

M1 16 Zone Input Module (1 of 2)	"Input Expander 2-1 (09)"	Elk Products: ELK-M1XIN Tag Number 0116
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Discrete In / 01

One other connection in panel.

Lakeside Room: Windows (All)

M1 16 Zone Input Module #1

Input Address = M1:(9)129

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A21	22-2	Lakeside Window Group	3	2H-A21	22	Red	Signal	Z01
2H-A21			This Panel Only	2H-A21	22	Black	Return	NEG

Discrete In / 02

One other connection in panel.

Woodside Room Windows (All)

M1 16 Zone Input Module #1

Input Address = M1:(9)130

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A22	22-2	Woodside Window Group	3	2H-A22	22	Red	Signal	Z02
2H-A22			This Panel Only	2H-A22	22	Black	Return	NEG

Discrete In / 03

One other connection in panel.

Woodside Alcove: Windows (All)

M1 16 Zone Input Module #1

Input Address = M1:(9)131

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A34	22-2	Woodside Alcove: Windows (All)	3	2H-A34	22	Red	Signal	Z03
2H-A34			This Panel Only	2H-A34	22	Black	Return	NEG

Discrete In / 04

Change

Garage: Garage Over-Temp Alarm

M1 16 Zone Input Module #1

Input Address = M1:(9)132

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-S06	22-8	Garage: Garage Over-Temp Alarm	44	2H-S58	22	Brown	Garage Alarm Signal	Z04
2H-S58			Garage	2H-S58	22	White	Signal Return	NEG

Discrete In / 05

Laundry Room: Door

M1 16 Zone Input Module #1

Input Address = M1:(9)133

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2E-S03	22-2	Laundry Room: Door	27	2E-S03	22	Red	Signal	Z05
2E-S03			Laundry Room	2E-S03	22	Black	Signal Return	NEG

Discrete In / 06

Lakeside Rm: Smoke Detector (Signal)

M1 16 Zone Input Module #1

Input Address = M1:(9)134

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-S74	18-4	Lakeside Rm: Smoke Detector (Signal)	38	3A-S74	18	Blue	Signal	Z06
3A-S74			Lakeside Rm	3A-S74	18	Brown	Signal Return	NEG

Discrete In / 07

Upper Bar: CO Detector (Signal)

M1 16 Zone Input Module #1

Input Address = M1:(9)135

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-S75	18-4	Upper Bar: CO Detector (Signal)	22	3A-S75	18	Blue	CO Signal	Z07
3A-S75			Upper Bar	3A-S75	18	Black	Return	NEG

Discrete In / 08

Upper Bar: Motion (Signal)

M1 16 Zone Input Module #1

Input Address = M1:(9)136

<i>Source Cable(s)</i>				<i>Source Wires</i>				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-S76 3A-S76	22-8	Upper Bar: Motion (Signal)	25 Upper Bar	3A-S76	22	Orange	Signal	Z08
				3A-S76	22	White	Signal Return	NEG
3A-S77 3A-S77	22-8	Woodside Rm: Motion (Signal)	25 Woodside Rm	3A-S77	22	Yellow	Signal	Z08
				3A-S77	22	White	Signal Return	NEG

Discrete In / 09

Laundry Room: Combustible Gas Detector (Signal) Future

M1 16 Zone Input Module #1

Input Address = M1:(9)137

<i>Source Cable(s)</i>				<i>Source Wires</i>				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2E-S08 2E-S08	22-4	Laundry Room: Combustible Gas Detector (Signal) Future	28 Laundry Room	2E-S08	22	Green	Signal	Z09
				2E-S08	22	Black	Common	NEG

Discrete In / 10

Laundry Room: CO Detector (Signal)

M1 16 Zone Input Module #1

Input Address = M1:(9)138

<i>Source Cable(s)</i>				<i>Source Wires</i>				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2E-S09 2E-S09	22-4	Laundry Room: CO Detector (Signal)	28 Laundry Room	2E-S09	22	Green	CO Signal	Z10
				2E-S09	22	Black	Common	NEG

Discrete In / 11

Laundry Room: Smoke Detector (Signal)

M1 16 Zone Input Module #1

Input Address = M1:(9)139

<i>Source Cable(s)</i>				<i>Source Wires</i>				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2E-S10 2E-S10	22-4	Laundry Room: Smoke Detector (Signal)	25 Laundry Room	2E-S10	22	Green	Signal	Z11
				2E-S10	22	White	Signal Return	NEG

Discrete In / 12

Mud Room: Motion Detector (Signal)

M1 16 Zone Input Module #1

Input Address = M1:(9)140

<i>Source Cable(s)</i>				<i>Source Wires</i>				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2E-S11 2E-S11	22-4	Mud Room: Motion Detector (Signal)	18 Mud Room	2E-S11	22	Green	Signal	Z12
				2E-S11	22	Black	Common	NEG

Discrete In / 13

Mud Room: Smoke Detector (Signal)

M1 16 Zone Input Module #1

Input Address = M1:(9)141

<i>Source Cable(s)</i>				<i>Source Wires</i>				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2E-S12 2E-S12	22-4	Mud Room: Smoke Detector (Signal)	17 Mud Room	2E-S12	22	Green	Signal	Z13
				2E-S12	22	White	Signal Return	NEG

Discrete In / 14

Mud Room: Outside Door

M1 16 Zone Input Module #1

Input Address = M1:(9)142

<i>Source Cable(s)</i>				<i>Source Wires</i>				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2E-S06 2E-S06	22-2	Mud Room: Outside Door	17 Mud Room	2E-S06	22	Red	Signal	Z14
				2E-S06	22	Black	Signal Return	NEG

Discrete In / 15

One other connection in panel.

Water Detector (Powder Rm & Laundry) (Signal)

M1 16 Zone Input Module #1

Input Address = M1:(9)143

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-S01 2H-S01	22-2	Water Detector (Powder Rm & Laundry) (Signal)	3 This Panel Only	2H-S01 2H-S01	22 22	Red Black	Signal Signal Return	Z15 NEG

Discrete In / 16

One other connection in panel.

Water Detector (Upper Level) (Signal)

M1 16 Zone Input Module #1

Input Address = M1:(9)144

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-S02 2H-S02	22-2	Water Detector (Upper Level) (Signal)	3 This Panel Only	2H-S02 2H-S02	22 22	Red Black	Signal Signal Return	Z16 NEG

Data Bus

One other connection in panel.

M1G Data Bus - Input Expander 2-1 (09)

M1 16 Zone Input Module #1

Superior Address = M1:(2)J4

Upstream Cable				Upstream Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-C08 2H-C08	Cat 5 (M1)	M1G Data Bus - Input Expander 2-1 (09)	3 This Panel Only	2H-C08 2H-C08 2H-C08 2H-C08 2H-C08 2H-C08	Cat 5e Cat 5e Cat 5e Cat 5e Cat 5e Cat 5e	Brown Orange White/Orange Green White/Green White/Brown	+ A B A1 B1 -	+12 A B A1 B1 Neg

M1 16 Zone Input Module (2 of 2)	"Input Expander 2-2 (08)"	Elk Products: ELK-M1XIN	Tag Number 0137
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Discrete In / 01

Powder Room: Window

M1 16 Zone Input Module #2

Input Address = M1:(8)113

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2E-S01	22-2	Powder Room: Window	24	2E-S01	22	Red	Signal	Z01
2E-S01			Powder Room	2E-S01	22	Black	Signal Return	NEG

Discrete In / 02

Upper Storage Rm: Combustible Gas Detector (Signal)

M1 16 Zone Input Module #2

Input Address = M1:(8)114

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-S78	22-4	Upper Storage Rm: Combustible Gas Detector (Signal)	14	3A-S78	22	Green	Gas Signal	Z02
3A-S78			Upper Storage Rm	3A-S78	22	Black	Return	NEG

Discrete In / 03

Upper Storage Rm: Heat Detector (Signal)

M1 16 Zone Input Module #2

Input Address = M1:(8)115

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-S79	22-4	Upper Storage Rm: Heat Detector (Signal)	17	3A-S79	22	Green	Signal	Z03
3A-S79			Upper Storage Rm	3A-S79	22	Black	Return	NEG

Discrete In / 04

Upper Utility Rm: Combustible Gas Detector (Signal)

M1 16 Zone Input Module #2

Input Address = M1:(8)116

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-S80	22-8	Upper Utility Rm: Combustible Gas Detector (Signal)	37	3A-S80/81	22	Green	Gas Signal	Z04
3A-S80/81			Upper Utility Rm	3A-S80/81	22	White	Signal Return	NEG

Discrete In / 05

Upper Utility Rm: Heat Detector (Signal)

M1 16 Zone Input Module #2

Input Address = M1:(8)117

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-S81	22-8	Upper Utility Rm: Heat Detector (Signal)	37	3A-S80/81	22	Orange	Heat Signal	Z05
3A-S80/81			Upper Utility Rm	3A-S80/81	22	White	Signal Return	NEG

Discrete In / 06

Garage: Service Door

M1 16 Zone Input Module #2

Input Address = M1:(8)118

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-S50	22-2	Garage: Service Door	25	2H-50	22	Red	Signal	Z06
2H-50			Garage	2H-50	22	Black	Signal Return	NEG

Discrete In / 07

One other connection in panel.

Garage: Windows (All)

M1 16 Zone Input Module #2

Input Address = M1:(8)119

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A40	22-2	Garage: Windows (All)	3	2H-A40	22	Red	Signal	Z07
2H-A40			<i>This Panel Only</i>	2H-A40	22	Black	Return	NEG

Discrete In / 08

M1 16 Zone Input Module #2

Input Address = M1:(8)120

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-S59 2H-S58	22-8	Garage: Combustible Gas Detector (Signal)	44 Garage	2H-S58 2H-S58	22 22	Green White	Gas Signal Signal Return	Z08 NEG

Garage: Combustible Gas Detector (Signal)

Discrete In / 09

M1 16 Zone Input Module #2

Input Address = M1:(8)121

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-S53 2H-53	22-2	Garage: House Door	25 Garage	2H-53 2H-53	22 22	Red Black	Signal Signal Return	Z09 NEG

Garage: House Door

Discrete In / 10

M1 16 Zone Input Module #2

Input Address = M1:(8)122

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-S54 2H-S54	22-4	Garage: Overhead Door (East)	25 Garage	2H-S54 2H-S54	22 22	Red Black	Signal Signal Return	Z10 NEG

Garage: Overhead Door (East)

Discrete In / 11

M1 16 Zone Input Module #2

Input Address = M1:(8)123

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-S55 2H-S55	22-2	Garage: Overhead Door (West)	25 Garage	2H-S55 2H-S55	22 22	Red Black	Signal Signal Return	Z11 NEG

Garage: Overhead Door (West)

Discrete In / 12

M1 16 Zone Input Module #2

Input Address = M1:(8)124

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-S56 2H-56	22-4	Garage: Motion (Signal)	28 Garage	2H-56 2H-56	22 22	Green White	Signal Signal Return	Z12 NEG

Garage: Motion (Signal)

Discrete In / 13

M1 16 Zone Input Module #2

Input Address = M1:(8)125

Change

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-S57 2H-57	22-8	Garage: Heat Detector (Signal)	25 Garage	2H-57 2H-57	22 22	Green White	Signal Signal Return	Z13 NEG

Garage: Heat Detector (Signal)

Discrete In / 14

M1 16 Zone Input Module #2

Input Address = M1:(8)126

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-S58 2H-S58	22-8	Garage: Refrigeration Alarm (Signal)	44 Garage	2H-S58 2H-S58	22 22	Orange White	Freezer Signal Signal Return	Z14 NEG

Garage: Refrigeration Alarm (Signal)

Discrete In / 15

M1 16 Zone Input Module #2

Input Address = M1:(8)127

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2K-S10 2K-S10	22-8	Upper Stairway ↑: Smoke Detector (Signal)	40 Upper Stairway ↑	2K-S10 2K-S10	22 22	Green White	Signal Signal Return	Z15 NEG

Upper Stairway ↑: Smoke Detector (Signal)

Discrete In / 16

One other connection in panel.

Garage: Sensor Trouble

M1 16 Zone Input Module #2

Input Address = M1:(8)128

Source Cable(s)				Source Wires				Device Connection
Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-A31	22-2	Garage: Sensor Trouble	3	2H-A31	22	Red	Signal	Z16
2H-A31			This Panel Only	2H-A31	22	Black	Return	NEG

Data Bus

One other connection in panel.

M1G Data Bus - Input Expander 2-2 (08)

M1 16 Zone Input Module #2

Superior Address = M1:(2)J5

Upstream Cable				Upstream Wires				Device Connection
Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-C09	Cat 5 (M1)	M1G Data Bus - Input Expander 2-2 (08)	3	2H-C09	Cat 5e	Brown	+	+12
2H-C09			This Panel Only	2H-C09	Cat 5e	Orange	A	A
				2H-C09	Cat 5e	White/Orange	B	B
				2H-C09	Cat 5e	Green	A1	A1
				2H-C09	Cat 5e	White/Green	B1	B1
				2H-C09	Cat 5e	White/Brown	-	Neg

M1 Output Expander 8 Voltage / 8 Relay	"Output Expander 2-1 (04)"	Elk Products: ELK-M1XOVR	Tag Number 0115
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Contact Pair / 1

Garage: Gas Heater Interrupt

M1 Output Expander 8 Voltage / 8 Relay

Output Address = M1:(4a)049

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A68	18-4	Garage: Gas Heater Interrupt	25	2H-A68	18	Black	Return	Out 1 COM
2H-A68			Garage	2H-A68	18	Red	Signal	Out 1 NC

Contact Pair / 2

Garage: Overhead Door Activate (East)

M1 Output Expander 8 Voltage / 8 Relay

Output Address = M1:(4a)050

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A70	22-4	Garage: Overhead Door Activate (East)	25	2H-A70/71	22	Green	Terminal 2B	Out 2 NO
2H-A70/71			Garage	2H-A70/71	22	Black	Terminal 1A	Out 2 COM

Contact Pair / 3

Garage: Overhead Door Activate (West)

M1 Output Expander 8 Voltage / 8 Relay

Output Address = M1:(4a)051

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A71	22-4	Garage: Overhead Door Activate (West)	25	2H-A70/71	22	Red	Terminal 1B	Out 3 NO
2H-A70/71			Garage	2H-A70/71	22	White	Terminal 2A	Out 3 COM

Data Bus

One other connection in panel.

M1G Data Bus - Output Expander 2-1 (04)

M1 Output Expander 8 Voltage / 8 Relay

Superior Address = M1:(2)J6

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-C10	Cat 5 (M1)	M1G Data Bus - Output Expander 2-1 (04)	3	2H-C10	Cat 5e	Brown	+12 Vdc	+12
2H-C10			<i>This Panel Only</i>	2H-C10	Cat 5e	Orange	A	A
2H-C10				2H-C10	Cat 5e	White/Orange	B	B
2H-C10				2H-C10	Cat 5e	Green	A1	A1
2H-C10				2H-C10	Cat 5e	White/Green	B1	B1
2H-C10				2H-C10	Cat 5e	White/Brown	Ground	NEG

M1 Data Bus Hub	"M1 Data Bus Hub 2"	Elk Products: ELK-M1DBH Tag Number 0140
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Data Bus In

M1G Data Bus (White to Orange)

M1 Data Bus Hub

<i>Superior Address =</i> M1:(1)J8
<i>Inferior Address =</i> M1:(2)X1

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2H-C05 2H-C05	Cat 5 (M1)	M1G Data Bus (White to Orange)	24 White/CN-Panel/1

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-C05	Cat 5e	Orange	A	A
2H-C05	Cat 5e	White/Orange	B	B
2H-C05	Cat 5e	White/Brown	-	Neg

Data Bus / Port 1

Lakeside Rm: Security Keypad Data (05)

M1 Data Bus Hub

<i>Superior Address =</i> M1:(2)J1

Circuit ID Cable ID	Style	Location & Name	Length & Destination
3A-A92 3A-A92	Cat 5 (M1)	Lakeside Rm: Security Keypad Data (05)	33 Lakeside Rm

Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-A92	Cat 5e	Brown	+12 Vdc	Port 1 +12
3A-A92	Cat 5e	Orange	A	Port 1 A
3A-A92	Cat 5e	White/Orange	B	Port 1 B
3A-A92	Cat 5e	Green	A1	Port 1 A1
3A-A92	Cat 5e	White/Green	B1	Port 1 B1
3A-A92	Cat 5e	White/Brown	Ground	Port 1 Neg

Data Bus / Port 2

Mud Room: Security Keypad Data (12)

M1 Data Bus Hub

<i>Superior Address =</i> M1:(2)J2
<i>Inferior Address =</i> M1:000

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2E-A01 2E-A01	Cat 5 (M1)	Mud Room: Security Keypad Data (12)	15 Mud Room

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2E-A01	Cat 5e	Brown	+	Port 2 +12
2E-A01	Cat 5e	Orange	A	Port 2 A
2E-A01	Cat 5e	White/Orange	B	Port 2 B
2E-A01	Cat 5e	Green	A1	Port 2 A1
2E-A01	Cat 5e	White/Green	B1	Port 2 B1
2E-A01	Cat 5e	White/Brown	-	Port 2 Neg

Data Bus / Port 3

Kitchen: Automation Receiver (10)

M1 Data Bus Hub

<i>Superior Address =</i> M1:(2)J3
<i>Inferior Address =</i> 000

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2E-A03 2E-A03	Cat 5 (M1)	Kitchen: Automation Receiver (10)	25 Kitchen

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2E-A03	Cat 5e	Brown	+	Port 3 +12
2E-A03	Cat 5e	Orange	A	Port 3 A
2E-A03	Cat 5e	White/Orange	B	Port 3 B
2E-A03	Cat 5e	Green	A1	Port 3 A1
2E-A03	Cat 5e	White/Green	B1	Port 3 B1
2E-A03	Cat 5e	White/Brown	-	Port 3 Neg

Data Bus / Port 4

One other connection in panel.

M1G Data Bus - Input Expander 2-1 (09)

M1 Data Bus Hub

Superior Address = M1:(2)J4

<i>Downstream Cable</i>			
Circuit ID Cable ID	Style	Location & Name	Length & Destination
2H-C08 2H-C08	Cat 5 (M1)	M1G Data Bus - Input Expander 2-1 (09)	3 This Panel Only

<i>Downstream Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
2H-C08	Cat 5e	Brown	+	Port 4 +12
2H-C08	Cat 5e	Orange	A	Port 4 A
2H-C08	Cat 5e	White/Orange	B	Port 4 B
2H-C08	Cat 5e	Green	A1	Port 4 A1
2H-C08	Cat 5e	White/Green	B1	Port 4 B1
2H-C08	Cat 5e	White/Brown	-	Port 4 Neg

Data Bus / Port 5

One other connection in panel.

M1G Data Bus - Input Expander 2-2 (08)

M1 Data Bus Hub

Superior Address = M1:(2)J5

<i>Downstream Cable</i>			
Circuit ID Cable ID	Style	Location & Name	Length & Destination
2H-C09 2H-C09	Cat 5 (M1)	M1G Data Bus - Input Expander 2-2 (08)	3 This Panel Only

<i>Downstream Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
2H-C09	Cat 5e	Brown	+	Port 5 +12
2H-C09	Cat 5e	Orange	A	Port 5 A
2H-C09	Cat 5e	White/Orange	B	Port 5 B
2H-C09	Cat 5e	Green	A1	Port 5 A1
2H-C09	Cat 5e	White/Green	B1	Port 5 B1
2H-C09	Cat 5e	White/Brown	-	Port 5 Neg

Data Bus / Port 6

One other connection in panel.

M1G Data Bus - Output Expander 2-1 (04)

M1 Data Bus Hub

Superior Address = M1:(2)J6

<i>Downstream Cable</i>			
Circuit ID Cable ID	Style	Location & Name	Length & Destination
2H-C10 2H-C10	Cat 5 (M1)	M1G Data Bus - Output Expander 2-1 (04)	3 This Panel Only

<i>Downstream Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
2H-C10	Cat 5e	Brown	+12 Vdc	Port 6 +12
2H-C10	Cat 5e	Orange	A	Port 6 A
2H-C10	Cat 5e	White/Orange	B	Port 6 B
2H-C10	Cat 5e	Green	A1	Port 6 A1
2H-C10	Cat 5e	White/Green	B1	Port 6 B1
2H-C10	Cat 5e	White/Brown	Ground	Port 6 Neg

Data Bus / Port 7

One other connection in panel.

Garage: Security Keypad Data (01)

M1 Data Bus Hub

Superior Address = M1:(2)J7

<i>Downstream Cable</i>			
Circuit ID Cable ID	Style	Location & Name	Length & Destination
2H-A29 2H-A29	Cat 5 (M1)	Garage: Security Keypad Data (01)	3 This Panel Only

<i>Downstream Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
2H-A29	Cat 5e	Brown	+	Port 7 +12
2H-A29	Cat 5e	Orange	A	Port 7 A
2H-A29	Cat 5e	White/Orange	B	Port 7 B
2H-A29	Cat 5e	Green	A1	Port 7 A1
2H-A29	Cat 5e	White/Green	B1	Port 7 B1
2H-A29	Cat 5e	White/Brown	-	Port 7 Neg

Data Bus / Port 8

M1G Data Bus (Orange to Blue)

M1 Data Bus Hub

Superior Address = M1:(2)J8

Inferior Address = M1:(3)X1

<i>Downstream Cable</i>			
Circuit ID Cable ID	Style	Location & Name	Length & Destination
1G-C16 1G-C16	Cat 5 (M1)	M1G Data Bus (Orange to Blue)	35 Blue/CN-Panel/D

<i>Downstream Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
1G-C16	Cat 5e	Brown	+	Port 8 +12
1G-C16	Cat 5e	Orange	A	Port 8 A
1G-C16	Cat 5e	White/Orange	B	Port 8 B
1G-C16	Cat 5e	White/Brown	-	Port 8 Neg

Data Bus / Port 9

[M1:(2)J9]

M1 Data Bus Hub

Circuit ID Cable ID	Style	Location & Name	Length & Destination
<i>Downstream Cable</i>			

Power In (12 Vdc)

6 other connections in panel.

+12 Vdc Power Bus

M1 Data Bus Hub

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
<i>Source Cable(s)</i>				<i>Source Wires</i>				
2H-A20	18-2	+12 Vdc Power Bus	3	2H-A20	18	Red	+12 Vdc	+12
2H-A20			This Panel Only	2H-A20	18	Black	12 Vdc Return	Neg

Power Dist Module, 12Vdc, 250ma (1 of 2)	"General 12 Vdc Power Distribution"	Elk Products: ELK-PD9 Tag Number 0118
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Power In (12 Vdc)

6 other connections in panel.

+12 Vdc Power Bus

Power Dist Module, 12Vdc, 250ma #1

Input On

	Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
	2H-A20	18-2	+12 Vdc Power Bus	3	2H-A20	18	Red	+12 Vdc	POS
	2H-A20			This Panel Only	2H-A20	18	Black	12 Vdc Return	NEG

Power Output / 1

CO & Motion Detector Power

Power Dist Module, 12Vdc, 250ma #1

Output On

	Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
	3A-P75	18-4	Upper Bar: CO Detector (Power)	22	3A-S75	18	Red	Signal	POWER 1 - POS
	3A-S75			Upper Bar	3A-S75	18	Black	Return	POWER 1 - NEG
	3A-P77	22-8	Woodside Rm: Motion (Power)	25	3A-S76	22	Red	+12 Vdc	POWER 1 - POS
	3A-S77			Woodside Rm	3A-S76	22	Black	12 V Return	POWER 1 - NEG
	3A-P76	22-8	Upper Bar: Motion (Power)	25	3A-S77	22	Red	+12 Vdc	POWER 1 - POS
	3A-S76			Upper Bar	3A-S77	22	Black	12 V Return	POWER 1 - NEG

Power Output / 2

Upper Storage Rm: Combustible Gas Detector (Power)

Power Dist Module, 12Vdc, 250ma #1

Output On

	Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
	3A-P78	22-4	Upper Storage Rm: Combustible Gas Detector (Power)	14	3A-S78	22	Red	+12 Vdc	POWER 2 - POS
	3A-S78			Upper Storage Rm	3A-S78	22	Black	Return	POWER 2 - NEG
	3A-P79	22-4	Upper Storage Rm: Heat Detector (Power)	17	3A-S79	22	Red	+12 Vdc	POWER 2 - POS
	3A-S79			Upper Storage Rm	3A-S79	22	Black	Return	POWER 2 - NEG

Power Output / 3

Upper Utility Rm: Gas & Heat Detectors (Power)

Power Dist Module, 12Vdc, 250ma #1

Output On

	Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
	3A-P80	22-8	Upper Utility Rm: Gas & Heat Detectors (Power)	37	3A-S80/81	22	Red	+12 Vdc	POWER 3 - POS
	3A-S80/81			Multiple	3A-S80/81	22	Black	12 V Return	POWER 3 - NEG

Power Output / 4

Garage: Heat & Motion Detector Power

Power Dist Module, 12Vdc, 250ma #1

Output On

	Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
	2H-P56	22-4	Garage: Motion (Power)	28	2H-56	22	Red	+12 Vdc	POWER 4 - POS
	2H-56			Garage	2H-56	22	Black	12 V Return	POWER 4 - NEG
	2H-P57	22-8	Garage: Heat Detector (Power)	25	2H-57	22	Red	+12 Vdc	POWER 4 - POS
	2H-57			Garage	2H-57	22	Black	12 V Return	POWER 4 - NEG

Power Output / 5

Garage: Refrig & Gas Detector (Power)

Power Dist Module, 12Vdc, 250ma #1

Output On

	Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
	2H-P58	22-8	Garage: Refrig & Gas Detector (Power)	44	2H-S58	22	Red	+12 Vdc	POWER 5 - POS
	2H-S58			Multiple	2H-S58	22	Black	12 V Return	POWER 5 - NEG

Power Output / 6

Laundry & Mud Room: Detectors (Power)

Power Dist Module, 12Vdc, 250ma #1

		Load Cable(s)				Load Cable Wires				Device Connection
Output	On	Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
Output	On	2E-P08 2E-S08	22-4	Laundry Room: Combustible Gas Detector (Power) Future	28 Laundry Room	2E-S08	22	Red	+12 Vdc	POWER 6 - POS
		2E-S08				2E-S08	22	Black	Common	POWER 6 - NEG
		2E-P09 2E-S09	22-4	Laundry Room: CO Detector (Power)	28 Laundry Room	2E-S09	22	Red	+12 Vdc	POWER 6 - POS
		2E-S09				2E-S09	22	Black	Common	POWER 6 - NEG
		2E-P11 2E-S11	22-4	Mud Room: Motion Detector (Power)	18 Mud Room	2E-S11	22	Red	+12 Vdc	POWER 6 - POS
		2E-S11				2E-S11	22	Black	Common	POWER 6 - NEG

Power Output / 7

2 other connections in panel.

Water Detector Power

Power Dist Module, 12Vdc, 250ma #1

		Load Cable(s)				Load Cable Wires				Device Connection
Output	On	Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
Output	On	2H-P01 2H-P01	22-2	Water Detector Power	3 This Panel Only	2H-P01	22	Red	+12 Vdc	POWER 7 - POS
		2H-P01				2H-P01	22	Black	12 Vdc Return	POWER 7 - NEG

Power Dist Module, 12Vdc, 250ma (2 of 2)	"Smoke Detector 12 Vdc Power Distribution"	Elk Products: ELK-PD9 Tag Number 0600
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Power In (12 Vdc)

One other connection in panel.

Switched Smoke Power

Power Dist Module, 12Vdc, 250ma #2

		<u>Circuit ID</u>		<u>Source Cable(s)</u>		<u>Source Wires</u>		<u>Device Connection</u>		
		<u>Cable ID</u>	<u>Style</u>	<u>Location & Name</u>	<u>Length & Destination</u>	<u>Cable ID</u>	<u>AWG</u>	<u>Wire Color</u>	<u>Wire Function</u>	
<i>Input</i>	On	2H-A19	18-2	Switched Smoke Power	3	2H-A19	18	Red	Switched +12 Vdc	POS
		2H-A19			This Panel Only	2H-A19	18	Black	Return	NEG

Power Output / 1

Lakeside Rm: Smoke Detector (Power)

Power Dist Module, 12Vdc, 250ma #2

		<u>Circuit ID</u>		<u>Load Cable(s)</u>		<u>Load Cable Wires</u>		<u>Device Connection</u>		
		<u>Cable ID</u>	<u>Style</u>	<u>Location & Name</u>	<u>Length & Destination</u>	<u>Cable ID</u>	<u>AWG</u>	<u>Wire Color</u>	<u>Wire Function</u>	
<i>Output</i>	On	3A-P74	18-4	Lakeside Rm: Smoke Detector (Power)	38	3A-S74	18	Red	+12 Vdc	POWER 1 - POS
		3A-S74			Lakeside Rm	3A-S74	18	Black	12 V Return	POWER 1 - NEG

Power Output / 2

Laundry Room: Smoke Detector (Power)

Power Dist Module, 12Vdc, 250ma #2

		<u>Circuit ID</u>		<u>Load Cable(s)</u>		<u>Load Cable Wires</u>		<u>Device Connection</u>		
		<u>Cable ID</u>	<u>Style</u>	<u>Location & Name</u>	<u>Length & Destination</u>	<u>Cable ID</u>	<u>AWG</u>	<u>Wire Color</u>	<u>Wire Function</u>	
<i>Output</i>	On	2E-P10	22-4	Laundry Room: Smoke Detector (Power)	25	2E-S10	22	Red	+12 Vdc (Smoke)	POWER 2 - POS
		2E-S10			Laundry Room	2E-S10	22	Black	12 V Return	POWER 2 - NEG

Power Output / 3

Upper Stairway ↑: Smoke Detector (Power)

Power Dist Module, 12Vdc, 250ma #2

		<u>Circuit ID</u>		<u>Load Cable(s)</u>		<u>Load Cable Wires</u>		<u>Device Connection</u>		
		<u>Cable ID</u>	<u>Style</u>	<u>Location & Name</u>	<u>Length & Destination</u>	<u>Cable ID</u>	<u>AWG</u>	<u>Wire Color</u>	<u>Wire Function</u>	
<i>Output</i>	On	2K-P10	22-8	Upper Stairway ↑: Smoke Detector (Power)	40	2K-S10	22	Red	+12 Vdc	POWER 3 - POS
		2K-S10			Upper Stairway ↑	2K-S10	22	Black	12 V Return	POWER 3 - NEG

Power Output / 4

Mud Room: Smoke Detector (Power)

Power Dist Module, 12Vdc, 250ma #2

		<u>Circuit ID</u>		<u>Load Cable(s)</u>		<u>Load Cable Wires</u>		<u>Device Connection</u>		
		<u>Cable ID</u>	<u>Style</u>	<u>Location & Name</u>	<u>Length & Destination</u>	<u>Cable ID</u>	<u>AWG</u>	<u>Wire Color</u>	<u>Wire Function</u>	
<i>Output</i>	On	2E-P12	22-4	Mud Room: Smoke Detector (Power)	17	2E-S12	22	Red	+12 Vdc (Smoke)	POWER 4 - POS
		2E-S12			Mud Room	2E-S12	22	Black	12 V Return	POWER 4 - NEG

M1 Keypad (Flush)	"Security Keypad (01)"	Elk Products: ELK-M1KP2	Tag Number 1160
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Input

One other connection in panel.

Garage: Vehicle Detector (Signal)

M1 Keypad (Flush)

Input Address = M1:(D)193

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-S41	22-2	Garage: Vehicle Detector (Signal)	3	2H-S41	22	Red	Signal	Blue (Input)
2H-S41			This Panel Only	2H-S41	22	Black	Signal Retrun	Black (-)

Data Bus

One other connection in panel.

Garage: Security Keypad Data (01)

M1 Keypad (Flush)

Superior Address = M1:(2)J7

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A29	Cat 5 (M1)	Garage: Security Keypad Data (01)	3	2H-A29	Cat 5e	Brown	+	Red (+12v)
2H-A29			This Panel Only	2H-A29	Cat 5e	White/Brown	-	Black (-)
2H-A29				2H-A29	Cat 5e	Orange	A	Green (A In)
2H-A29				2H-A29	Cat 5e	Green	A1	Green (A Out)
2H-A29				2H-A29	Cat 5e	White/Orange	B	White (B In)
2H-A29				2H-A29	Cat 5e	White/Green	B1	White (B Out)

Detector, Vehicle (Driveway)	Winland Electronics: VAL-1	Tag Number 0612
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Contact Pair, NO

One other connection in panel.

Garage: Vehicle Detector (Signal)

Detector, Vehicle (Driveway)

Input Address = M1:(D)193

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-S41	22-2	Garage: Vehicle Detector (Signal)	3	2H-S41	22	Red	Signal	BROWN
2H-S41			This Panel Only	2H-S41	22	Black	Signal Retrun	WHITE/ORANGE

Power In (12 Vdc)

Garage: Vehicle Detector - Power

Detector, Vehicle (Driveway)

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A41	18-2	Garage: Vehicle Detector - Power	26	2H-A41	18	Red	+12V DC	(+) RED
2H-A41			White/CN-Panel/2	2H-A41	18	Black	12V DC Return	(-) BLACK

Sensor Input

Garage: Vehicle Detector - Ground

Detector, Vehicle (Driveway)

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A42	Single Wire	Garage: Vehicle Detector - Ground	54	2H-A42	14	Bare	Ground	G
2H-A42			White/CN-Panel/5					

Sensor Input

Garage: Vehicle Sensor Probe

Detector, Vehicle (Driveway)

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-S10	22-2 (S)	Garage: Vehicle Sensor Probe	46	2H-S10	22	Red	Terminal A	S (1)
2H-S10			White/GP-Panel/2	2H-S10	22	Black	Terminal B	S (2)
				2H-S10	22	Drain	Shield Drain	G

Detector, Water (1 of 2)	"Water Detector Serving Powder Room & Laundry Room"	Winland Electronics: "WaterBug" WB-200	Tag Number 0252
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Sensor Input

Powder Room: Water Sensor Chain

Detector, Water #1

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2E-S07	22-4	Powder Room: Water Sensor Chain	24	2E-S07	22	Black	Signal Return	3 (Input A)
2E-S07			Powder Room	2E-S07	22	Red	Signal	4 (Input B)

Contact Pair, NC

One other connection in panel.

Water Detector (Powder Rm & Laundry) (Signal)

Detector, Water #1

Input Address = M1:(9)143

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-S01	22-2	Water Detector (Powder Rm & Laundry) (Signal)	3	2H-S01	22	Black	Signal Return	5 (Relay Com)
2H-S01			This Panel Only	2H-S01	22	Red	Signal	7 (Relay NC)

Power In (12 Vdc)

2 other connections in panel.

Water Detector Power

Detector, Water #1

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-P01	22-2	Water Detector Power	3	2H-P01	22	Red	+12 Vdc	1 (V+)
2H-P01			This Panel Only	2H-P01	22	Black	12 Vdc Return	2 (Gnd)

Detector, Water (2 of 2)	"Water Detector Serving Upper Level"	Winland Electronics: "WaterBug" WB-200	Tag Number 0256
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Sensor Input

Upper Storage Rm: Water Sensor Chain (Upper Level)

Detector, Water #2

<i>Source Cable(s)</i>				<i>Source Wires</i>				Device Connection
Circuit ID <i>Cable ID</i>	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
3A-S72	22-4	Upper Storage Rm: Water Sensor Chain (Upper Level)	22	3A-S72	22	Red	Signal	3 (Input A)
3A-S72			Upper Storage Rm	3A-S72	22	Black	Signal Return	4 (Input B)

Contact Pair, NC

One other connection in panel.

Water Detector (Upper Level) (Signal)

Detector, Water #2

Input Address = M1:(9)144

<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				Device Connection
Circuit ID <i>Cable ID</i>	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-S02	22-2	Water Detector (Upper Level) (Signal)	3	2H-S02	22	Black	Signal Return	5 (Relay Com)
2H-S02			<i>This Panel Only</i>	2H-S02	22	Red	Signal	7 (Relay NC)

Power In (12 Vdc)

2 other connections in panel.

Water Detector Power

Detector, Water #2

<i>Source Cable(s)</i>				<i>Source Wires</i>				Device Connection
Circuit ID <i>Cable ID</i>	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-P01	22-2	Water Detector Power	3	2H-P01	22	Red	+12 Vdc	1 (V+)
2H-P01			<i>This Panel Only</i>	2H-P01	22	Black	12 Vdc Return	2 (Gnd)

9-Zone Combiner / Indicator (1 of 3) "Trouble Indicator" JTJB: 1006-1 Tag Number 1061

OR (1-9) Input / 1

Upper Bar: CO Detector (Trouble)

9-Zone Combiner / Indicator #1

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
3A-S02 3A-S75	18-4	Upper Bar: CO Detector (Trouble)	22 Upper Bar	3A-S75	18	Brown	Trouble Signal	In 1
				3A-S75	18	Black	Return	Neg

OR (1-9) Input / 2

Laundry Room: CO Detector (Trouble)

9-Zone Combiner / Indicator #1

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2E-S13 2E-S09	22-4	Laundry Room: CO Detector (Trouble)	28 Laundry Room	2E-S09	22	White	CO Trouble Signal	In 2
				2E-S09	22	Black	Common	Neg

OR (1-9) Input / 3

Upper Storage Rm: Combustible Gas Detector (Trouble)

9-Zone Combiner / Indicator #1

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
3A-S03 3A-S78	22-4	Upper Storage Rm: Combustible Gas Detector (Trouble)	14 Upper Storage Rm	3A-S78	22	White	Signal	In 3
				3A-S78	22	Black	Return	Neg

OR (1-9) Input / 4

Upper Utility Rm: Combustible Gas Detector (Trouble)

9-Zone Combiner / Indicator #1

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
3A-S04 3A-S80/81	22-8	Upper Utility Rm: Combustible Gas Detector (Trouble)	37 Upper Utility Rm	3A-S80/81	22	Blue	Gas Trouble Signal	In 4
				3A-S80/81	22	White	Signal Return	Neg

OR (1-9) Input / 5

Garage: Combustible Gas Detector (Trouble)

9-Zone Combiner / Indicator #1

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-S05 2H-S58	22-8	Garage: Combustible Gas Detector (Trouble)	44 Garage	2H-S58	22	Blue	Gas Trouble Signal	In 5
				2H-S58	22	White	Signal Return	Neg

OR (1-9) Input / 6

Laundry Room: Combustible Gas Detector (Trouble) Future

9-Zone Combiner / Indicator #1

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2E-S14 2E-S08	22-4	Laundry Room: Combustible Gas Detector (Trouble) Future	28 Laundry Room	2E-S08	22	White	Gas Trouble Signal	In 6
				2E-S08	22	Black	Common	Neg

OR (1-9) Input / 7

Mud Room: Motion Detector (Trouble)

9-Zone Combiner / Indicator #1

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2E-S15 2E-S11	22-4	Mud Room: Motion Detector (Trouble)	18 Mud Room	2E-S11	22	White	Signal	In 7
				2E-S11	22	Black	Common	Neg

OR (1-9) Output

One other connection in panel.

Garage: Sensor Trouble

9-Zone Combiner / Indicator #1

Input Address = M1:(8)128

<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				Device Connection
Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-A31	22-2	Garage: Sensor Trouble	3	2H-A31	22	Red	Signal	Out 1-9
2H-A31			This Panel Only	2H-A31	22	Black	Return	Neg

Power In (12 Vdc)

6 other connections in panel.

+12 Vdc Power Bus

9-Zone Combiner / Indicator #1

<i>Source Cable(s)</i>				<i>Source Wires</i>				Device Connection
Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-A20	18-2	+12 Vdc Power Bus	3	2H-A20	18	Red	+12 Vdc	+12 V
2H-A20			This Panel Only	2H-A20	18	Black	12 Vdc Return	Neg

9-Zone Combiner / Indicator (2 of 3)	"Window Status 1"	JTB: 1006-1	Tag Number 0992
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OR (1-3) Input / 1

Lakeside Rm: Window (L)

9-Zone Combiner / Indicator #2

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-S61	22-4	Lakeside Rm: Window (L)	40 Lakeside Rm	3A-S61	22	White	Upper Signal	In 1
3A-S61				3A-S61	22	Black	Lower Return	Neg

OR (1-3) Input / 2

Lakeside Rm: Window (C)

9-Zone Combiner / Indicator #2

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-S62	22-4	Lakeside Rm: Window (C)	40 Lakeside Rm	3A-S62	22	White	Upper Signal	In 2
3A-S62				3A-S62	22	Black	Lower Return	Neg

OR (1-3) Input / 3

Lakeside Rm: Window (R)

9-Zone Combiner / Indicator #2

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-S63	22-4	Lakeside Rm: Window (R)	40 Lakeside Rm	3A-S63	22	White	Upper Signal	In 3
3A-S63				3A-S63	22	Black	Lower Return	Neg

OR (4-6) Input / 4

Woodside Rm: Window (L)

9-Zone Combiner / Indicator #2

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-S64	22-4	Woodside Rm: Window (L)	32 Woodside Rm	3A-S64	22	White	Upper Signal	In 4
3A-S64				3A-S64	22	Black	Return	Neg

OR (4-6) Input / 5

Woodside Rm: Window (C)

9-Zone Combiner / Indicator #2

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-S65	22-4	Woodside Rm: Window (C)	32 Woodside Rm	3A-S65	22	White	Upper Signal	In 5
3A-S65				3A-S65	22	Black	Lower Return	Neg

OR (4-6) Input / 6

Woodside Rm: Window (R)

9-Zone Combiner / Indicator #2

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-S66	22-4	Woodside Rm: Window (R)	32 Woodside Rm	3A-S66	22	White	Upper Signal	In 6
3A-S66				3A-S66	22	Black	Lower Return	Neg

OR (7-9) Input / 7

Woodside Alcove: Window (L)

9-Zone Combiner / Indicator #2

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-S67	22-4	Woodside Alcove: Window (L)	29 Woodside Alcove	3A-S67/68	22	White	R Signal	In 7
3A-S67/68				3A-S67/68	22	Green	L Return	Neg

OR (7-9) Input / 8

Woodside Alcove: Window (R)

9-Zone Combiner / Indicator #2

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
3A-S68 3A-S67/68	22-4	Woodside Alcove: Window (R)	29 Woodside Alcove	3A-S67/68 3A-S67/68	22 22	Red Black	R Signal R Return	In 8 Neg

OR (1-3) Output

One other connection in panel.

Lakeside Window Group

9-Zone Combiner / Indicator #2

Input Address = M1:(9)129

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
2H-A21 2H-A21	22-2	Lakeside Window Group	3 This Panel Only	2H-A21 2H-A21	22 22	Red Black	Signal Return	Out 1-3 Neg

OR (4-6) Output

One other connection in panel.

Woodside Window Group

9-Zone Combiner / Indicator #2

Input Address = M1:(9)130

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
2H-A22 2H-A22	22-2	Woodside Window Group	3 This Panel Only	2H-A22 2H-A22	22 22	Red Black	Signal Return	Out 4-6 Neg

OR (7-9) Output

One other connection in panel.

Woodside Alcove: Windows (All)

9-Zone Combiner / Indicator #2

Input Address = M1:(9)131

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
2H-A34 2H-A34	22-2	Woodside Alcove: Windows (All)	3 This Panel Only	2H-A34 2H-A34	22 22	Red Black	Signal Return	Out 7-9 Neg

Power In (12 Vdc)

6 other connections in panel.

+12 Vdc Power Bus

9-Zone Combiner / Indicator #2

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
2H-A20 2H-A20	18-2	+12 Vdc Power Bus	3 This Panel Only	2H-A20 2H-A20	18 18	Red Black	+12 Vdc 12 Vdc Return	+12 V Neg

9-Zone Combiner / Indicator (3 of 3)	"Window Status 2"	JTB: 1006-1	Tag Number 1118
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OR (1-3) Input / 1

Garage: Window (L)

9-Zone Combiner / Indicator #3

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-S51 2H-S51/52	22-4	Garage: Window (L)	25 Garage	2H-S51/52	22	White	R Signal	In 1
				2H-S51/52	22	Green	L Return	Neg

OR (1-3) Input / 2

Garage: Window (R)

9-Zone Combiner / Indicator #3

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-S52 2H-S51/52	22-4	Garage: Window (R)	25 Garage	2H-S51/52	22	Red	R Signal	In 2
				2H-S51/52	22	Black	R Return	Neg

OR (1-3) Output

One other connection in panel.

Garage: Windows (All)

9-Zone Combiner / Indicator #3

Input Address = M1:(8)119

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A40 2H-A40	22-2	Garage: Windows (All)	3 This Panel Only	2H-A40	22	Red	Signal	Out 1-3
				2H-A40	22	Black	Return	Neg

Power In (12 Vdc)

6 other connections in panel.

+12 Vdc Power Bus

9-Zone Combiner / Indicator #3

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A20 2H-A20	18-2	+12 Vdc Power Bus	3 This Panel Only	2H-A20	18	Red	+12 Vdc	+12 V
				2H-A20	18	Black	12 Vdc Return	Neg

Power Connection Point	"12 Vdc Power Supply Connection Point"	Field Splice	Tag Number na
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Power In

Orange: Panel LV Power Supply

Power Connection Point

<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	
2H-A01	14-4	Orange: Panel LV Power Supply	26	2H-A01	14	Red	+12 Vdc	Supply
2H-A01			White/CN-Panel/2	2H-A01	14	Black	12 Vdc Return	Return
2H-A30	14-4	Orange: Single-point Common	26	2H-A01	14	Green	Common	Return
2H-A01			White/CN-Panel/2					

Power Output / 1

Orange: Panel LV Power Sense

Power Connection Point

<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	
2H-A02	22-4 (S)	Orange: Panel LV Power Sense	26	2H-A02	22	Red	Sense +	Load 1
2H-A02			White/CN-Panel/2	2H-A02	22	Black	Sense -	Return 1

Power Output / 2

6 other connections in panel.

+12 Vdc Power Bus

Power Connection Point

<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	
2H-A20	18-2	+12 Vdc Power Bus	3	2H-A20	18	Red	+12 Vdc	Load 2
2H-A20			This Panel Only	2H-A20	18	Black	12 Vdc Return	Return 2

Relay, SPDT 12 Vdc Compact	"Smoke Detector Power Relay"	Elk: "Compact Relay" Tag Number 0698
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Relay Com (In)

6 other connections in panel.

+12 Vdc Power Bus

Relay, SPDT 12 Vdc Compact

	<u>Source Cable(s)</u>		<u>Source Wires</u>		
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG Wire Color Wire Function Device Connection
2H-A20 2H-A20	18-2	+12 Vdc Power Bus	3 This Panel Only	2H-A20 2H-A20	18 Red +12 Vdc 18 Black 12 Vdc Return Return

Relay NO

One other connection in panel.

Switched Smoke Power

Relay, SPDT 12 Vdc Compact

Output On

	<u>Load Cable(s)</u>		<u>Load Cable Wires</u>		
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG Wire Color Wire Function Device Connection
2H-A19 2H-A19	18-2	Switched Smoke Power	3 This Panel Only	2H-A19 2H-A19	18 Red Switched +12 Vdc NO 18 Black Return Return

Control In

Orange: Smoke Power Pilot

Relay, SPDT 12 Vdc Compact

Input On

	<u>Source Cable(s)</u>		<u>Source Wires</u>		
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG Wire Color Wire Function Device Connection
2H-A18 2H-A18	22-2	Orange: Smoke Power Pilot	24 White/CN-Panel/1	2H-A18 2H-A18	22 Red Smoke Signal Coil (+) 22 Black Return Coil (-)

Pass-Thru, Signal Set (1 of 9) "Door Contact Pass-Thru For Lakeside Security Keypad" Field Splice Tag Number na

Input

Upper Storage & Utility Room Doors

Pass-Thru, Signal Set #1

Input M1:(D)197

Circuit ID		Style	Location & Name	Length & Destination
Cable ID				
3A-S70	3A-S70	22-2	Upper Storage Rm: Door	22 Upper Storage Rm
3A-S71	3A-S71	22-2	Upper Utility Rm: Door	38 Upper Utility Rm

Cable ID	AWG	Source Wires		Device Connection
		Wire Color	Wire Function	
3A-S70	22	Red	Signal	Signal
3A-S70	22	Black	Signal Return	Return
3A-S71	22	Red	Signal	Signal
3A-S71	22	Black	Signal Return	Return

Cable ID	Style	Load Cable(s)	
		Circuit Branch Name / Function	Cable Origin
3A-A93	18-2	Lakeside Rm: Security Keypad Contact (05)	Lakeside Rm

Cable ID	AWG	Load Cable Wires		Device Connection
		Wire Color	Wire Function	
3A-A93	18	Red	Signal	Signal
3A-A93	18	Black	Signal Retrun	Return

Output

Lakeside Rm: Security Keypad Contact (05)

Pass-Thru, Signal Set #1

Input Address = M1:(D)197

Circuit ID		Style	Location & Name	Length & Destination
Cable ID				
3A-A93	3A-A93	18-2	Lakeside Rm: Security Keypad Contact (05)	33 Lakeside Rm

Cable ID	AWG	Load Cable Wires		Device Connection
		Wire Color	Wire Function	
3A-A93	18	Red	Signal	Signal
3A-A93	18	Black	Signal Retrun	Return

Cable ID	Style	Source Cable(s)	
		Circuit Branch Name / Function	Cable Origin
3A-S70	22-2	Upper Storage Rm: Door	Upper Storage Rm
3A-S71	22-2	Upper Utility Rm: Door	Upper Utility Rm

Cable ID	AWG	Source Wires		Device Connection
		Wire Color	Wire Function	
3A-S70	22	Red	Signal	Signal
3A-S70	22	Black	Signal Return	Return
3A-S71	22	Red	Signal	Signal
3A-S71	22	Black	Signal Return	Return

Pass-Thru, Signal Set (2 of 9) "EM Pass-Thru Set 1 (Sensors)" Field Splice Tag Number na

Input

Upper Bath: Door

Pass-Thru, Signal Set #2

Input C6:X111

<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	Device Connection
3A-S69	22-2	Upper Bath: Door	15	3A-S69	22	Red	Signal	Signal
3A-S69			Upper Bath	3A-S69	22	Black	Signal Return	Return
<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				Device Connection
Cable ID	Style	Circuit Branch Name / Function	Cable Origin	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-S03	22-4	Upper Bath: Door (3A-S69)	White/CN-Panel/2	2H-S03	22	White	Signal	Signal
				2H-S03	22	Black	Return	Return

Output

Upper Bath: Door (3A-S69)

Pass-Thru, Signal Set #2

Input Address = C6:X111

<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	Device Connection
2H-S03	22-4	Upper Bath: Door (3A-S69)	26	2H-S03	22	White	Signal	Signal
2H-S03			White/CN-Panel/2	2H-S03	22	Black	Return	Return
<i>Source Cable(s)</i>				<i>Source Wires</i>				Device Connection
Cable ID	Style	Circuit Branch Name / Function	Cable Origin	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-S69	22-2	Upper Bath: Door	Upper Bath	3A-S69	22	Red	Signal	Signal
				3A-S69	22	Black	Signal Return	Return

Pass-Thru, Signal Set (3 of 9) "EM Signal Pass-thru Set 2 (Floor Heat)" Field Splice Tag Number na

Input

Garage: Floor Heat Setback - Upper Bath

Pass-Thru, Signal Set #3

Input tbd

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2H-A08 2H-A08	22-4	Garage: Floor Heat Setback - Upper Bath	26 White/CN-Panel/2

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A08	22	Red	Terminal B	Signal
2H-A08	22	Black	Terminal A	Return

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
3A-A83	22-2	Upper Bath: Floor Heat Setback	Upper Bath

Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-A83	22	Red	Terminal B	Signal
3A-A83	22	Black	Terminal A	Return

Output

Upper Bath: Floor Heat Setback

Pass-Thru, Signal Set #3

Output tbd

Circuit ID Cable ID	Style	Location & Name	Length & Destination
3A-A83 3A-A83	22-2	Upper Bath: Floor Heat Setback	15 Upper Bath

Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-A83	22	Red	Terminal B	Signal
3A-A83	22	Black	Terminal A	Return

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
2H-A08	22-4	Garage: Floor Heat Setback - Upper Bath	White/CN-Panel/2

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A08	22	Red	Terminal B	Signal
2H-A08	22	Black	Terminal A	Return

Pass-Thru, Signal Set (4 of 9) "EM Signal Pass-thru Set 3 (Bathroom Window Close)" Field Splice Tag Number na

Input

Garage: Bathroom Window Close Call

Pass-Thru, Signal Set #4

Input tbd

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2H-A09 2H-A08	22-4	Garage: Bathroom Window Close Call	26 White/CN-Panel/2

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A08	22	White	Terminal B	Signal
2H-A08	22	Green	Terminal A	Return

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
3A-A82	18-4	Upper Bath: Window Close Call	Upper Bath

Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-A82	18	Red	Terminal 1B	Signal
3A-A82	18	Black	Terminal 1A	Return

Output

Upper Bath: Window Close Call

Pass-Thru, Signal Set #4

Output tbd

Circuit ID Cable ID	Style	Location & Name	Length & Destination
3A-A82 3A-A82	18-4	Upper Bath: Window Close Call	15 Upper Bath

Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-A82	18	Red	Terminal 1B	Signal
3A-A82	18	Black	Terminal 1A	Return

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
2H-A08	22-4	Garage: Bathroom Window Close Call	White/CN-Panel/2

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A08	22	White	Terminal B	Signal
2H-A08	22	Green	Terminal A	Return

Pass-Thru, Signal Set (5 of 9) "Upper Bath Emerg Control Pass-thru" Field Splice Tag Number na

Input / Channel #1

Pass-Thru, Signal Set #5

Input Address = C1:X111

<i>Source Cable(s)</i>			
Circuit ID Cable ID	Style	Location & Name	Length & Destination
3A-A90 3A-A90	22-6	Upper Bath Lighting Xfer Switch "On" Call	26 White/CN-Panel/2

<i>Load Cable(s)</i>			
Cable ID	Style	Circuit Branch Name / Function	Cable Origin
3A-A12	22-4	Upper Bath Lighting Xfer Switch (Ext of 3A-A90)	Upper Bath

<i>Source Wires</i>				
Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-A90	22	White	"On" Call	Signal #1
3A-A90	22	Black	Ground	Return

<i>Load Cable Wires</i>				
Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-A12	22	White	"On" Call	Signal #1
3A-A12	22	Black	Return	Return

Upper Bath Lighting Xfer Switch "On" Call

Input / Channel #2

Pass-Thru, Signal Set #5

Input Address = C1:X112

<i>Source Cable(s)</i>			
Circuit ID Cable ID	Style	Location & Name	Length & Destination
3A-A06 3A-A90	22-6	Upper Bath Lighting Xfer Switch "Norm" Call	26 White/CN-Panel/2

<i>Load Cable(s)</i>			
Cable ID	Style	Circuit Branch Name / Function	Cable Origin
3A-A12	22-4	Upper Bath Lighting Xfer Switch - Norm (Ext of 3A-A06)	Upper Bath

<i>Source Wires</i>				
Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-A90	22	Green	Norm Call	Signal #2
3A-A90	22	Black	Ground	Return

<i>Load Cable Wires</i>				
Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-A12	22	Green	"Norm" Call	Signal #2
3A-A12	22	Black	Return	Return

Upper Bath Lighting Xfer Switch "Norm" Call

Input / Channel #3

Pass-Thru, Signal Set #5

Output Address = C1:Y001

<i>Source Cable(s)</i>			
Circuit ID Cable ID	Style	Location & Name	Length & Destination
3A-A91 3A-A90	22-6	On-Generator Indicator	26 White/CN-Panel/2

<i>Load Cable(s)</i>			
Cable ID	Style	Circuit Branch Name / Function	Cable Origin
3A-A12	22-4	Upper Bath On-Generator Indicator (Ext of 3A-A91)	Upper Bath

<i>Source Wires</i>				
Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-A90	22	Red	"On Generator"	Signal #3
3A-A90	22	Black	Ground	Return

<i>Load Cable Wires</i>				
Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-A12	22	Red	On Generator Signal	Signal #3
3A-A12	22	Black	Return	Return

On-Generator Indicator

Output / Channel #1

Pass-Thru, Signal Set #5

Output C1:X111

<i>Load Cable(s)</i>			
Circuit ID Cable ID	Style	Location & Name	Length & Destination
3A-A12 3A-A12	22-4	Upper Bath Lighting Xfer Switch (Ext of 3A-A90)	15 Upper Bath

<i>Source Cable(s)</i>			
Cable ID	Style	Circuit Branch Name / Function	Cable Origin
3A-A90	22-6	Upper Bath Lighting Xfer Switch "On" Call	White/CN-Panel/2

<i>Load Cable Wires</i>				
Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-A12	22	White	"On" Call	Signal #1
3A-A12	22	Black	Return	Return

<i>Source Wires</i>				
Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-A90	22	White	"On" Call	Signal #1
3A-A90	22	Black	Ground	Return

Upper Bath Lighting Xfer Switch (Ext of 3A-A90)

Output / Channel #2

Upper Bath Lighting Xfer Switch - Norm (Ext of 3A-A06)

Pass-Thru, Signal Set #5

<i>Output</i>	C1:X112
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Circuit ID Cable ID	Style	Location & Name	Length & Destination
3A-A15 3A-A12	22-4	Upper Bath Lighting Xfer Switch - Norm (Ext of 3A-A06)	15 Upper Bath

Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-A12	22	Green	"Norm" Call	Signal #2
3A-A12	22	Black	Return	Return

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
3A-A90	22-6	Upper Bath Lighting Xfer Switch "Norm" Call	White/CN-Panel/2

Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-A90	22	Green	Norm Call	Signal #2
3A-A90	22	Black	Ground	Return

Output / Channel #3

Upper Bath On-Generator Indicator (Ext of 3A-A91)

Pass-Thru, Signal Set #5

<i>Output</i>	C1:Y001
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Circuit ID Cable ID	Style	Location & Name	Length & Destination
3A-A16 3A-A12	22-4	Upper Bath On-Generator Indicator (Ext of 3A-A91)	15 Upper Bath

Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-A12	22	Red	On Generator Signal	Signal #3
3A-A12	22	Black	Return	Return

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
3A-A90	22-6	On-Generator Indicator	White/CN-Panel/2

Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-A90	22	Red	"On Generator"	Signal #3
3A-A90	22	Black	Ground	Return

Pass-Thru, Signal Set (6 of 9) "Lakeside Rm Emerg Lighting Pass-Thru Set" Field Splice Tag Number na

Input / Channel #1

Pass-Thru, Signal Set #6

Input Address = C1:X109

<i>Source Cable(s)</i>			
Circuit ID Cable ID	Style	Location & Name	Length & Destination
3A-A87 3A-A87	22-12	Lakeside Room Lighting Xfer Switch "On" Call	26 White/CN-Panel/2

<i>Load Cable(s)</i>			
Cable ID	Style	Circuit Branch Name / Function	Cable Origin
3A-A14	22-8	Lakeside Lighting Xfer Switch - On (ext of 3A-A87)	Lakeside Rm

Lakeside Room Lighting Xfer Switch "On" Call

<i>Source Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
3A-A87	22	Brown	"On" Call	Signal #1
3A-A87	22	Black	Ground	Return

<i>Load Cable Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
3A-A14	22	Brown	"On" Call Signal	Signal #1
3A-A14	22	Black	Return	Return

Input / Channel #2

Pass-Thru, Signal Set #6

Input Address = C1:X110

<i>Source Cable(s)</i>			
Circuit ID Cable ID	Style	Location & Name	Length & Destination
3A-A05 3A-A87	22-12	Lakeside Xfer Switch - "Norm"	26 White/CN-Panel/2

<i>Load Cable(s)</i>			
Cable ID	Style	Circuit Branch Name / Function	Cable Origin
3A-A14	22-8	Lakeside Xfer Switch - "Norm" (ext of 3A-A05)	Lakeside Rm

Lakeside Xfer Switch - "Norm"

<i>Source Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
3A-A87	22	Blue	Norm Call	Signal #2
3A-A87	22	Black	Ground	Return

<i>Load Cable Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
3A-A14	22	Blue	"Norm" Call Signal	Signal #2
3A-A14	22	Black	Return	Return

Input / Channel #3

Pass-Thru, Signal Set #6

Output Address = C1:Y001

<i>Source Cable(s)</i>			
Circuit ID Cable ID	Style	Location & Name	Length & Destination
3A-A89 3A-A87	22-12	On-Generator Indicator	26 White/CN-Panel/2

<i>Load Cable(s)</i>			
Cable ID	Style	Circuit Branch Name / Function	Cable Origin
3A-A14	22-8	Lakeside Rm On-Generator Indicator (ext of 3A-A89)	Lakeside Rm

On-Generator Indicator

<i>Source Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
3A-A87	22	Red	"On Generator"	Signal #3
3A-A87	22	Black	Ground	Return

<i>Load Cable Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
3A-A14	22	Red	On Generator Signal	Signal #3
3A-A14	22	Black	Return	Return

Input / Channel #4

Pass-Thru, Signal Set #6

Input Address = C1:X107

<i>Source Cable(s)</i>			
Circuit ID Cable ID	Style	Location & Name	Length & Destination
3A-A88 3A-A87	22-12	Upper Bar Lighting Xfer Switch "On"	26 White/CN-Panel/2

<i>Load Cable(s)</i>			
Cable ID	Style	Circuit Branch Name / Function	Cable Origin
3A-A14	22-8	Upper Bar Lighting Xfer Switch - On (ext of 3A-A88)	Lakeside Rm

Upper Bar Lighting Xfer Switch "On"

<i>Source Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
3A-A87	22	White	"On" Call	Signal #4
3A-A87	22	Black	Ground	Return

<i>Load Cable Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
3A-A14	22	White	"On" Call Signal	Signal #4
3A-A14	22	Black	Return	Return

Input / Channel #5

Pass-Thru, Signal Set #6

Input Address = C1:X108

<i>Source Cable(s)</i>			
Circuit ID Cable ID	Style	Location & Name	Length & Destination
3A-A04 3A-A87	22-12	Upper Bar Lighting Xfer Switch "Norm" Call	26 White/CN-Panel/2

<i>Load Cable(s)</i>			
Cable ID	Style	Circuit Branch Name / Function	Cable Origin
3A-A14	22-8	Upper Bar Lighting Xfer Switch - Norm (ext of 3A-A04)	Lakeside Rm

Upper Bar Lighting Xfer Switch "Norm" Call

<i>Source Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
3A-A87	22	Black	Ground	Signal #5
3A-A87	22	Green	Norm Call	Return

<i>Load Cable Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
3A-A14	22	Green	"Norm" Call Signal	Signal #5
3A-A14	22	Black	Return	Return

Output / Channel #1

Pass-Thru, Signal Set #6

Output C1:X109

<i>Load Cable(s)</i>			
Circuit ID Cable ID	Style	Location & Name	Length & Destination
3A-A14 3A-A14	22-8	Lakeside Lighting Xfer Switch - On (ext of 3A-A87)	40 Lakeside Rm

<i>Source Cable(s)</i>			
Cable ID	Style	Circuit Branch Name / Function	Cable Origin
3A-A87	22-12	Lakeside Room Lighting Xfer Switch "On" Call	White/CN-Panel/2

Lakeside Lighting Xfer Switch - On (ext of 3A-A87)

<i>Load Cable Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
3A-A14	22	Brown	"On" Call Signal	Signal #1
3A-A14	22	Black	Return	Return

<i>Source Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
3A-A87	22	Brown	"On" Call	Signal #1
3A-A87	22	Black	Ground	Return

Output / Channel #2

Pass-Thru, Signal Set #6

Output C1:X110

<i>Load Cable(s)</i>			
Circuit ID Cable ID	Style	Location & Name	Length & Destination
3A-A17 3A-A14	22-8	Lakeside Xfer Switch - "Norm" (ext of 3A-A05)	40 Lakeside Rm

<i>Source Cable(s)</i>			
Cable ID	Style	Circuit Branch Name / Function	Cable Origin
3A-A87	22-12	Lakeside Xfer Switch - "Norm"	White/CN-Panel/2

Lakeside Xfer Switch - "Norm" (ext of 3A-A05)

<i>Load Cable Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
3A-A14	22	Blue	"Norm" Call Signal	Signal #2
3A-A14	22	Black	Return	Return

<i>Source Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
3A-A87	22	Blue	Norm Call	Signal #2
3A-A87	22	Black	Ground	Return

Output / Channel #3

Pass-Thru, Signal Set #6

Output C1:Y001

<i>Load Cable(s)</i>			
Circuit ID Cable ID	Style	Location & Name	Length & Destination
3A-A18 3A-A14	22-8	Lakeside Rm On-Generator Indicator (ext of 3A-A89)	40 Lakeside Rm

<i>Source Cable(s)</i>			
Cable ID	Style	Circuit Branch Name / Function	Cable Origin
3A-A87	22-12	On-Generator Indicator	White/CN-Panel/2

Lakeside Rm On-Generator Indicator (ext of 3A-A89)

<i>Load Cable Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
3A-A14	22	Red	On Generator Signal	Signal #3
3A-A14	22	Black	Return	Return

<i>Source Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
3A-A87	22	Red	"On Generator"	Signal #3
3A-A87	22	Black	Ground	Return

Output / Channel #4

Pass-Thru, Signal Set #6

Output C1:X107

<i>Load Cable(s)</i>			
Circuit ID Cable ID	Style	Location & Name	Length & Destination
3A-A19 3A-A14	22-8	Upper Bar Lighting Xfer Switch - On (ext of 3A-A88)	40 Lakeside Rm

<i>Source Cable(s)</i>			
Cable ID	Style	Circuit Branch Name / Function	Cable Origin
3A-A87	22-12	Upper Bar Lighting Xfer Switch "On"	White/CN-Panel/2

Upper Bar Lighting Xfer Switch - On (ext of 3A-A88)

<i>Load Cable Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
3A-A14	22	White	"On" Call Signal	Signal #4
3A-A14	22	Black	Return	Return

<i>Source Wires</i>				Device Connection
Cable ID	AWG	Wire Color	Wire Function	
3A-A87	22	White	"On" Call	Signal #4
3A-A87	22	Black	Ground	Return

Output / Channel #5

Upper Bar Lighting Xfer Switch - Norm (ext of 3A-A04)

Pass-Thru, Signal Set #6

<i>Output</i>	C1:X108
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<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				Device Connection
Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
3A-A20	22-8	Upper Bar Lighting Xfer Switch - Norm (ext of 3A-A04)	40	3A-A14	22	Green	"Norm" Call Signal	Signal #5
3A-A14			Lakeside Rm	3A-A14	22	Black	Return	Return

<i>Source Cable(s)</i>				<i>Source Wires</i>				Device Connection
Cable ID	Style	Circuit Branch Name / Function	Cable Origin	Cable ID	AWG	Wire Color	Wire Function	
3A-A87	22-12	Upper Bar Lighting Xfer Switch "Norm" Call	White/CN-Panel/2	3A-A87	22	Black	Ground	Signal #5
				3A-A87	22	Green	Norm Call	Return

Pass-Thru, Signal Set (7 of 9) "Garage Emer Lighting Pass-Thru Set" Field Splice Tag Number na

Input / Channel #1

Pass-Thru, Signal Set #7

Input Address = C1:X105

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2H-A66 2H-A66	22-6	Garage Lighting Xfer Switch "On" Call	25 White/CN-Panel/2

Garage Lighting Xfer Switch "On" Call

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A66	22	Black	Return	Signal #1
2H-A66	22	White	"On" Call	Return

Input / Channel #2

Pass-Thru, Signal Set #7

Input Address = C1:X106

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2H-A10 2H-A66	22-6	Garage Lighting Xfer Switch "Norm" Call	25 White/CN-Panel/2

Garage Lighting Xfer Switch "Norm" Call

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A66	22	Green	Norm Call	Signal #2
2H-A66	22	Black	Return	Return

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
2H-A25	22-4	Garage Lighting Xfer Switch - Norm (ext of 2H-A10)	No connections

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A25	22	Green	"Norm" Call Signal	Signal #2
2H-A25	22	Black	Return	Return

Input / Channel #3

Pass-Thru, Signal Set #7

Output Address = C1:Y001

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2H-A67 2H-A66	22-6	Garage On-Generator Indicator	25 White/CN-Panel/2

Garage On-Generator Indicator

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A66	22	Red	"On Generator"	Signal #3
2H-A66	22	Black	Return	Return

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
2H-A25	22-4	Garage On-Generator Indicator (ext of 2H-A67)	Garage

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A25	22	Red	On Gen Signal	Signal #3
2H-A25	22	Black	Return	Return

Output / Channel #1

Pass-Thru, Signal Set #7

Output tbd

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2H-A25 2H-A25	22-4	Garage Lighting Xfer Switch - On (ext of 2H-A66)	25 Garage (@Orange/CN-Panel/1)

Garage Lighting Xfer Switch - On (ext of 2H-A66)

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A25	22	White	"On" Call Signal	Signal #1
2H-A25	22	Black	Return	Return

Output / Channel #2

Pass-Thru, Signal Set #7

Output C1:X106

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2H-A27 2H-A25	22-4	Garage Lighting Xfer Switch - Norm (ext of 2H-A10)	25 No connections

Garage Lighting Xfer Switch - Norm (ext of 2H-A10)

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A25	22	Green	"Norm" Call Signal	Signal #2
2H-A25	22	Black	Return	Return

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
2H-A66	22-6	Garage Lighting Xfer Switch "Norm" Call	White/CN-Panel/2

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A66	22	Green	Norm Call	Signal #2
2H-A66	22	Black	Return	Return

Output / Channel #3

Garage On-Generator Indicator (ext of 2H-A67)

Pass-Thru, Signal Set #7

<i>Output</i>	C1:Y001
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<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				Device Connection
Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
2H-A28	22-4	Garage On-Generator Indicator (ext of 2H-A67)	25	2H-A25	22	Red	On Gen Signal	Signal #3
2H-A25			Garage	2H-A25	22	Black	Return	Return

<i>Source Cable(s)</i>				<i>Source Wires</i>				Device Connection
Cable ID	Style	Circuit Branch Name / Function	Cable Origin	Cable ID	AWG	Wire Color	Wire Function	
2H-A66	22-6	Garage On-Generator Indicator	White/CN-Panel/2	2H-A66	22	Red	"On Generator"	Signal #3
				2H-A66	22	Black	Return	Return

Pass-Thru, Signal Set (8 of 9) "Lakeside Rm Door Signal Pass-Thru" Field Splice Tag Number na

Input / Channel #1

Lakeside Rm Stairway Door Closed

Pass-Thru, Signal Set #8

Input On

<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	
3A-S60	22-2	Lakeside Rm Stairway Door Closed	29	3A-S60	22	Red	Signal	Signal #1
3A-S60			Silver/CN-Panel	3A-S60	22	Black	Ground	Return

Output / Channel #1

Lakeside Rm: Stairway Door Closed (Ext of 3A-S60)

Pass-Thru, Signal Set #8

Output tbd

<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	
3A-S07	22-2	Lakeside Rm: Stairway Door Closed (Ext of 3A-S60)	40	3A-S07	22	Red	Signal	Signal #1
3A-S07			Lakeside Rm	3A-S07	22	Black	Return	Return

Pass-Thru, Signal Set (9 of 9)	"EM - Upper Bath Open Status"	Field Splice Tag Number na
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Input / Channel #1

Pass-Thru, Signal Set #9

<i>Source Cable(s)</i>				<i>Source Wires</i>				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-A21 3A-A82	18-4	Upper Bath: Window Open Status	15 No connections	3A-A82 3A-A82	18 18	White Green	Signal Return	Signal #1 Return
<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				
Cable ID	Style	Circuit Branch Name / Function	Cable Origin	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A26	22-2	Upper Bath: Window Open Status	White/CN-Panel/2	2H-A26 2H-A26	22 22	Red Black	Signal Signal Retrun	Signal #1 Return

Upper Bath: Window Open Status

Output / Channel #1

Pass-Thru, Signal Set #9

Input Address = C6:X209

<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2H-A26 2H-A26	22-2	Upper Bath: Window Open Status	26 White/CN-Panel/2	2H-A26 2H-A26	22 22	Red Black	Signal Signal Retrun	Signal #1 Return
<i>Source Cable(s)</i>				<i>Source Wires</i>				
Cable ID	Style	Circuit Branch Name / Function	Cable Origin	Cable ID	AWG	Wire Color	Wire Function	Device Connection
3A-A82	18-4	Upper Bath: Window Open Status	No connections	3A-A82 3A-A82	18 18	White Green	Signal Return	Signal #1 Return

Upper Bath: Window Open Status

Spare Cable Group Tag Number
na

Not Connected / #1

Lakeside Rm: spare (Former Door Release)

Spare Cable Group

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
3A-A84 3A-A84	18-4	Lakeside Rm: spare (Former Door Release)	40 Lakeside Rm					

Not Connected / #2

Upper Storage Rm: Automation Receiver (Data) (Provision)

Spare Cable Group

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
3A-A95 3A-A95	Cat 5e	Upper Storage Rm: Automation Receiver (Data) (Provision)	22 Upper Storage Rm					

Not Connected / #3

Upper Storage Rm: Automation Receiver (Power) (Provision)

Spare Cable Group

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
3A-A96 3A-A96	18-2	Upper Storage Rm: Automation Receiver (Power) (Provision)	22 Upper Storage Rm					

Not Connected / #4

Upper Bath: spare

Spare Cable Group

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
3A-A13 3A-A13	22-4	Upper Bath: spare	10 Upper Bath					

Not Connected / #5

Lakeside Rm: spare

Spare Cable Group

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
3A-S06 3A-S06	22-2	Lakeside Rm: spare	38 Lakeside Rm					

Not Connected / #6

Garage: spare

Spare Cable Group

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-S08 2H-S08	22-2	Garage: spare	24 White/CN-Panel/1					

Not Connected / #7

Garage: spare

Spare Cable Group

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-A24 2H-A24	22-12	Garage: spare	26 White/CN-Panel/2					

Not Connected / #9

Upper Storage Rm: spare 18-2 @ Cable Port 18-2

Spare Cable Group

Circuit ID		Load Cable(s)		Load Cable Wires				Device Connection
Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
3A-A09	18-2	Upper Storage Rm: spare 18-2 @ Cable Port 18-2	14					
3A-A09			Upper Storage Rm (Cable Port 10)					
