single 10A

Upper Stairway: Tread Lighting

Output

Change

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2K-T02	14-2	Upper Stairway: Tread Lighting	17	2K-T02	14	Black	+24V DC	: Load+
2K-T02			Upper Stairway	2K-T02	14	White	24V DC Return	: Com-

Control In

Dimmer, Type 1, Dual 4A

Upper Stairway: LV LED Tread Lighting

Output Address = MCP:2-(1)023

Change

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2K-02	14-2	Upper Stairway: LV LED Tread Lighting	7	2K-02	14	White	Neutral	: AC1
2K-02			Orange/XL-Dim/1	2K-02	14	Black	Switched	: AC2

Relay, DPDT, 24 Vdc (Plug-In) (1 of 5)	"Kitchen: Cooking Area Recessed DPDT"	Potter & Brumfield: KUP-11D15-24
		Tag Number 0057

Input

(Kitchen: Cooking Area Recessed (Aux))

Relay, DPDT, 24 Vdc (Plug-In) #1

Output Address = MCP:2-(1)002

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-18	14-2	(Kitchen: Cooking Area Recessed (Aux))	7	2H-18	14	Black	Switched	NC 1 (T1)
2H-18			Orange/XL-Dim/1	2H-18	14	White	Neutral	NC 2 (T3)

Input

4 other connections in panel.

(Emergency Lighting)

Relay, DPDT, 24 Vdc (Plug-In) #1

Input On

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-20	14-2	(Emergency Lighting)	23	2H-20	14	Black	Hot	NO 1 (T4)
2H-20			Yellow/CB-Panel/Emer	2H-20	14	White	Neutral	NO 2 (T6)

Output

Kitchen: Cooking Area Recessed (Aux)

Relay, DPDT, 24 Vdc (Plug-In) #1

Output C1:Y202 {on: On; off: MCP:2-(1)002}

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2D-04	14-2	Kitchen: Cooking Area Recessed (Aux)	36	2D-04	14	Black	Switched	Com 1 (T7)
2D-04			Kitchen	2D-04	14	White	Neutral	Com 2 (T9)

Control In

Kitchen Lighting Transfer Drive

Relay, DPDT, 24 Vdc (Plug-In) #1

Output Address = C1:Y202

Change

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A35	22-8	Kitchen Lighting Transfer Drive	31	2H-A35>39	22	Red	+24 Vdc	Coil+ (TA)
2H-A35>39			White/CN-Panel/2	2H-A35>39	22	White	Switched	Coil- (TB)

Relay, DPDT, 24 Vdc (Plug-In) (2 of 5)	"Garage: Parking Area Lights DPDT"	Potter & Brumfield: KUP-11D15-24
		Tag Number 0058

Control In

Garage Lighting Transfer Drive

Relay, DPDT, 24 Vdc (Plug-In) #2

Output Address = C1:Y203

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A36	22-8	Garage Lighting Transfer Drive	31	2H-A35>39	22	Green	Switched	Coil +(TA)
2H-A35>39			White/CN-Panel/2	2H-A35>39	22	Red	+24 Vdc	Coil -(TB)

Input

(Garage: Parking Area Lights (Aux))

Relay, DPDT, 24 Vdc (Plug-In) #2

Output Address = MCP:2-(3)052

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-19	14-2	(Garage: Parking Area Lights (Aux))	9	2H-19	14	Black	Switched	NC 1 (T1)
2H-19			Orange/XL-HVRB	2H-19	14	White	Neutral	NC 2 (T3)

Input

4 other connections in panel.

(Emergency Lighting)

Relay, DPDT, 24 Vdc (Plug-In) #2

Input On

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-20	14-2	(Emergency Lighting)	23	2H-20	14	Black	Hot	NO 1 (T4)
2H-20			Yellow/CB-Panel/Emer	2H-20	14	White	Neutral	NO 2 (T6)

Output

Garage: Parking Area Lights (Aux)

Relay, DPDT, 24 Vdc (Plug-In) #2

Output {on: On; off: MCP:2-(3)052}

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-03	14-2	Garage: Parking Area Lights (Aux)	26	2H-03	14	Black	Switched	Com 1 (T7)
2H-03			Garage	2H-03	14	White	Neutral	Com 2 (T9)

Relay, DPDT, 24 Vdc (Plug-In) (3 of 5)	"Upper Bar: Recessed Lights DPDT"	Potter & Brumfield: KUP-11D15-24
		Tag Number 0059

Input

(Upper Bar: Recessed Lights Feed)

Relay, DPDT, 24 Vdc (Plug-In) #3

Output Address = MCP:2-(2)026

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-16	14-3	(Upper Bar: Recessed Lights Feed)	7	2H-15	14	Red	Switched	NC 1 (T1)
2H-15			Orange/XL-Dim/2	2H-15	14	White	Neutral	NC 2 (T3)

Input

4 other connections in panel.

(Emergency Lighting)

Relay, DPDT, 24 Vdc (Plug-In) #3

Input On

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-20	14-2	(Emergency Lighting)	23	2H-20	14	Black	Hot	NO 1 (T4)
2H-20			Yellow/CB-Panel/Emer	2H-20	14	White	Neutral	NO 2 (T6)

Output

Upper Bar: Recessed Lights

Relay, DPDT, 24 Vdc (Plug-In) #3

Output C1:Y204 {on: On; off: MCP:2-(2)026}

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-01	14-2/2	Upper Bar: Recessed Lights	37	3A-01/02	14	Red	Switched	Com 1 (T7)
3A-01/02			Upper Bar	3A-01/02	14	White/Red	Neutral	Com 2 (T9)

Control In

Upper Bar Lighting Transfer Drive

Relay, DPDT, 24 Vdc (Plug-In) #3

Output Address = C1:Y204

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A37	22-8	Upper Bar Lighting Transfer Drive	31	2H-A35>39	22	Brown	Switched	Coil+ (TA)
2H-A35>39			White/CN-Panel/2	2H-A35>39	22	Red	+24 Vdc	Coil- (TB)

Relay, DPDT, 24 Vdc (Plug-In) (4 of 5)	"Lakeside Room Recessed Lights DPDT"	Potter & Brumfield: KUP-11D15-24	Tag Number 0060
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Control In

Lakeside Room Lighting Transfer Drive

Relay, DPDT, 24 Vdc (Plug-In) #4

Output Address = C1:Y205

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A38 2H-A35>39	22-8	Lakeside Room Lighting Transfer Drive	31 White/CN-Panel/2	2H-A35>39	22	Red	+24 Vdc	Coil +(TA)
				2H-A35>39	22	Blue	Switched	Coil -(TB)

Input

(Lakeside Room: Rec. Lights Feed)

Relay, DPDT, 24 Vdc (Plug-In) #4

Output Address = MCP:2-(2)025

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-15 2H-15	14-3	(Lakeside Room: Rec. Lights Feed)	7 Orange/XL-Dim/2	2H-15	14	Black	Switched	NC 1 (T1)
				2H-15	14	White	Neutral	NC 2 (T3)

Input

4 other connections in panel.

(Emergency Lighting)

Relay, DPDT, 24 Vdc (Plug-In) #4

Input On

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-20 2H-20	14-2	(Emergency Lighting)	23 Yellow/CB-Panel/Emer	2H-20	14	Black	Hot	NO 1 (T4)
				2H-20	14	White	Neutral	NO 2 (T6)

Output

Lakeside Rm: Recessed Lights

Relay, DPDT, 24 Vdc (Plug-In) #4

Output {on: On; off: MCP:2-(2)025}

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-02 3A-01/02	14-2/2	Lakeside Rm: Recessed Lights	37 Lakeside Rm	3A-01/02	14	Black	Switched	Com 1 (T7)
				3A-01/02	14	White	Neutral	Com 2 (T9)

Relay, DPDT, 24 Vdc (Plug-In) (5 of 5)	"Upper Bath: Recessed Lights DPDT"	Potter & Brumfield: KUP-11D15-24	Tag Number 0112
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Control In

Upper Bath Lighting Transfer Drive

Relay, DPDT, 24 Vdc (Plug-In) #5

Output Address = C1:Y206

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A39	22-8	Upper Bath Lighting Transfer Drive	31	2H-A35>39	22	Red	+24 Vdc	Coil +(TA)
2H-A35>39			White/CN-Panel/2	2H-A35>39	22	Orange	Switched	Coil -(TB)

Input

(Upper Bath: Recessed Lights Feed)

Relay, DPDT, 24 Vdc (Plug-In) #5

Output Address = MCP:2-(2)027

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-17	14-2	(Upper Bath: Recessed Lights Feed)	7	2H-17	14	Black	Switched	NC 1 (T1)
2H-17			Orange/XL-Dim/2	2H-17	14	White	Neutral	NC 2 (T3)

Input

4 other connections in panel.

(Emergency Lighting)

Relay, DPDT, 24 Vdc (Plug-In) #5

Input On

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-20	14-2	(Emergency Lighting)	23	2H-20	14	Black	Hot	NO 1 (T4)
2H-20			Yellow/CB-Panel/Emer	2H-20	14	White	Neutral	NO 2 (T6)

Output

Upper Bath: Recessed Lights

Relay, DPDT, 24 Vdc (Plug-In) #5

Output {on: On; off: MCP:2-(2)027}

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-15	14-2	Upper Bath: Recessed Lights	25	3A-15	14	Black	Switched	Com 1 (T7)
3A-15			Upper Bath	3A-15	14	White	Neutral	Com 2 (T9)

Relay, 3PDT,120 Vac (Plug-In)	"Roof Tape Power Monitor Relay"	Potter & Brumfield: KUP-14D15-120	Tag Number 1145
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Relay NC / 3 (T3)

Front Porch: Roof Heat Status Indicator (Red)

Relay, 3PDT,120 Vac (Plug-In)

Circuit ID Cable ID	Style	Location & Name	Load Cable(s)	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2L-A09	22-4	Front Porch: Roof Heat Status Indicator (Red)		34	2L-A09	22	Red	+Red	NC 3 (T3)
2L-A09				Front Porch	2L-A09	22	Black	Return	Neutral

Relay NO / 3 (T6)

Front Porch: Roof Heat Status Indicator (Green)

Relay, 3PDT,120 Vac (Plug-In)

Circuit ID Cable ID	Style	Location & Name	Load Cable(s)	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2L-A10	22-4	Front Porch: Roof Heat Status Indicator (Green)		34	2L-A09	22	Green	+Green	NO 3 (T6)
2L-A09				Front Porch	2L-A09	22	Black	Return	Neutral

Control In

Garage: Heat Tape Power Status

Relay, 3PDT,120 Vac (Plug-In)

Output Address = MCP:2-(3)055

Circuit ID Cable ID	Style	Location & Name	Source Cable(s)	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-49	14-3	Garage: Heat Tape Power Status		9	2H-49	14	Black	Hot	Coil+ (TA)
2H-49				Orange/XL-HVRB	2H-49	14	White	Neutral	Coil- (TB)

Spare Cable Group	"Spare 120 Vac Cable(s)"	Tag Number na
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Not Connected / #1

Garage: Spare (Orange/HVRB to Orange/GP)

Spare Cable Group

Circuit ID <i>Cable ID</i>	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-39 <i>2H-39</i>	14-2	Garage: Spare (Orange/HVRB to Orange/GP)	9 <i>Orange/XL-HVRB</i>					

Not Connected / #2

Garage: spare (Orange/XL 1 to Orange/GP)

Spare Cable Group

Circuit ID <i>Cable ID</i>	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-38 <i>2H-38</i>	14-2	Garage: spare (Orange/XL 1 to Orange/GP)	7 <i>Orange/XL-Dim/1</i>					