

M1 RS-232 Interface Module Elk Products: ELK-M1XSP Tag Number 0443

Data Bus

M1G Data Bus - HVAC RS-232 (03)

M1 RS-232 Interface Module

Superior Address = M1:(1)J2

<i>Upstream Cable</i>				<i>Upstream Wires</i>				Device Connection
Circuit ID <i>Cable ID</i>	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1L-C20	Cat 5 (M1)	M1G Data Bus - HVAC RS-232 (03)	18	1L-C20	Cat 5e	Brown	+	+12
1L-C20			White/CN-Panel/1	1L-C20	Cat 5e	Orange	A	A
				1L-C20	Cat 5e	White/Orange	B	B
				1L-C20	Cat 5e	Green	A1	A1
				1L-C20	Cat 5e	White/Green	B1	B1
				1L-C20	Cat 5e	White/Brown	-	NEG

RS-485

7 other connections in panel.

Mech Room: HVAC RS-485 Control Bus

M1 RS-232 Interface Module

Change

<i>Bus Cable</i>				<i>Bus Wires</i>				Device Connection
Circuit ID <i>Cable ID</i>	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1L-C21	22-4	Mech Room: HVAC RS-485 Control Bus	3	1L-C21	22	Green	D+	2 (Bus A)
1L-C21			This Panel Only	1L-C21	22	White	D-	3 (Bus B)
				1L-C21	22	Black	GND	4 (Com)

TR60 HVAC Control Unit (1 of 7) "HVAC Control, Upper Level" RCS: ZCV1 Tag Number 0119

WDU I/O

Upper Bar: Thermostat

TR60 HVAC Control Unit #1

Bus Cable				Bus Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-A94 3A-A94	Cat 5e	Upper Bar: Thermostat	46 Upper Bar	3A-A94	Cat 5e	White/Orange	Return	GND (a)
				3A-A94	Cat 5e	White/Green	Return	GND (b)
				3A-A94	Cat 5e	White/Blue	+12 Vdc	+12VDC (a)
				3A-A94	Cat 5e	Blue	+12Vdc	+12VDC (b)
				3A-A94	Cat 5e	Orange	Clock	CLOCK
				3A-A94	Cat 5e	Green	Data	DATA

HVAC System

One other connection in panel.

Upper Utility Rm: HVAC Controls

TR60 HVAC Control Unit #1

Input Address = 0

Change

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-A02 3A-A02	18-6	Upper Utility Rm: HVAC Controls	65 Furnace 3A-1	1L-A175	22	Red	Return	RH 24
				1L-A175	22	White	Heat	W1 HEAT
1L-A175 1L-A175	22-4	Upper Heat or Cool Call	3 This Panel Only	1L-A175	22	Black	Cool	Y1 COMP
				3A-A02	18	Red	R 24Vac Return	RC 24
				3A-A02	18	Red	R 24Vac Return	RH 24
				3A-A02	18	Blue	W2 Heat	W1 HEAT
				3A-A02	18	Blue	W2 Heat	W2 / CO
				3A-A02	18	Green	G Fan	G FAN
				3A-A02	18	Yellow	Y1 Comp	Y1 COMP
				3A-A02	18	Brown	Y2 Comp	Y2 COMP

RS-485

7 other connections in panel.

Mech Room: HVAC RS-485 Control Bus

TR60 HVAC Control Unit #1

New

Bus Cable				Bus Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-C21 1L-C21	22-4	Mech Room: HVAC RS-485 Control Bus	3 This Panel Only	1L-C21	22	Black	GND	GND
				1L-C21	22	Green	D+	D+
				1L-C21	22	White	D-	D-

Power In (24 Vac) / "PWR"

14 other connections in panel.

Mech Room: HVAC 24 Vac Power

TR60 HVAC Control Unit #1

New

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-A136 1L-A136	18-2	Mech Room: HVAC 24 Vac Power	3 This Panel Only	1L-A136	18	Red	24 Vac B	24C
				1L-A136	18	Black	24 Vac A	24R

TR60 HVAC Control Unit (2 of 7)	"HVAC Control, Shop"	RCS: ZCV1	Tag Number 0120
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WDU I/O

Shop: Thermostat

TR60 HVAC Control Unit #2

<i>Bus Cable</i>				<i>Bus Wires</i>				Device Connection
Circuit ID <small>Cable ID</small>	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1K-A02 <small>1K-A02</small>	Cat 5e	Shop: Thermostat	43 Shop	1K-A02	Cat 5e	White/Orange	Return	GND (a)
				1K-A02	Cat 5e	White/Green	Return	GND (b)
				1K-A02	Cat 5e	White/Blue	+12 Vdc	+12VDC (a)
				1K-A02	Cat 5e	Blue	+12Vdc	+12VDC (b)
				1K-A02	Cat 5e	Orange	Clock	CLOCK
				1K-A02	Cat 5e	Green	Data	DATA

HVAC System

Shop: Gas Heater Controls

TR60 HVAC Control Unit #2

<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				Device Connection
Circuit ID <small>Cable ID</small>	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1K-A07 <small>1K-A07</small>	18-4	Shop: Gas Heater Controls	43 Shop	1K-A07	18	Black	Common	RC 24
				1K-A07	18	Red	Heat	W1 HEAT
				1K-A07	18	White	Fan	G FAN

RS-485

7 other connections in panel.

Mech Room: HVAC RS-485 Control Bus

TR60 HVAC Control Unit #2

<i>Bus Cable</i>				<i>Bus Wires</i>				Device Connection
Circuit ID <small>Cable ID</small>	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1L-C21 <small>1L-C21</small>	22-4	Mech Room: HVAC RS-485 Control Bus	3 <i>This Panel Only</i>	1L-C21	22	Black	GND	GND
				1L-C21	22	Green	D+	D+
				1L-C21	22	White	D-	D-

Power In (24 Vac) / "PWR"

14 other connections in panel.

Mech Room: HVAC 24 Vac Power

TR60 HVAC Control Unit #2

New

<i>Source Cable(s)</i>				<i>Source Wires</i>				Device Connection
Circuit ID <small>Cable ID</small>	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1L-A136 <small>1L-A136</small>	18-2	Mech Room: HVAC 24 Vac Power	3 <i>This Panel Only</i>	1L-A136	18	Red	24 Vac B	24C
				1L-A136	18	Black	24 Vac A	24R

TR60 HVAC Control Unit (3 of 7) "HVAC Control, Garage" RCS: ZCV1 Tag Number 0121

WDU I/O

Garage: Thermostat

TR60 HVAC Control Unit #3

Bus Cable				Bus Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-A65 2H-A65	Cat 5e	Garage: Thermostat	43 Garage	2H-A65	Cat 5e	White/Orange	Return	GND (a)
				2H-A65	Cat 5e	White/Green	Return	GND (b)
				2H-A65	Cat 5e	White/Blue	+12 Vdc	+12VDC (a)
				2H-A65	Cat 5e	Blue	+12Vdc	+12VDC (b)
				2H-A65	Cat 5e	Orange	Clock	CLOCK
				2H-A65	Cat 5e	Green	Data	DATA

HVAC System

Garage: Gas Heater Control

TR60 HVAC Control Unit #3

Change

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-A04 2H-A04	18-4	Garage: Gas Heater Control	43 Garage	2H-A04	18	Black	Common	RC 24
				2H-A04	18	Red	Heat	W1 HEAT
				2H-A04	18	White	Fan	G FAN

RS-485

7 other connections in panel.

Mech Room: HVAC RS-485 Control Bus

TR60 HVAC Control Unit #3

Bus Cable				Bus Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1L-C21 1L-C21	22-4	Mech Room: HVAC RS-485 Control Bus	3 This Panel Only	1L-C21	22	Black	GND	GND
				1L-C21	22	Green	D+	D+
				1L-C21	22	White	D-	D-

Power In (24 Vac) / "PWR"

14 other connections in panel.

Mech Room: HVAC 24 Vac Power

TR60 HVAC Control Unit #3

New

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1L-A136 1L-A136	18-2	Mech Room: HVAC 24 Vac Power	3 This Panel Only	1L-A136	18	Red	24 Vac B	24C
				1L-A136	18	Black	24 Vac A	24R

TR60 HVAC Control Unit (4 of 7) "HVAC Control, Lower Level, North" RCS: ZCV1 Tag Number 0122

WDU I/O

Theater: Thermostat

TR60 HVAC Control Unit #4

Change

Bus Cable				Bus Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1F-A03 1F-A03	Cat 5e	Theater: Thermostat	31 Theater	1F-A03	Cat 5e	White/Orange	Return	GND (a)
				1F-A03	Cat 5e	White/Green	Return	GND (b)
				1F-A03	Cat 5e	White/Blue	+12 Vdc	+12VDC (a)
				1F-A03	Cat 5e	Blue	+12Vdc	+12VDC (b)
				1F-A03	Cat 5e	Orange	Clock	CLOCK
				1F-A03	Cat 5e	Green	Data	DATA

HVAC System

Mech Room: HVAC Controls (North Lower)

TR60 HVAC Control Unit #4

New

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-A46 1L-A46	22-6	Mech Room: HVAC Controls (North Lower)	17 Zone Ctrl 1L-N	1L-A46	22	Red	R 24 VAC	RH 24
				1L-A46	22	White	W1 Heat	W1 HEAT
				1L-A46	22	Green	G Fan	G FAN
				1L-A46	22	Blue	Y1 Comp	Y1 COMP

RS-485

7 other connections in panel.

Mech Room: HVAC RS-485 Control Bus

TR60 HVAC Control Unit #4

New

Bus Cable				Bus Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-C21 1L-C21	22-4	Mech Room: HVAC RS-485 Control Bus	3 This Panel Only	1L-C21	22	Black	GND	GND
				1L-C21	22	Green	D+	D+
				1L-C21	22	White	D-	D-

Power In (24 Vac) / "PWR"

14 other connections in panel.

Mech Room: HVAC 24 Vac Power

TR60 HVAC Control Unit #4

New

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-A136 1L-A136	18-2	Mech Room: HVAC 24 Vac Power	3 This Panel Only	1L-A136	18	Red	24 Vac B	24C
				1L-A136	18	Black	24 Vac A	24R

TR60 HVAC Control Unit (5 of 7) "HVAC Control, Main Level, South" RCS: ZCV1 Tag Number 0123

WDU I/O

Master BR: Thermostat (Alt)

TR60 HVAC Control Unit #5

Bus Cable				Bus Wires				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2A-A05	Cat 5e	Master BR: Thermostat (Alt)	53	2A-A05	Cat 5e	White/Orange	Return	GND (a)
2A-A05			Master BR	2A-A05	Cat 5e	White/Green	Return	GND (b)
				2A-A05	Cat 5e	White/Blue	+12 Vdc	+12VDC (a)
				2A-A05	Cat 5e	Blue	+12Vdc	+12VDC (b)
				2A-A05	Cat 5e	Orange	Clock	CLOCK
				2A-A05	Cat 5e	Green	Data	DATA

WDU I/O

Master BR Hall: Thermostat

TR60 HVAC Control Unit #5

Bus Cable				Bus Wires				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2A-A06	Cat 5e	Master BR Hall: Thermostat	42	2A-A06	Cat 5e	White/Orange	Return	GND (a)
2A-A06			Master BR Hall	2A-A06	Cat 5e	White/Green	Return	GND (b)
				2A-A06	Cat 5e	White/Blue	+12 Vdc	+12VDC (a)
				2A-A06	Cat 5e	Blue	+12Vdc	+12VDC (b)
				2A-A06	Cat 5e	Orange	Clock	CLOCK
				2A-A06	Cat 5e	Green	Data	DATA

HVAC System

Mech Room: HVAC Controls (South Main)

TR60 HVAC Control Unit #5

Change

Load Cable(s)				Load Cable Wires				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-A47	22-6	Mech Room: HVAC Controls (South Main)	26	1L-A47	22	Red	R 24 vac	RH 24
1L-A47			Zone Ctrl 1L-S	1L-A47	22	White	W1 Heat	W1 HEAT
				1L-A47	22	Green	G Fan	G FAN
				1L-A47	22	Blue	Y1 Comp	Y1 COMP

RS-485

7 other connections in panel.

Mech Room: HVAC RS-485 Control Bus

TR60 HVAC Control Unit #5

Bus Cable				Bus Wires				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-C21	22-4	Mech Room: HVAC RS-485 Control Bus	3	1L-C21	22	Black	GND	GND
1L-C21			This Panel Only	1L-C21	22	Green	D+	D+
				1L-C21	22	White	D-	D-

Power In (24 Vac) / "PWR"

14 other connections in panel.

Mech Room: HVAC 24 Vac Power

TR60 HVAC Control Unit #5

New

Source Cable(s)				Source Wires				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-A136	18-2	Mech Room: HVAC 24 Vac Power	3	1L-A136	18	Red	24 Vac B	24C
1L-A136			This Panel Only	1L-A136	18	Black	24 Vac A	24R

TR60 HVAC Control Unit (6 of 7) "HVAC Control, Lower Level, South" RCS: ZCV1 Tag Number 0124

WDU I/O

TR60 HVAC Control Unit #6

Change

Bus Cable				Bus Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1C-A02 1C-A02	Cat 5e	Long Hall: Thermostat	36 Long Hall	1C-A02	Cat 5e	White/Orange	Return	GND (a)	
				1C-A02	Cat 5e	White/Green	Return	GND (b)	
				1C-A02	Cat 5e	White/Blue	+12 Vdc	+12VDC (a)	
				1C-A02	Cat 5e	Blue	+12Vdc	+12VDC (b)	
				1C-A02	Cat 5e	Orange	Clock	CLOCK	
				1C-A02	Cat 5e	Green	Data	DATA	

Long Hall: Thermostat

HVAC System

TR60 HVAC Control Unit #6

Change

Load Cable(s)				Load Cable Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A48 1L-A48	22-6	Mech Room: HVAC Controls (South Lower)	26 Zone Ctrl 1L-S	1L-A48	22	Red	R 24 VAC	RH 24	
				1L-A48	22	White	W1 Heat	W1 HEAT	
				1L-A48	22	Green	Fan	G FAN	
				1L-A48	22	Blue	Y1 Comp	Y1 COMP	

Mech Room: HVAC Controls (South Lower)

RS-485

TR60 HVAC Control Unit #6

7 other connections in panel.

Change

Bus Cable				Bus Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-C21 1L-C21	22-4	Mech Room: HVAC RS-485 Control Bus	3 This Panel Only	1L-C21	22	Black	GND	GND	
				1L-C21	22	Green	D+	D+	
				1L-C21	22	White	D-	D-	

Mech Room: HVAC RS-485 Control Bus

Power In (24 Vac) / "PWR"

TR60 HVAC Control Unit #6

14 other connections in panel.

New

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A136 1L-A136	18-2	Mech Room: HVAC 24 Vac Power	3 This Panel Only	1L-A136	18	Red	24 Vac B	24C	
				1L-A136	18	Black	24 Vac A	24R	

Mech Room: HVAC 24 Vac Power

TR60 HVAC Control Unit (7 of 7) "HVAC Control, Main Level, North" RCS: ZCV1 Tag Number 0197

WDU I/O

BR 3 Hall: Thermostat

TR60 HVAC Control Unit #7

Bus Cable				Bus Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2F-A09 2F-A09	Cat 5e	BR 3 Hall: Thermostat	42 BR 3 Hall	2F-A09	Cat 5e	White/Orange	Return	GND (a)
				2F-A09	Cat 5e	White/Green	Return	GND (b)
				2F-A09	Cat 5e	White/Blue	+12 Vdc	+12VDC (a)
				2F-A09	Cat 5e	Blue	+12Vdc	+12VDC (b)
				2F-A09	Cat 5e	Orange	Clock	CLOCK
				2F-A09	Cat 5e	Green	Data	DATA

HVAC System

Mech Room: HVAC Controls (North Main)

TR60 HVAC Control Unit #7

Change

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-A45 1L-A45	22-6	Mech Room: HVAC Controls (North Main)	17 Zone Ctrl 1L-N	1L-A45	22	Red	R 24 VAC	RH 24
				1L-A45	22	White	W1 Heat	W1 HEAT
				1L-A45	22	Green	G Fan	G FAN
				1L-A45	22	Blue	Y1 Comp	Y1 COMP

RS-485

7 other connections in panel.

Mech Room: HVAC RS-485 Control Bus

TR60 HVAC Control Unit #7

Bus Cable				Bus Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-C21 1L-C21	22-4	Mech Room: HVAC RS-485 Control Bus	3 This Panel Only	1L-C21	22	Black	GND	GND
				1L-C21	22	Green	D+	D+
				1L-C21	22	White	D-	D-

Power In (24 Vac) / "PWR"

14 other connections in panel.

Mech Room: HVAC 24 Vac Power

TR60 HVAC Control Unit #7

New

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-A136 1L-A136	18-2	Mech Room: HVAC 24 Vac Power	3 This Panel Only	1L-A136	18	Red	24 Vac B	24C
				1L-A136	18	Black	24 Vac A	24R

Floor Heat Thermostat (1 of 7) "Thermostat, Garage Floor" Uponor: 501s Tag Number 0588

Power In (24 Vac)

14 other connections in panel.

Mech Room: HVAC 24 Vac Power

Floor Heat Thermostat #1

New

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function		
1L-A136	18-2	Mech Room: HVAC 24 Vac Power	3	1L-A136	18	Black	24 Vac A	3 / C	
1L-A136			This Panel Only	1L-A136	18	Red	24 Vac B	4 / R	

Valve Drive

Floor Heat Call - Garage

Floor Heat Thermostat #1

Change

Load Cable(s)				Load Cable Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function		
1L-A25	18-4	Floor Heat Call - Garage	9	1L-A25	18	White	Heat Call	5 / Heat	
1L-A25			Mech Room (@House Floor Heat Boiler)	1L-A25	18	Black	Return	Com	

Sensor Input

Floor Temperature - Garage

Floor Heat Thermostat #1

New

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function		
2H-S04	18-2	Floor Temperature - Garage	28	2H-S04	18	Black	Terminal A	1 / Com	
2H-S04			Garage (@Floor Temp Sensor)	2H-S04	18	Red	Terminal B	2 / S1	

Valve Power In

2 other connections in panel.

Garage/Shop Zone Valve Switched Power

Floor Heat Thermostat #1

New

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function		
1L-A224	18-2	Garage/Shop Zone Valve Switched Power	3	1L-A224	18	Red	24Vac	6 / Heat	
1L-A224			This Panel Only	1L-A224	18	Black	24Vac Return	Com	

Floor Heat Thermostat (2 of 7) "Thermostat, Shop Floor" Uponor: 501s Tag Number 0589

Power In (24 Vac)

14 other connections in panel.

Mech Room: HVAC 24 Vac Power

Floor Heat Thermostat #2

New

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A136	18-2	Mech Room: HVAC 24 Vac Power	3	1L-A136	18	Black	24 Vac A	3 / C	
1L-A136			This Panel Only	1L-A136	18	Red	24 Vac B	4 / R	

Valve Drive

Floor Heat Call - Shop

Floor Heat Thermostat #2

Load Cable(s)

Load Cable Wires

Load Cable(s)				Load Cable Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A79	18-4	Floor Heat Call - Shop	25	1L-A79	18	Red	Heat Call	5 / Heat	
1L-A79			Mech Room (@Garage/Shop Floor Heat)	1L-A79	18	Black	Common	Com	

Sensor Input

Floor Temperature - Shop

Floor Heat Thermostat #2

Source Cable(s)

Source Wires

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1K-S10	18-2	Floor Temperature - Shop	36	1K-S10	18	Black	Terminal A	1 / Com	
1K-S10			Shop (@Floor Temp Sensor)	1K-S10	18	Red	Terminal B	2 / S1	

Valve Power In

2 other connections in panel.

Garage/Shop Zone Valve Switched Power

Floor Heat Thermostat #2

New

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A224	18-2	Garage/Shop Zone Valve Switched Power	3	1L-A224	18	Red	24Vac	6 / Heat	
1L-A224			This Panel Only	1L-A224	18	Black	24Vac Return	Com	

Floor Heat Thermostat (3 of 7) "Thermostat, LL Floor, South Zone" Uponsor: 501s Tag Number 0590

Power In (24 Vac)

14 other connections in panel.

Mech Room: HVAC 24 Vac Power

Floor Heat Thermostat #3

New

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A136	18-2	Mech Room: HVAC 24 Vac Power	3	1L-A136	18	Black	24 Vac A	3 / C	
1L-A136			This Panel Only	1L-A136	18	Red	24 Vac B	4 / R	

Valve Drive

Floor Heat Call - Lower Level - South Zone

Floor Heat Thermostat #3

Load Cable(s)				Load Cable Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A26	18-4	Floor Heat Call - Lower Level - South Zone	9	1L-A26	18	White	Heat Call	5 / Heat	
1L-A26		Mech Room (@House Floor Heat Boiler)		1L-A26	18	Black	Common	Com	

Sensor Input

Floor Temperature - LL South Zone

Floor Heat Thermostat #3

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1A-S05	18-2	Floor Temperature - LL South Zone	58	1A-S05	18	Black	Terminal A	1 / Com	
1A-S05		BR 4/5 Shower (@Floor Temp Sensor)		1A-S05	18	Red	Terminal B	2 / S1	

Valve Power In

4 other connections in panel.

Interior Zone Valve Switched Power

Floor Heat Thermostat #3

New

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A226	18-2	Interior Zone Valve Switched Power	3	1L-A226	18	Red	24Vac	6 / Heat	
1L-A226			This Panel Only	1L-A226	18	Black	24Vac Return	Com	

Floor Heat Thermostat (4 of 7) "Thermostat, LL Floor, Central Zone" Uponsor: 501s Tag Number 0591

Power In (24 Vac)

14 other connections in panel.

Mech Room: HVAC 24 Vac Power

Floor Heat Thermostat #4

New

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A136	18-2	Mech Room: HVAC 24 Vac Power	3	1L-A136	18	Black	24 Vac A	3 / C	
1L-A136			This Panel Only	1L-A136	18	Red	24 Vac B	4 / R	

Valve Drive

Floor Heat Call - Lower Level - Central Zone

Floor Heat Thermostat #4

Load Cable(s)				Load Cable Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A80	18-4	Floor Heat Call - Lower Level - Central Zone	9	1L-A80	18	Red	Heat Call	5 / Heat	
1L-A80		Mech Room (@House Floor Heat Boiler)		1L-A80	18	Black	Common	Com	

Sensor Input

Floor Temperature - LL Central Zone

Floor Heat Thermostat #4

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1F-S07	18-2	Floor Temperature - LL Central Zone	33	1F-S07	18	Black	Terminal A	1 / Com	
1F-S07		Theater (@Floor Temp Sensor)		1F-S07	18	Red	Terminal B	2 / S1	

Valve Power In

4 other connections in panel.

Interior Zone Valve Switched Power

Floor Heat Thermostat #4

New

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A226	18-2	Interior Zone Valve Switched Power	3	1L-A226	18	Red	24Vac	6 / Heat	
1L-A226			This Panel Only	1L-A226	18	Black	24Vac Return	Com	

Floor Heat Thermostat (5 of 7) "Thermostat, LL Floor, Northeast Zone" Uponsor: 501s Tag Number 0592

Power In (24 Vac)

14 other connections in panel.

Mech Room: HVAC 24 Vac Power

Floor Heat Thermostat #5

New

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A136	18-2	Mech Room: HVAC 24 Vac Power	3	1L-A136	18	Black	24 Vac A	3 / C	
1L-A136			This Panel Only	1L-A136	18	Red	24 Vac B	4 / R	

Valve Drive

Floor Heat Call - Lower Level - Northeast Zone

Floor Heat Thermostat #5

Load Cable(s)				Load Cable Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A81	18-4	Floor Heat Call - Lower Level - Northeast Zone	9	1L-A81	18	Red	Heat Call	5 / Heat	
1L-A81		Mech Room (@House Floor Heat Boiler)		1L-A81	18	Black	Common	Com	

Sensor Input

Floor Temperature - LL NE Zone

Floor Heat Thermostat #5

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1H-S10	18-2	Floor Temperature - LL NE Zone	55	1H-S10	18	Black	Terminal A	1 / Com	
1H-S10		Changing Room A (@Floor Temp Sensor)		1H-S10	18	Red	Terminal B	2 / S1	

Valve Power In

4 other connections in panel.

Interior Zone Valve Switched Power

Floor Heat Thermostat #5

New

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A226	18-2	Interior Zone Valve Switched Power	3	1L-A226	18	Red	24Vac	6 / Heat	
1L-A226			This Panel Only	1L-A226	18	Black	24Vac Return	Com	

Floor Heat Thermostat (6 of 7) "Thermostat, Master Bath Floor" Uponor: 501s Tag Number 0593

Power In (24 Vac)

14 other connections in panel.

Mech Room: HVAC 24 Vac Power

Floor Heat Thermostat #6

New

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A136	18-2	Mech Room: HVAC 24 Vac Power	3	1L-A136	18	Black	24 Vac A	3 / C	
1L-A136			This Panel Only	1L-A136	18	Red	24 Vac B	4 / R	

Valve Drive

Floor Heat Call - Master Bath

Floor Heat Thermostat #6

Change

Load Cable(s)				Load Cable Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A27	18-4	Floor Heat Call - Master Bath	9	1L-A27	18	White	Heat Call	5 / Heat	
1L-A27			Mech Room (@House Floor Heat Boiler)	1L-A27	18	Black	Common	Com	

Sensor Input

Master Bath: Floor Temperature - Master Bath

Floor Heat Thermostat #6

Change

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
2B-S13	18-2	Master Bath: Floor Temperature - Master Bath	57	2B-S13	18	Black	Terminal A	1 / Com	
2B-S13			Master Bath (@Floor Temp Sensor)	2B-S13	18	Red	Terminal B	2 / S1	

Valve Power In

One other connection in panel.

Master Bath Zone Valve Switched Power

Floor Heat Thermostat #6

New

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A225	18-2	Master Bath Zone Valve Switched Power	3	1L-A225	18	Red	24Vac	6 / Heat	
1L-A225			This Panel Only	1L-A225	18	Black	24Vac Return	Com	

Floor Heat Thermostat (7 of 7) "Thermostat Mud Room/Laundry" Uponor: 501s Tag Number 1260

Power In (24 Vac)

14 other connections in panel.

Mech Room: HVAC 24 Vac Power

Floor Heat Thermostat #7

New

Source Cable(s)				Source Wires					
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A136	18-2	Mech Room: HVAC 24 Vac Power	3	1L-A136	18	Black	24 Vac A	3 / C	
1L-A136			This Panel Only	1L-A136	18	Red	24 Vac B	4 / R	

Valve Drive

Floor Heat Call - Mud/Laundry Room

Floor Heat Thermostat #7

New

Load Cable(s)				Load Cable Wires					
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A221	18-4	Floor Heat Call - Mud/Laundry Room	9	1L-A221	18	Red	Heat Call	5 / Heat	
1L-A221			Mech Room (@House Floor Heat Boiler)	1L-A221	18	Black	Common	Com	

Sensor Input

Laundry Room: Floor Temperature - Laundry Room

Floor Heat Thermostat #7

New

Source Cable(s)				Source Wires					
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
2E-S16	18-2	Laundry Room: Floor Temperature - Laundry Room	25	2E-S16	18	Black	Terminal A	1 / Com	
2E-S16			Laundry Room	2E-S16	18	Red	Terminal B	2 / S1	

Valve Power In

4 other connections in panel.

Interior Zone Valve Switched Power

Floor Heat Thermostat #7

New

Source Cable(s)				Source Wires					
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A226	18-2	Interior Zone Valve Switched Power	3	1L-A226	18	Red	24Vac	6 / Heat	
1L-A226			This Panel Only	1L-A226	18	Black	24Vac Return	Com	

Transformer, 24 Vac, 50W	"24 Vac For Thermostats, Emerg Power"	(Part TBD) <small>Tag Number</small> 0432
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Power In (120 Vac)

White & Yellow Panels Emerg Power

Transformer, 24 Vac, 50W

Change

<i>Source Cable(s)</i>				<i>Source Wires</i>				<small>Device Connection</small>
<small>Circuit ID Cable ID</small>	<small>Style</small>	<small>Location & Name</small>	<small>Length & Destination</small>	<small>Cable ID</small>	<small>AWG</small>	<small>Wire Color</small>	<small>Wire Function</small>	
1L-27	12-2	White & Yellow Panels Emerg Power	31	1L-27	12	Black	Hot	Hot
1L-27			Multiple	1L-27	12	White	Neutral	Neutral

Power Output

14 other connections in panel.

Mech Room: HVAC 24 Vac Power

Transformer, 24 Vac, 50W

New

<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				<small>Device Connection</small>
<small>Circuit ID Cable ID</small>	<small>Style</small>	<small>Location & Name</small>	<small>Length & Destination</small>	<small>Cable ID</small>	<small>AWG</small>	<small>Wire Color</small>	<small>Wire Function</small>	
1L-A136	18-2	Mech Room: HVAC 24 Vac Power	3	1L-A136	18	Red	24 Vac B	Secondary A
1L-A136			This Panel Only	1L-A136	18	Black	24 Vac A	Secondary B

Output

On

Fan & Sensor Kit, Cabinet	"Enclosure Vent Fan & Temp Sensor"	JTB: 1010-3	Tag Number 1103
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Fan Power In

Yellow HVAC: Cabinet Fan Drive

Fan & Sensor Kit, Cabinet

Output Address = J2:(1)Y4

<i>Source Cable(s)</i>				<i>Source Wires</i>				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1L-A09	22-4 (S)	Yellow HVAC: Cabinet Fan Drive	18	1L-A09	22	Red	Power	Fan +
1L-A09			White/CN-Panel/2	1L-A09	22	Black	Signal	Fan -

Temp Sensor Output

Yellow HVAC: Cabinet Temperature

Fan & Sensor Kit, Cabinet

Input Address = J2:(1)X4

<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1L-S13	22-4 (S)	Yellow HVAC: Cabinet Temperature	18	1L-A09	22	White	Select	(Sensor) +
1L-A09			White/CN-Panel/2	1L-A09	22	Green	Signal	(Sensor) -
				1L-A09	22	Shield	Shield	GND

HVAC Call Adapter (1 of 3) "HVAC Call Monitor #1" JTB: 1012-1 Tag Number 1189

Discrete In / 1

HVAC Call Adapter #1

One other connection in panel.

Upper Heat/Cool Call

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Source Wires				Device Connection
				Cable ID	AWG	Wire Color	Wire Function	
1L-A175 1L-A175	22-4	Upper Heat or Cool Call	3 This Panel Only	1L-A175	22	White	Heat	W1
				1L-A175	22	Black	Cool	Y1
				1L-A175	22	Red	Return	C1

Discrete In / 2

HVAC Call Adapter #1

North Heat or Cool Call

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Source Wires				Device Connection
				Cable ID	AWG	Wire Color	Wire Function	
1L-A176 1L-A176	22-4	North Heat or Cool Call	17 Zone Ctrl 1L-N	1L-A176	22	White	Heat	W2
				1L-A176	22	Black	Cool	Y2
				1L-A176	22	Red	Return	C2

Discrete In / 3

HVAC Call Adapter #1

South Heat or Cool Call

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Source Wires				Device Connection
				Cable ID	AWG	Wire Color	Wire Function	
1L-A177 1L-A177	22-4	South Heat or Cool Call	26 Zone Ctrl 1L-S	1L-A177	22	White	Heat	W3
				1L-A177	22	Black	Cool	Y3
				1L-A177	22	Red	Return	C3

Discrete In / 4

HVAC Call Adapter #1

Snow Melt South Call

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Source Wires				Device Connection
				Cable ID	AWG	Wire Color	Wire Function	
1L-A211 1L-A211	22-2	Snow Melt South Call	31 Snow Melt 1L-B1	1L-A211	22	Black	W	W4
				1L-A211	22	Red	R	C4

Discrete Output / 1

HVAC Call Adapter #1

Input Address = C6:X210

HVAC Call - Upper

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Load Cable Wires				Device Connection
				Cable ID	AWG	Wire Color	Wire Function	
1L-A172 1L-A172	22-4	HVAC Call - Upper	18 White/CN-Panel/2	1L-A172	22	Red	Switched	Ch 1 Out
				1L-A172	22	Black	Return	Return

Discrete Output / 2

HVAC Call Adapter #1

Input Address = C6:X211

HVAC Call - North

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Load Cable Wires				Device Connection
				Cable ID	AWG	Wire Color	Wire Function	
1L-A173 1L-A172	22-4	HVAC Call - North	18 White/CN-Panel/2	1L-A172	22	White	Switched	Ch 2 Out
				1L-A172	22	Black	Return	Return

Discrete Output / 3

HVAC Call Adapter #1

Input Address = C6:X212

HVAC Call - South

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Load Cable Wires				Device Connection
				Cable ID	AWG	Wire Color	Wire Function	
1L-A174 1L-A172	22-4	HVAC Call - South	18 White/CN-Panel/2	1L-A172	22	Green	Switched	Ch 3 Out
				1L-A172	22	Black	Return	Return

Discrete Output / 4

4 other connections in panel.

Call - Load Group B

HVAC Call Adapter #1

New

Input Address = C6:X214

Load Cable(s)			Load Cable Wires				Device Connection	
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-A212	22-4	Call - Load Group B	18	1L-A212	22	Red	Signal	Ch 4 Out
1L-A212			White/CN-Panel/2	1L-A212	22	Black	Return	Return

HVAC Call Adapter (2 of 3) "HVAC Call Monitor #2" JTB: 1012-1 Tag Number 1252

Discrete In / 1

HVAC Call Adapter #2

New	Source Cable(s)				Source Wires				Device Connection
	Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
	1L-A213	22-2	Snow Melt North Call	22	1L-A213	22	Black	W	W1
	1L-A213			Snow Melt 1L-B2	1L-A213	22	Red	R	C1

Snow Melt North Call

Discrete In / 2

HVAC Call Adapter #2

New	Source Cable(s)				Source Wires				Device Connection
	Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
	1L-A214	22-2	Floor Heat Interior Call	9	1L-A214	22	Black	W	W2
	1L-A214			Floor Heat 1L-B3	1L-A214	22	Red	R	C2

Floor Heat Interior Call

Discrete In / 3

HVAC Call Adapter #2

New	Source Cable(s)				Source Wires				Device Connection
	Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
	1L-A215	22-2	Mech Room: Floor Heat Garage Call	25	1L-A215	22	Black	W	W3
	1L-A215			Floor Heat 1L-B4	1L-A215	22	Red	R	C3

Mech Room: Floor Heat Garage Call

Discrete In / 4

HVAC Call Adapter #2

New	Source Cable(s)				Source Wires				Device Connection
	Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
	1L-A216	22-2	Floor Heat Shop Call	25	1L-A216	22	Black	W	W4
	1L-A216			Floor Heat 1L-B5	1L-A216	22	Red	R	C4

Floor Heat Shop Call

Discrete Output / 1

HVAC Call Adapter #2

Input Address = C6:X214

New	Load Cable(s)				Load Cable Wires				Device Connection
	Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
	1L-A212	22-4	Call - Load Group B	18	1L-A212	22	Red	Signal	Ch 1 Out
	1L-A212			White/CN-Panel/2	1L-A212	22	Black	Return	Return

4 other connections in panel.

Call - Load Group B

Discrete Output / 2

HVAC Call Adapter #2

Input Address = C6:X214

New	Load Cable(s)				Load Cable Wires				Device Connection
	Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
	1L-A212	22-4	Call - Load Group B	18	1L-A212	22	Red	Signal	Ch 2 Out
	1L-A212			White/CN-Panel/2	1L-A212	22	Black	Return	Return

4 other connections in panel.

Call - Load Group B

Discrete Output / 3

HVAC Call Adapter #2

Input Address = C6:X214

New	Load Cable(s)				Load Cable Wires				Device Connection
	Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
	1L-A212	22-4	Call - Load Group B	18	1L-A212	22	Red	Signal	Ch 3 Out
	1L-A212			White/CN-Panel/2	1L-A212	22	Black	Return	Return

4 other connections in panel.

Call - Load Group B

Discrete Output / 4

4 other connections in panel.

Call - Load Group B

HVAC Call Adapter #2

New

Input Address = C6:X214

Circuit ID		Style	Location & Name	Length & Destination	Load Cable Wires			Device Connection	
Cable ID					Cable ID	AWG	Wire Color		Wire Function
1L-A212		22-4	Call - Load Group B	18 White/CN-Panel/2	1L-A212	22	Red	Signal	Ch 4 Out
1L-A212					1L-A212	22	Black	Return	Return

HVAC Call Adapter (3 of 3) "Water Heater Call Monitor" JTB: 1012-1 Tag Number 1257

Discrete In / 1

HVAC Call Adapter #3

New

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-A219	22-4	Water Heater North Call Monitor	19	1L-A219	22	Red	Signal	W1
1L-A219			White/GP-Panel/1	1L-A219	22	Black	Return	C1

Water Heater North Call Monitor

Discrete In / 2

HVAC Call Adapter #3

New

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-A220	22-4	Water Heater South Call Monitor	19	1L-A219	22	White	Signal	W2
1L-A219			White/GP-Panel/1	1L-A219	22	Green	Return	C2

Water Heater South Call Monitor

Discrete Output / 1

HVAC Call Adapter #3

New

Input Address = C6:X213

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-A217	22-4	Call - Water Heaters	18	1L-A212	22	White	Signal	Ch 1 Out
1L-A212			White/CN-Panel/2	1L-A212	22	Black	Return	Return

One other connection in panel.

Call - Water Heaters

Discrete Output / 2

HVAC Call Adapter #3

New

Input Address = C6:X213

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1L-A217	22-4	Call - Water Heaters	18	1L-A212	22	White	Signal	Ch 2 Out
1L-A212			White/CN-Panel/2	1L-A212	22	Black	Return	Return

One other connection in panel.

Call - Water Heaters

Relay, SPDT, 24 Vdc (Plug-In) (1 of 3) "Relay, Floor Heat Enable, Garage/Shop" Potter & Brumfield: KUP-5D15-24 Tag Number 0374

NO Input

Garage Zone Valve Power

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

New

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A222	18-2	Garage Zone Valve Power	25	1L-A222	18	Red	24Vac	NO (T5)	
1L-A222		Mech Room (@Garage/Shop Floor Heat)		1L-A222	18	Black	24Vac Return	Neutral	

Power Output

Garage/Shop Zone Valve Switched Power

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

New

2 other connections in panel.

Load Cable(s)				Load Cable Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A224	18-2	Garage/Shop Zone Valve Switched Power	3	1L-A224	18	Red	24Vac	Com (T7)	
1L-A224		This Panel Only		1L-A224	18	Black	24Vac Return	Neutral	

Control In

Floor Heat Enable - Garage/Shop

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

Change

Output Address = C6:Y601

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A82	22-8	Floor Heat Enable - Garage/Shop	18	1L-A82	22	Red	+24 Vdc	Coil (+)	
1L-A82		White/CN-Panel/2		1L-A82	22	White	Garage/Shop	Coil (-)	

Relay, SPDT, 24 Vdc (Plug-In) (2 of 3) "Relay, Floor Heat Enable, Interior" Potter & Brumfield: KUP-5D15-24 Tag Number 0375

NO Input

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

New

One other connection in panel.

Interior Zone Valve Power

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A223	18-2	Interior Zone Valve Power	9	1L-A223	18	Red	24Vac	NO (T5)	
1L-A223			This Panel & 1 Load Location	1L-A223	18	Black	24Vac Return	Neutral	

Power Output

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

New

4 other connections in panel.

Interior Zone Valve Switched Power

Output C6:Y602

Load Cable(s)				Load Cable Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A226	18-2	Interior Zone Valve Switched Power	3	1L-A226	18	Red	24Vac	Com (T7)	
1L-A226			This Panel Only	1L-A226	18	Black	24Vac Return	Neutral	

Control In

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

Change

Floor Heat Enable - Interior

Output Address = C6:Y602

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1L-A115	22-8	Floor Heat Enable - Interior	18	1L-A82	22	Red	+24 Vdc	Coil (+)	
1L-A82			White/CN-Panel/2	1L-A82	22	Brown	Interior	Coil (-)	

Relay, SPDT, 24 Vdc (Plug-In) (3 of 3) "Relay, Floor Heat Enable, Master Bath" Potter & Brumfield: KUP-5D15-24 Tag Number 0376

NO Input

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

New

One other connection in panel.

Interior Zone Valve Power

Source Cable(s)				Length & Destination	Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name			Cable ID	AWG	Wire Color	Wire Function	
1L-A223	18-2	Interior Zone Valve Power		9	1L-A223	18	Red	24Vac	NO (T5)
1L-A223			This Panel & 1 Load Location		1L-A223	18	Black	24Vac Return	Neutral

Power Output

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

New

One other connection in panel.

Master Bath Zone Valve Switched Power

Output C6:Y603

Load Cable(s)				Length & Destination	Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name			Cable ID	AWG	Wire Color	Wire Function	
1L-A225	18-2	Master Bath Zone Valve Switched Power		3	1L-A225	18	Red	24Vac	Com (T7)
1L-A225			This Panel Only		1L-A225	18	Black	24Vac Return	Neutral

Control In

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

Change

Floor Heat Enable - Master Bath

Output Address = C6:Y603

Source Cable(s)				Length & Destination	Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name			Cable ID	AWG	Wire Color	Wire Function	
1L-A116	22-8	Floor Heat Enable - Master Bath		18	1L-A82	22	Red	+24 Vdc	Coil (+)
1L-A82			White/CN-Panel/2		1L-A82	22	Blue	Master Bath	Coil (-)

Spare Cable Group "Spare Cables" Tag Number
na

Not Connected / 1

(spare)

Spare Cable Group

Circuit ID Cable ID	Style	Location & Name	Load Cable(s)	Length & Destination
3A-A11	Cat 5e	(spare)		3
3A-A11				No connections

