

M1 16 Zone Input Module (1 of 2)	"Input Expander 3-1 (06)"	Elk Products: ELK-M1XIN Tag Number 0149
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Discrete In / 01

One other connection in panel.

BR 2: Windows (All)

M1 16 Zone Input Module #1

Input Address = M1:(6)081

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-A32	22-2	BR 2: Windows - All	3 This Panel Only	1G-A32	22	Red	Signal	Z01
1G-A32				1G-A32	22	Black	Return	NEG

Discrete In / 02

BR 2: Smoke Detector (Signal)

M1 16 Zone Input Module #1

Input Address = M1:(6)082

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2G-S05	22-4	BR 2: Smoke Detector (Signal)	20 BR 2	2G-S05	22	Green	Smoke Signal	Z02
2G-S05				2G-S05	22	White	Signal Return	NEG

Discrete In / 03

BR 2: CO Detector (Signal)

M1 16 Zone Input Module #1

Input Address = M1:(6)083

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2G-S06	22-4	BR 2: CO Detector (Signal)	20 BR 2	2G-S06	22	White	CO Signal	Z03
2G-S06				2G-S06	22	Black	Common	NEG

Discrete In / 04

One other connection in panel.

BR 3: Windows (All)

M1 16 Zone Input Module #1

Input Address = M1:(6)084

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-A49	22-2	BR 3: Windows (All)	3 This Panel Only	1G-A49	22	Red	Signal	Z04
1G-A49				1G-A49	22	Black	Signal Return	NEG

Discrete In / 05

BR 3 Hall: Smoke Detector (Signal)

M1 16 Zone Input Module #1

Input Address = M1:(6)085

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2F-S07	22-8	BR 3 Hall: Smoke Detector (Signal)	16 BR 3 Hall	2F-S07	22	Green	Signal	Z05
2F-S07				2F-S07	22	White	Signal Return	NEG

Discrete In / 06

BR 3: Smoke Detector (Signal)

M1 16 Zone Input Module #1

Input Address = M1:(6)086

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2F-S11	22-4	BR 3: Smoke Detector (Signal)	23 BR 3	2F-S11	22	Green	Smoke Signal	Z06
2F-S11				2F-S11	22	White	Signal Return	NEG

Discrete In / 07

BR 3: CO Detector (Signal)

M1 16 Zone Input Module #1

Input Address = M1:(6)087

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2F-S12	22-4	BR 3: CO Detector (Signal)	23 BR 3	2F-S12	22	White	CO Signal	Z07
2F-S12				2F-S12	22	Black	Common	NEG

Discrete In / 08

One other connection in panel.

Changing Room Hall: Windows (All)

M1 16 Zone Input Module #1

Input Address = M1:(6)088

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	
1G-A50 1G-A50	22-2	Changing Room Hall: Windows (All)	3 This Panel Only	1G-A50 1G-A50	22 22	Red Black	Signal Signal Return	Z08 NEG	

Discrete In / 09

Changing Room B: Window

M1 16 Zone Input Module #1

Input Address = M1:(6)089

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-S07 1H-S07	22-2	Changing Room B: Window	28 Changing Room B	1H-S07 1H-S07	22 22	Red Black	Signal Signal Return	Z09 NEG	

Discrete In / 10

Lobby: Motion Detector (Signal)

M1 16 Zone Input Module #1

Input Address = M1:(6)090

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	
1E-S04 1E-S04	22-4	Lobby: Motion Detector (Signal)	35 Lobby	1E-S04 1E-S04	22 22	Green Black	Signal Common	Z10 NEG	

Discrete In / 11

[M1:(6)091]

M1 16 Zone Input Module #1

Input

Change

Source Cable(s)				Length & Destination
Circuit ID Cable ID	Style	Location & Name		

Discrete In / 12

Lounge Entry: Shop Door

M1 16 Zone Input Module #1

Input Address = M1:(6)092

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	
1G-S05 1G-S05	22-2	Lounge Entry: Shop Door	19 Lounge Entry	1G-S05 1G-S05	22 22	Red Black	Signal Signal Return	Z12 NEG	

Discrete In / 13

Lobby Fridge: Refrigeration Alarm (Signal)

M1 16 Zone Input Module #1

Input Address = M1:(6)093

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	
1E-S01 1E-S01	22-4	Lobby Fridge: Refrigeration Alarm (Signal)	21 Lobby Fridge	1E-S01 1E-S01	22 22	Green White	Signal Signal Return	Z13 NEG	

Discrete In / 14

: Door

M1 16 Zone Input Module #1

Input Address = M1:(6)094

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	
1E-S02 1E-S02	22-2	: Door	24	1E-S02 1E-S02	22 22	Red Black	Signal Signal Return	Z14 NEG	

Discrete In / 15

Foot of Lower Stairs: Smoke Detector (Signal)

M1 16 Zone Input Module #1

Input Address = M1:(6)095

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	
1E-S03 1E-S03	22-4	Foot of Lower Stairs: Smoke Detector (Signal)	31 Foot of Lower Stairs	1E-S03 1E-S03	22 22	Green White	Signal Signal Return	Z15 NEG	

Discrete In / 16

One other connection in panel.

Water Detector (Changing Rooms & Lounge) (Signal)

M1 16 Zone Input Module #1

Input Address = M1:(6)096

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1G-S15 1G-S15	22-2	Water Detector (Changing Rooms & Lounge) (Signal)	3 This Panel Only	1G-S15 1G-S15	22 22	Red Black	Signal Signal Return	Z16 NEG

Data Bus

One other connection in panel.

M1G Data Bus - Input Expander 3-1 (06)

M1 16 Zone Input Module #1

Superior Address = M1:(3)J5

Upstream Cable				Upstream Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1G-C13 1G-C13	Cat 5 (M1)	M1G Data Bus - Input Expander 3-1 (06)	3 This Panel Only	1G-C13 1G-C13 1G-C13 1G-C13 1G-C13 1G-C13	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 3-2 (07)"	Elk Products: ELK-M1XIN Tag Number 0156
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Discrete In / 01

Lounge Sitting Area: Smoke Detector (Signal)

M1 16 Zone Input Module #2

Input Address = M1:(7)097

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-S03	22-4	Lounge Sitting Area: Smoke Detector (Signal)	20	1G-S03	22	Green	Signal	Z01
1G-S03		Lounge Sitting Area		1G-S03	22	White	Signal Return	NEG

Discrete In / 02

One other connection in panel.

Lounge Sitting Area: Windows (All)

M1 16 Zone Input Module #2

Input Address = M1:(7)098

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-A51	22-2	Lounge Sitting Area: Windows (All)	3	1G-A51	22	Red	Signal	Z02
1G-A51			This Panel Only	1G-A51	22	Black	Signal Return	NEG

Discrete In / 03

Lounge Sitting Area: Motion Detector (Signal)

M1 16 Zone Input Module #2

Input Address = M1:(7)099

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-S07	22-4	Lounge Sitting Area: Motion Detector (Signal)	27	1G-S07	22	Green	Signal	Z03
1G-S07		Lounge Sitting Area		1G-S07	22	White	Signal Return	NEG

Discrete In / 04

Shop: Overhead Door

M1 16 Zone Input Module #2

Input Address = M1:(7)100

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1K-S04	22-2	Shop: Overhead Door	31	1K-S04	22	Red	Signal	Z04
1K-S04		Shop		1K-S04	22	Black	Signal Return	NEG

Discrete In / 05

Shop: Smoke Detector (Signal)

M1 16 Zone Input Module #2

Input Address = M1:(7)101

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1K-S06	22-4	Shop: Smoke Detector (Signal)	22	1K-S06	22	Green	Signal	Z05
1K-S06		Shop		1K-S06	22	White	Signal Return	NEG

Discrete In / 06

Shop: CO Detector (Signal)

M1 16 Zone Input Module #2

Input Address = M1:(7)102

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1K-S07	22-6	Shop: CO Detector (Signal)	17	1K-S07	22	Green	CO Signal	Z06
1K-S07		Shop		1K-S07	22	Black	Common	NEG

Discrete In / 07

Shop: Combustible Gas Detector (Signal)

M1 16 Zone Input Module #2

Input Address = M1:(7)103

Change

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1K-S08	22-6	Shop: Combustible Gas Detector (Signal)	15	1K-S08	22	Green	Signal	Z07
1K-S08		Shop		1K-S08	22	Black	Common	NEG

Discrete In / 08

Shop: Motion Detector (Signal)

M1 16 Zone Input Module #2

Input Address = M1:(7)104

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-S09	22-4	Shop: Motion Detector (Signal)	18 Shop	1K-S09	22	Green	Signal	Z08
1K-S09				1K-S09	22	White	Signal Return	NEG

Discrete In / 09

One other connection in panel.

Water Detector (BR 2/3 Bath) (Signal)

M1 16 Zone Input Module #2

Input Address = M1:(7)105

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
1G-S14	22-2	Water Detector (BR 2/3 Bath) (Signal)	3 This Panel Only	1G-S14	22	Red	Signal	Z09
1G-S14				1G-S14	22	Black	Signal Return	NEG

Discrete In / 10

Upper-Stairs-Door-Closed-L

M1 16 Zone Input Module #2

Input Address = M1:(7)106

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
2F-A20	22-12	Upper-Stairs-Door-Closed-L	21 Silver/CN-Panel	2F-A17	22	Brown	Upper-Door-Closed-L	Z10
2F-A17				2F-A17	22	Black	Ground	NEG

Discrete In / 11

Lower-Stairs-Door-Closed-L

M1 16 Zone Input Module #2

Input Address = M1:(7)107

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
2F-A19	22-12	Lower-Stairs-Door-Closed-L	21 Silver/CN-Panel	2F-A17	22	Green	Lower-Door-Closed-L	Z11
2F-A17				2F-A17	22	Black	Ground	NEG

Discrete In / 14

One other connection in panel.

Blue Utility Area: Service Trouble

M1 16 Zone Input Module #2

Input On

Input Address = M1:(7)110

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
1G-A41	22-2	Blue Utility Area: Service Trouble	3 This Panel Only	1G-A41	22	Red	Signal	Z14
1G-A41				1G-A41	22	Black	Return	NEG

Data Bus

One other connection in panel.

M1G Data Bus - Input Expander 3-2 (07)

M1 16 Zone Input Module #2

Superior Address = M1:(3)J6

Upstream Cable				Upstream Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-C14	Cat 5 (M1)	M1G Data Bus - Input Expander 3-2 (07)	3 This Panel Only	1G-C14	Cat 5e	Brown	+	+12
1G-C14				1G-C14	Cat 5e	Orange	A	A
1G-C14				1G-C14	Cat 5e	White/Orange	B	B
1G-C14				1G-C14	Cat 5e	Green	A1	A1
1G-C14				1G-C14	Cat 5e	White/Green	B1	B1
1G-C14				1G-C14	Cat 5e	White/Brown	-	Neg

M1 Output Expander 8 Voltage / 8 Relay	"Output Expander 3-1 (03)"	Elk Products: ELK-M1XOVR	Tag Number 0153
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Relay NO (In) / 4

Blue Utility Area: 24 Vdc Power (Line)

M1 Output Expander 8 Voltage / 8 Relay

<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
1G-A16	18-2	Blue Utility Area: 24 Vdc Power (Line)	47	1G-A16	18	Red	+24 Vdc	Out 4 NO
1G-A16			White/CN-Panel/2	1G-A16	18	Black	24 Vdc Return	Return 4
<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
1G-A04	18-2	Lounge Entry: Door Strike	Lounge Entry	1G-A04	18	Red	Switched	Out 4 COM
				1G-A04	18	Black	Return	Return 4

Relay Common / 4

Lounge Entry: Door Strike

M1 Output Expander 8 Voltage / 8 Relay

Output Address = M1:(3a)036

<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
1G-A04	18-2	Lounge Entry: Door Strike	19	1G-A04	18	Red	Switched	Out 4 COM
1G-A04			Lounge Entry	1G-A04	18	Black	Return	Return 4
<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
1G-A16	18-2	Blue Utility Area: 24 Vdc Power (Line)	White/CN-Panel/2	1G-A16	18	Red	+24 Vdc	Out 4 NO
				1G-A16	18	Black	24 Vdc Return	Return 4

Contact Pair / 1

Shop: Gas Heater Override

M1 Output Expander 8 Voltage / 8 Relay

Output Address = M1:(3a)033

<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
1K-A08	18-4	Shop: Gas Heater Override	31	1K-A08	18	Black	Return	Out 1 COM
1K-A08			Shop	1K-A08	18	Red	Signal	Out 1 NC

Contact Pair / 2

Shop: Overhead Door Actuate

M1 Output Expander 8 Voltage / 8 Relay

Output Address = M1:(3a)034

<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
1K-A03	22-4	Shop: Overhead Door Actuate	31	1K-A03	22	Red	Terminal B	Out 2 NO
1K-A03			Shop	1K-A03	22	Black	Terminal A	Out 2 COM

Contact Pair / 3

Shop: Air Filter Enable

M1 Output Expander 8 Voltage / 8 Relay

Output Address = M1:(3a)035

<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
1K-A04	18-2	Shop: Air Filter Enable	31	1K-A04	18	Red	Terminal B	Out 3 NO
1K-A04			Shop	1K-A04	18	Black	Terminal A	Out 3 COM

Contact Pair / 5

#Call-Button-Dim-L

M1 Output Expander 8 Voltage / 8 Relay

Output Address = M1:(3a)037

<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
2F-A10	22-12	#Call-Button-Dim-L	21	2F-A10	22	Red	Dim	Out 5 NO
2F-A10			Silver/CN-Panel	2F-A10	22	Black	Ground	Out 5 COM

Contact Pair / 6

#Stairs-Auto-Close-Call-L

M1 Output Expander 8 Voltage / 8 Relay

Output Address = M1:(3a)038

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
2F-A11	22-12	#Stairs-Auto-Close-Call-L	21	2F-A10	22	White	Auto-Close-L	Out 6 NO
2F-A10			Silver/CN-Panel	2F-A10	22	Black	Ground	Out 6 COM

Contact Pair / 7

#All-Stairs-Close-Call-L

M1 Output Expander 8 Voltage / 8 Relay

Output Address = M1:(3a)039

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
2F-A12	22-12	#All-Stairs-Close-Call-L	21	2F-A10	22	Green	All-Close-L	Out 7 NO
2F-A10			Silver/CN-Panel	2F-A10	22	Black	Ground	Out 7 COM

Contact Pair / 8

#Lower-Stairs-Open-Call-L

M1 Output Expander 8 Voltage / 8 Relay

Output Address = M1:(3a)040

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
2F-A13	22-12	#Lower-Stairs-Open-Call-L	21	2F-A10	22	Brown	Lower-Open-L	Out 8 NO
2F-A10			Silver/CN-Panel	2F-A10	22	Black	Ground	Out 8 COM

Discrete Output / 09

One other connection in panel.

Output Expander Drive 09

M1 Output Expander 8 Voltage / 8 Relay

Output Address = M1:(3b)041

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
1G-A23	22-10	Output Expander Drive 09	3	1G-A23	22	Gray	Signal 09	09
1G-A23			This Panel Only	1G-A23	22	Black	Return	-

Discrete Output / 10

One other connection in panel.

Output Expander Drive 10

M1 Output Expander 8 Voltage / 8 Relay

Output Address = M1:(3b)042

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
1G-A24	22-10	Output Expander Drive 10	3	1G-A23	22	Violet	Signal 10	10
1G-A23			This Panel Only					

Discrete Output / 11

One other connection in panel.

Output Expander Drive 11

M1 Output Expander 8 Voltage / 8 Relay

Output Address = M1:(3b)043

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
1G-A25	22-10	Output Expander Drive 11	3	1G-A23	22	Yellow	Signal 11	11
1G-A23			This Panel Only					

Discrete Output / 12

One other connection in panel.

Output Expander Drive 12

M1 Output Expander 8 Voltage / 8 Relay

Output Address = M1:(3b)044

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
1G-A26	22-10	Output Expander Drive 12	3	1G-A23	22	Orange	Signal 12	12
1G-A23			This Panel Only					

Discrete Output / 13

One other connection in panel.

Output Expander Drive 13

M1 Output Expander 8 Voltage / 8 Relay

Output Address = M1:(3b)045

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
1G-A27	22-10	Output Expander Drive 13	3	1G-A23	22	Blue	Signal 13	13
1G-A23			This Panel Only					

Discrete Output / 14

One other connection in panel.

Output Expander Drive 14

M1 Output Expander 8 Voltage / 8 Relay

Output Address = M1:(3b)046

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1G-A28 1G-A23	22-10	Output Expander Drive 14	3 This Panel Only	1G-A23	22	Brown	Signal 14	14

Discrete Output / 15

One other connection in panel.

Output Expander Drive 15

M1 Output Expander 8 Voltage / 8 Relay

Output Address = M1:(3b)047

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1G-A29 1G-A23	22-10	Output Expander Drive 15	3 This Panel Only	1G-A23	22	Green	Signal 15	15

Discrete Output / 16

One other connection in panel.

Output Expander Drive 16

M1 Output Expander 8 Voltage / 8 Relay

Output Address = M1:(3b)048

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1G-A30 1G-A23	22-10	Output Expander Drive 16	3 This Panel Only	1G-A23	22	White	Signal 16	16

Data Bus

One other connection in panel.

M1G Data Bus - Output Expander 3-1 (03)

M1 Output Expander 8 Voltage / 8 Relay

Superior Address = M1:(3)J7

Upstream Cable				Upstream Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1G-C15 1G-C15	Cat 5 (M1)	M1G Data Bus - Output Expander 3-1 (03)	3 This Panel Only	1G-C15	Cat 5e	Brown	+	+12
				1G-C15	Cat 5e	Orange	A	A
				1G-C15	Cat 5e	White/Orange	B	B
				1G-C15	Cat 5e	Green	A1	A1
				1G-C15	Cat 5e	White/Green	B1	B1
				1G-C15	Cat 5e	White/Brown	-	NEG

M1 Output Relay Board Elk Products: ELK-M1RB Tag Number 0204

Contact Pair, NO / 09

#Lower-Stairs-Close-Call-L

M1 Output Relay Board

Output Address = M1:(3x)041

<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
2F-A14 2F-A10	22-12	#Lower-Stairs-Close-Call-L	21 Silver/CN-Panel	2F-A10 2F-A10	22 22	Blue Black	Lower-Close-L Ground	Out 09 NO Out 09 COM

Contact Pair, NO / 10

#Upper-Stairs-Open-Call-L

M1 Output Relay Board

Output Address = M1:(3x)042

<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
2F-A15 2F-A10	22-12	#Upper-Stairs-Open-Call-L	21 Silver/CN-Panel	2F-A10 2F-A10	22 22	Orange Black	Upper-Open-L Ground	Out 10 NO Out 10 COM

Contact Pair, NO / 11

#Upper-Stairs-Close-Call-L

M1 Output Relay Board

Output Address = M1:(3x)043

<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
2F-A16 2F-A10	22-12	#Upper-Stairs-Close-Call-L	21 Silver/CN-Panel	2F-A10 2F-A10	22 22	Yellow Black	Upper-Close-L Ground	Out 11 NO Out 11 COM

Control In / 09

One other connection in panel.

Output Expander Drive 09

M1 Output Relay Board

Output Address = M1:(3b)041

<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
1G-A23 1G-A23	22-10	Output Expander Drive 09	3 This Panel Only	1G-A23 1G-A23	22 22	Gray Black	Signal 09 Return	09 -

Control In / 10

One other connection in panel.

Output Expander Drive 10

M1 Output Relay Board

Output Address = M1:(3b)042

<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
1G-A24 1G-A23	22-10	Output Expander Drive 10	3 This Panel Only	1G-A23	22	Violet	Signal 10	10

Control In / 11

One other connection in panel.

Output Expander Drive 11

M1 Output Relay Board

Output Address = M1:(3b)043

<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
1G-A25 1G-A23	22-10	Output Expander Drive 11	3 This Panel Only	1G-A23	22	Yellow	Signal 11	11

Control In / 12

One other connection in panel.

Output Expander Drive 12

M1 Output Relay Board

Output Address = M1:(3b)044

<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
1G-A26 1G-A23	22-10	Output Expander Drive 12	3 This Panel Only	1G-A23	22	Orange	Signal 12	12

Control In / 13*One other connection in panel.***Output Expander Drive 13**

M1 Output Relay Board

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1G-A27 1G-A23	22-10	Output Expander Drive 13	3 This Panel Only	1G-A23	22	Blue	Signal 13	13

Output Address = M1:(3b)045**Control In / 14***One other connection in panel.***Output Expander Drive 14**

M1 Output Relay Board

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1G-A28 1G-A23	22-10	Output Expander Drive 14	3 This Panel Only	1G-A23	22	Brown	Signal 14	14

Output Address = M1:(3b)046**Control In / 15***One other connection in panel.***Output Expander Drive 15**

M1 Output Relay Board

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1G-A29 1G-A23	22-10	Output Expander Drive 15	3 This Panel Only	1G-A23	22	Green	Signal 15	15

Output Address = M1:(3b)047**Control In / 16***One other connection in panel.***Output Expander Drive 16**

M1 Output Relay Board

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1G-A30 1G-A23	22-10	Output Expander Drive 16	3 This Panel Only	1G-A23	22	White	Signal 16	16

Output Address = M1:(3b)048

M1 Data Bus Hub	"M1 Data Bus Hub 3"	Elk Products: ELK-M1DBH Tag Number 0150
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Data Bus In

M1G Data Bus (Orange to Blue)

M1 Data Bus Hub

Superior Address = M1:(2)J8
Inferior Address = M1:(3)X1

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

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-C16	Cat 5e	Brown	+	+12
1G-C16	Cat 5e	Orange	A	A
1G-C16	Cat 5e	White/Orange	B	B
1G-C16	Cat 5e	White/Brown	-	Neg

Data Bus / Port 1

BR 2 Hall: Security Keypad Data (09)

M1 Data Bus Hub

Superior Address = M1:(3)J1

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2G-A01 2G-A01	Cat 5 (M1)	BR 2 Hall: Security Keypad Data (09)	17 BR 2 Hall

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2G-A01	Cat 5e	Brown	+	Port 1 +12
2G-A01	Cat 5e	Orange	A	Port 1 A
2G-A01	Cat 5e	White/Orange	B	Port 1 B
2G-A01	Cat 5e	Green	A1	Port 1 A1
2G-A01	Cat 5e	White/Green	B1	Port 1 B1
2G-A01	Cat 5e	White/Brown	-	Port 1 Neg

Data Bus / Port 2

BR 3: Security Keypad Data (07)

M1 Data Bus Hub

Superior Address = M1:(3)J2

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2F-A05 2F-A05	Cat 5 (M1)	BR 3: Security Keypad Data (07)	19 BR 3

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2F-A05	Cat 5e	Brown	+	Port 2 +12
2F-A05	Cat 5e	Orange	A	Port 2 A
2F-A05	Cat 5e	White/Orange	B	Port 2 B
2F-A05	Cat 5e	Green	A1	Port 2 A1
2F-A05	Cat 5e	White/Green	B1	Port 2 B1
2F-A05	Cat 5e	White/Brown	-	Port 2 Neg

Data Bus / Port 3

Shop: Security Keypad Data (04)

M1 Data Bus Hub

Superior Address = M1:(3)J3

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1K-A01 1K-A01	Cat 5 (M1)	Shop: Security Keypad Data (04)	35 Shop

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1K-A01	Cat 5e	Brown	+	Port 3 +12
1K-A01	Cat 5e	Orange	A	Port 3 A
1K-A01	Cat 5e	White/Orange	B	Port 3 B
1K-A01	Cat 5e	Green	A1	Port 3 A1
1K-A01	Cat 5e	White/Green	B1	Port 3 B1
1K-A01	Cat 5e	White/Brown	-	Port 3 Neg

Data Bus / Port 4

M1 Data Bus Hub

Superior Address = M1:(3)J4

Downstream Cable

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1G-A03 1G-A03	Cat 5 (M1)	Lounge Entry: Security Keypad Data (03)	26 Lounge Entry

Lounge Entry: Security Keypad Data (03)

Downstream Wires

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-A03	Cat 5e	Brown	+	Port 4 +12
1G-A03	Cat 5e	Orange	A	Port 4 A
1G-A03	Cat 5e	White/Orange	B	Port 4 B
1G-A03	Cat 5e	Green	A1	Port 4 A1
1G-A03	Cat 5e	White/Green	B1	Port 4 B1
1G-A03	Cat 5e	White/Brown	-	Port 4 Neg

Data Bus / Port 5

M1 Data Bus Hub

Superior Address = M1:(3)J5

One other connection in panel.

Downstream Cable

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1G-C13 1G-C13	Cat 5 (M1)	M1G Data Bus - Input Expander 3-1 (06)	3 This Panel Only

M1G Data Bus - Input Expander 3-1 (06)

Downstream Wires

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-C13	Cat 5e	Brown	+	Port 5 +12
1G-C13	Cat 5e	Orange	A	Port 5 A
1G-C13	Cat 5e	White/Orange	B	Port 5 B
1G-C13	Cat 5e	Green	A1	Port 5 A1
1G-C13	Cat 5e	White/Green	B1	Port 5 B1
1G-C13	Cat 5e	White/Brown	-	Port 5 Neg

Data Bus / Port 6

M1 Data Bus Hub

Superior Address = M1:(3)J6

One other connection in panel.

Downstream Cable

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1G-C14 1G-C14	Cat 5 (M1)	M1G Data Bus - Input Expander 3-2 (07)	3 This Panel Only

M1G Data Bus - Input Expander 3-2 (07)

Downstream Wires

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-C14	Cat 5e	Brown	+	Port 6 +12
1G-C14	Cat 5e	Orange	A	Port 6 A
1G-C14	Cat 5e	White/Orange	B	Port 6 B
1G-C14	Cat 5e	Green	A1	Port 6 A1
1G-C14	Cat 5e	White/Green	B1	Port 6 B1
1G-C14	Cat 5e	White/Brown	-	Port 6 Neg

Data Bus / Port 7

M1 Data Bus Hub

Superior Address = M1:(3)J7

One other connection in panel.

Downstream Cable

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1G-C15 1G-C15	Cat 5 (M1)	M1G Data Bus - Output Expander 3-1 (03)	3 This Panel Only

M1G Data Bus - Output Expander 3-1 (03)

Downstream Wires

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-C15	Cat 5e	Brown	+	Port 7 +12
1G-C15	Cat 5e	Orange	A	Port 7 A
1G-C15	Cat 5e	White/Orange	B	Port 7 B
1G-C15	Cat 5e	Green	A1	Port 7 A1
1G-C15	Cat 5e	White/Green	B1	Port 7 B1
1G-C15	Cat 5e	White/Brown	-	Port 7 Neg

Data Bus / Port 8

M1 Data Bus Hub

Superior Address = M1:(3)J8

Inferior Address = M1:(4)X1

M1G Data Bus (Blue to Green)

Downstream Cable

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1F-C14 1F-C14	Cat 5 (M1)	M1G Data Bus (Blue to Green)	45 Green/CN-Panel

Downstream Wires

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1F-C14	Cat 5e	Orange	A	Port 8 A
1F-C14	Cat 5e	White/Orange	B	Port 8 B
1F-C14	Cat 5e	White/Brown	-	Port 8 Neg

Data Bus / Port 9

[M1:(3)J9]

M1 Data Bus Hub

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

Power In (12 Vdc)

M1 Data Bus Hub

<i>9 other connections in panel.</i>				<i>12 Vdc Local Power Bus</i>				
<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
1G-A22	18-2	12 Vdc Local Power Bus	3	1G-A22	18	Red	+12 Vdc	+12
1G-A22			This Panel Only	1G-A22	18	Black	Power Return	Neg

Power Dist Module, 12Vdc, 250ma (1 of 2)	"General 12 Vdc Power Distribution"	Elk Products: ELK-PD9 Tag Number 0151
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Power In (12 Vdc)

9 other connections in panel.

12 Vdc Local Power Bus

Power Dist Module, 12Vdc, 250ma #1

<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	
Input	On	1G-A22	18-2	12 Vdc Local Power Bus					
		1G-A22		3 This Panel Only	1G-A22	18	Red	+12 Vdc	POS
		1G-A22			1G-A22	18	Black	Power Return	NEG

Power Output / 1

Bedroom 2: Detector Power

Power Dist Module, 12Vdc, 250ma #1

<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	
Output	On	2G-P06	22-4	BR 2: CO Detector (Power)					
		2G-S06		20 BR 2	2G-S06	22	Red	+12 Vdc	POWER 1 - POS
		2G-S06			2G-S06	22	Black	Common	POWER 1 - NEG
		2G-P13	22-4	BR 2/3 Bath: Motion (Power)					
		2G-S13		20 BR 2/3 Bath	2G-S13	22	Red	+12 Vdc	POWER 1 - POS
		2G-S13			2G-S13	22	Black	12 V Return	POWER 1 - NEG

Power Output / 2

Shop: Detector Power

Power Dist Module, 12Vdc, 250ma #1

<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	
Output	On	1K-P08	22-6	Shop: Combustible Gas Detector (Power)					
		1K-S08		15 Shop	1K-S08	22	Red	+12 Vdc	POWER 2 - POS
		1K-S08			1K-S08	22	Black	Common	POWER 2 - NEG
		1K-P09	22-4	Shop: Motion Detector (Power)					
		1K-S09		18 Shop	1K-S09	22	Red	+12 Vdc	POWER 2 - POS
		1K-S09			1K-S09	22	Black	12 V Return	POWER 2 - NEG

Power Output / 3

Shop & Bedroom 3: Detector Power

Power Dist Module, 12Vdc, 250ma #1

<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	
Output	On	2F-P12	22-4	BR 3: CO Detector (Power)					
		2F-S12		23 BR 3	1K-S07	22	Blue	+12 V	POWER 3 - POS
		2F-S12			1K-S07	22	Brown	12 Vdc Return	POWER 3 - NEG
		1K-P07	22-6	Shop: CO Detector (Power)					
		1K-S07		17 Shop	2F-S12	22	Red	+12 Vdc	POWER 3 - POS
		1K-S07			2F-S12	22	Black	Common	POWER 3 - NEG

Power Output / 4

Lounge: Detector Power

Power Dist Module, 12Vdc, 250ma #1

<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	
Output	On	1G-P07	22-4	Lounge Sitting Area: Motion Detector (Power)					
		1G-S07		27 Lounge Sitting Area	1G-S07	22	Red	+12 Vdc	POWER 4 - POS
		1G-S07			1G-S07	22	Black	12 V Return	POWER 4 - NEG

Power Output / 5

Lobby: Detector Power

Power Dist Module, 12Vdc, 250ma #1

<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	
Output	On	1E-P01	22-4	Lobby Fridge: Refrigeration Alarm (Power)					
		1E-S01		21 Lobby Fridge	1E-S01	22	Red	+12 Vdc	POWER 5 - POS
		1E-S01			1E-S01	22	Black	12 V Return	POWER 5 - NEG
		1E-P04	22-4	Lobby: Motion Detector (Power)					
		1E-S04		35 Lobby	1E-S04	22	Red	+12 Vdc	POWER 5 - POS
		1E-S04			1E-S04	22	Black	Common	POWER 5 - NEG

Power Output / 6

2 other connections in panel.

Water Detector Power

Power Dist Module, 12Vdc, 250ma #1

		<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		
<i>Output</i>	On	1G-P14	Water Detector Power	3	1G-P14	22	Red	+12 Vdc	POWER 6 - POS
		1G-P14		This Panel Only	1G-P14	22	Black	12 V Return	POWER 6 - NEG

Power Dist Module, 12Vdc, 250ma (2 of 2)	"Smoke Detector 12 Vdc Power Distribution"	Elk Products: ELK-PD9 Tag Number 0620
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Power In (12 Vdc)

One other connection in panel.

Switched Smoke Power

Power Dist Module, 12Vdc, 250ma #2

Input On

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-A20	18-2	Switched Smoke Power	3	1G-A20	18	Red	Switched +12 Vdc	POS
1G-A20			This Panel Only	1G-A20	18	Black	Power Return	NEG

Power Output / 1

BR 2: Smoke Detector (Power)

Power Dist Module, 12Vdc, 250ma #2

Output On

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2G-P05	22-4	BR 2: Smoke Detector (Power)	20	2G-S05	22	Red	+12 Vdc	POWER 1 - POS
2G-S05			BR 2	2G-S05	22	Black	Power Return	POWER 1 - NEG

Power Output / 2

BR 3 Hall: Smoke Detector (Power)

Power Dist Module, 12Vdc, 250ma #2

Output On

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2F-P07	22-8	BR 3 Hall: Smoke Detector (Power)	16	2F-S07	22	Red	+12 Vdc	POWER 2 - POS
2F-S07			BR 3 Hall	2F-S07	22	Black	12 V Return	POWER 2 - NEG

Power Output / 3

BR 3: Smoke Detector (Power)

Power Dist Module, 12Vdc, 250ma #2

Output On

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2F-P11	22-4	BR 3: Smoke Detector (Power)	23	2F-S11	22	Red	Signal	POWER 3 - POS
2F-S11			BR 3	2F-S11	22	Black	Return	POWER 3 - NEG

Power Output / 4

Shop: Smoke Detector (Power)

Power Dist Module, 12Vdc, 250ma #2

Output On

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1K-P06	22-4	Shop: Smoke Detector (Power)	22	1K-S06	22	Red	+12 Vdc (Smoke)	POWER 4 - POS
1K-S06			Shop	1K-S06	22	Black	12 V Return	POWER 4 - NEG

Power Output / 5

Lounge Sitting Area: Smoke Detector (Power)

Power Dist Module, 12Vdc, 250ma #2

Output On

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-P03	22-4	Lounge Sitting Area: Smoke Detector (Power)	20	1G-S03	22	Red	+12 Vdc (Smoke)	POWER 5 - POS
1G-S03			Lounge Sitting Area	1G-S03	22	Black	Power Return	POWER 5 - NEG

Power Output / 6

Foot of Lower Stairs: Smoke Detector (Power)

Power Dist Module, 12Vdc, 250ma #2

Output On

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1E-P03	22-4	Foot of Lower Stairs: Smoke Detector (Power)	31	1E-S03	22	Red	+12 Vdc (Smoke)	POWER 6 - POS
1E-S03			Foot of Lower Stairs	1E-S03	22	Black	12 V Return	POWER 6 - NEG

Power Dist Module, 12Vdc, 400ma	"Strobe 12 Vdc Power Distribution"	Elk Products: ELK-PD9HC Tag Number 0685
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Power In (12 Vdc)

One other connection in panel.

Switched Strobe Power

Power Dist Module, 12Vdc, 400ma

Input M1:(2a)024

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-A21	18-2	Switched Strobe Power	3	1G-A21	18	Red	Switched +12 Vdc	POS
1G-A21			This Panel Only	1G-A21	18	Black	Power Return	NEG

Power Output / 1

Lounge Sitting Area: Alarm Strobe

Power Dist Module, 12Vdc, 400ma

Output M1:(2a)024

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-A02	18-4	Lounge Sitting Area: Alarm Strobe	28	1G-A01	18	Green	Switched	POWER 1 - POS
1G-A01			Lounge Sitting Area	1G-A01	18	White	Return	POWER 1 - NEG

Power Output / 2

Shop: Alarm Strobe

Power Dist Module, 12Vdc, 400ma

Output M1:(2a)024

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1K-A06	18-4	Shop: Alarm Strobe	13	1K-A05/06	18	Green	Switched	POWER 2 - POS
1K-A05/06			Shop	1K-A05/06	18	White	Return	POWER 2 - NEG

Power Output / 3

Kitchen: Alarm Strobe

Power Dist Module, 12Vdc, 400ma

Output M1:(2a)024

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2D-A02	18-4	Kitchen: Alarm Strobe	52	2D-A02	18	Green	Switched	POWER 3 - POS
2D-A02			Kitchen	2D-A02	18	White	Return	POWER 3 - NEG

Power Output / 4

Stairway Landing: Alarm Strobe

Power Dist Module, 12Vdc, 400ma

Output M1:(2a)024

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2F-A04	18-4	Stairway Landing: Alarm Strobe	22	2F-A03/04	18	Green	Switched	POWER 4 - POS
2F-A03/04			Multiple	2F-A03/04	18	White	Return	POWER 4 - NEG

Power Output / 5

BR 2: Alarm Strobe

Power Dist Module, 12Vdc, 400ma

Output M1:(2a)024

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2G-A05	18-4	BR 2: Alarm Strobe	17	2G-A05	18	Green	Switched	POWER 5 - POS
2G-A05			BR 2	2G-A05	18	White	Return	POWER 5 - NEG

Power Output / 6

Theater: Alarm Strobe

Power Dist Module, 12Vdc, 400ma

Output M1:(2a)024

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1F-A02	18-4	Theater: Alarm Strobe	55	1F-A01/02	18	Green	Signal	POWER 6 - POS
1F-A01/02			Theater	1F-A01/02	18	White	Return	POWER 6 - NEG

M1 Audio Amplifier	"Inside Alarm Speaker Amplifier #3"	Elk Products: ELK-800	Tag Number 0223
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Audio In

Blue: Alarm Speaker Line Level Drive

M1 Audio Amplifier

Output Address = M1:1

<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	
1G-C11	Cat 5e	Blue: Alarm Speaker Line Level Drive	45	1G-C11	Cat 5e	Blue	Terminal A	Input (A)
1G-C11			White/CN-Panel/1	1G-C11	Cat 5e	White/Blue	Terminal B	Input (B)

Output

One other connection in panel.

"Blue" Speaker Amplifier Output

M1 Audio Amplifier

<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	
1G-A34	18-2	"Blue" Speaker Amplifier Output	3	1G-A34	18	Red	Signal	Speaker (A)
1G-A34			This Panel Only	1G-A34	18	Black	Return	Speaker (B)

Power In (12 Vdc)

9 other connections in panel.

12 Vdc Local Power Bus

M1 Audio Amplifier

<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	
1G-A22	18-2	12 Vdc Local Power Bus	3	1G-A22	18	Red	+12 Vdc	Power (A)
1G-A22			This Panel Only	1G-A22	18	Black	Power Return	Power (B)

Detector, Water (1 of 2)	"Water Detector Serving Changing Rooms & Lounge Bar"	Winland Electronics: "WaterBug" WB-200	Tag Number 0232
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Sensor Input

Lounge Bar: Water Sensor Chain

Detector, Water #1

<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	
1G-S06 1G-S06	22-2	Lounge Bar: Water Sensor Chain	15 Lounge Bar	1G-S06	22	Black	Terminal A	3 (Input A)
				1G-S06	22	Red	Terminal B	4 (Input B)
1H-S03 1H-S03	22-2	Changing Room A: Water Sensor Chain	19 Changing Room A	1H-S03	22	Black	Terminal A	3 (Input A)
				1H-S03	22	Red	Terminal B	4 (Input B)

Contact Pair, NC

One other connection in panel.

Water Detector (Changing Rooms & Lounge) (Signal)

Detector, Water #1

Input Address = M1:(6)096

<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	
1G-S15 1G-S15	22-2	Water Detector (Changing Rooms & Lounge) (Signal)	3 This Panel Only	1G-S15	22	Black	Signal Return	5 (Relay Com)
				1G-S15	22	Red	Signal	7 (Relay NC)

Power In (12 Vdc)

2 other connections in panel.

Water Detector Power

Detector, Water #1

<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	
1G-P14 1G-P14	22-2	Water Detector Power	3 This Panel Only	1G-P14	22	Red	+12 Vdc	1 (V+)
				1G-P14	22	Black	12 V Return	2 (Gnd)

Detector, Water (2 of 2)	"Water Detector Serving Bedroom 2/3 Bathroom"	Winland Electronics: "WaterBug" WB-200	Tag Number 0233
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Sensor Input

BR 2/3 Bath: Water Sensor Chain

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	
2G-S11	22-4	BR 2/3 Bath: Water Sensor Chain	16	2G-S11	22	Black	Terminal A	3 (Input A)
2G-S11			BR 2/3 Bath	2G-S11	22	Red	Terminal B	4 (Input B)

Contact Pair, NC

One other connection in panel.

Water Detector (BR 2/3 Bath) (Signal)

Detector, Water #2

Input Address = M1:(7)105

<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	
1G-S14	22-2	Water Detector (BR 2/3 Bath) (Signal)	3	1G-S14	22	Black	Signal Return	5 (Relay Com)
1G-S14			This Panel Only	1G-S14	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	
1G-P14	22-2	Water Detector Power	3	1G-P14	22	Red	+12 Vdc	1 (V+)
1G-P14			This Panel Only	1G-P14	22	Black	12 V Return	2 (Gnd)

Transformer, 70v Audio, 4Ω, 10W	"Alarm Speaker 70v Step-up Transformer"	Edecor: WS15-70 Tag Number 1175
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Audio In

One other connection in panel.

"Blue" Speaker Amplifier Output

Transformer, 70v Audio, 4Ω, 10W

<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
1G-A34	18-2	"Blue" Speaker Amplifier Output	3	1G-A34	18	Red	Signal	4Ω (6)
1G-A34			This Panel Only	1G-A34	18	Black	Return	Com (8)

Audio Out

"Blue" Interior Speaker Set

Transformer, 70v Audio, 4Ω, 10W

<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
2F-A03	18-4	Stairway Landing: Alarm Speaker	22	1F-A01/02	18	Red	Speaker +	10W (2)
2F-A03/04			Multiple	1F-A01/02	18	Black	Speaker -	Com (4)
1K-A05	18-4	Shop: Alarm Speaker	13	1G-A01	18	Red	Speaker +	10W (2)
1K-A05/06			Shop	1G-A01	18	Black	Speaker -	Com (4)
1G-A01	18-4	Lounge Sitting Area: Alarm Speaker	28	1K-A05/06	18	Red	Speaker +	10W (2)
1G-A01			Lounge Sitting Area	1K-A05/06	18	Black	Speaker -	Com (4)
1F-A01	18-4	Theater: Alarm Speaker	55	2D-A02	18	Red	Speaker +	10W (2)
1F-A01/02			Theater	2D-A02	18	Black	Speaker -	Com (4)
2G-A06	18-4	BR 2: Alarm Speaker	17	2F-A03/04	18	Red	Speaker +	10W (2)
2G-A05			BR 2	2F-A03/04	18	Black	Speaker -	Com (4)
2D-A06	18-4	Kitchen: Alarm Speaker	52	2G-A05	18	Red	Speaker +	10W (2)
2D-A02			Kitchen	2G-A05	18	Black	Speaker -	Com (4)

9-Zone Combiner / Indicator (1 of 4) "Trouble Indicator" JTJ: 1006-1 Tag Number 1062

OR (1-9) Input / 1

BR 2: CO Detector (Trouble)

9-Zone Combiner / Indicator #1

Source Cable(s)				Source Wires				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2G-S14	22-4	BR 2: CO Detector (Trouble)	20	2G-S06	22	Green	CO Trouble Signal	In 1
2G-S06			BR 2	2G-S06	22	Black	Common	Neg

OR (1-9) Input / 2

BR 3: CO Detector (Trouble)

9-Zone Combiner / Indicator #1

Source Cable(s)				Source Wires				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2F-S16	22-4	BR 3: CO Detector (Trouble)	23	2F-S12	22	Green	CO Trouble Signal	In 2
2F-S12			BR 3	2F-S12	22	Black	Common	Neg

OR (1-9) Input / 3

Shop: CO Detector (Trouble)

9-Zone Combiner / Indicator #1

Source Cable(s)				Source Wires				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1K-S11	22-6	Shop: CO Detector (Trouble)	17	1K-S07	22	White	CO Trouble Signal	In 3
1K-S07			Shop	1K-S07	22	Black	Common	Neg

OR (1-9) Input / 4

[none]

9-Zone Combiner / Indicator #1

Change

Source Cable(s)			
Circuit ID Cable ID	Style	Location & Name	Length & Destination

OR (1-9) Input / 5

Shop: Combustible Gas Detector (Trouble)

9-Zone Combiner / Indicator #1

Source Cable(s)				Source Wires				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1K-S12	22-6	Shop: Combustible Gas Detector (Trouble)	15	1K-S08	22	White	Gas Trouble Signal	In 5
1K-S08			Shop	1K-S08	22	Black	Common	Neg

OR (1-9) Input / 6

Stairs-Doors-Controller-Trouble-L

9-Zone Combiner / Indicator #1

Source Cable(s)				Source Wires				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2F-A18	22-12	Stairs-Doors-Controller-Trouble-L	21	2F-A17	22	White	Trouble-L	In 6
2F-A17			Silver/CN-Panel	2F-A17	22	Black	Ground	Neg

OR (1-9) Input / 7

Stairs-Doors-Controller-Lo-Pressure-L

9-Zone Combiner / Indicator #1

Source Cable(s)				Source Wires				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2F-A17	22-12	Stairs-Doors-Controller-Lo-Pressure-L	21	2F-A17	22	Red	Lo-Pressure-L	In 7
2F-A17			Silver/CN-Panel	2F-A17	22	Black	Ground	Neg

OR (1-9) Input / 8

Lobby: 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	Device Connection
1E-S05	22-4	Lobby: Motion Detector (Trouble)	35	1E-S04	22	White	Signal	In 8
1E-S04			Lobby	1E-S04	22	Black	Common	Neg

OR (1-9) Output

One other connection in panel.

Blue Utility Area: Service Trouble

9-Zone Combiner / Indicator #1

Input Address = M1:(7)110

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
1G-A41	22-2	Blue Utility Area: Service Trouble	3	1G-A41	22	Red	Signal	Out 1-9
1G-A41			This Panel Only	1G-A41	22	Black	Return	Neg

Power In (12 Vdc)

9 other connections in panel.

12 Vdc Local Power Bus

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	Device Connection
1G-A22	18-2	12 Vdc Local Power Bus	3	1G-A22	18	Red	+12 Vdc	+12 V
1G-A22			This Panel Only	1G-A22	18	Black	Power Return	Neg

9-Zone Combiner / Indicator (2 of 4)	"Window Status 1"	JTJB: 1006-1	Tag Number 0994
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OR (1-3) Input / 1

BR 3: 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
2F-S05 2F-S05/06	22-4	BR 3: Window (L)	28 BR 3	2F-S05/06	22	White	L Signal	In 1
				2F-S05/06	22	Green	L Return	Neg

OR (1-3) Input / 2

BR 3: 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
2F-S06 2F-S05/06	22-4	BR 3: Window (R)	28 BR 3	2F-S05/06	22	Red	R Signal	In 2
				2F-S05/06	22	Black	R Return	Neg

OR (7-9) Input / 7

Changing Rooms Hall: 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
1H-S05 1H-S0/506	22-4	Changing Rooms Hall: Window (L)	21 Changing Rooms Hall	1H-S0/506	22	Red	L Signal	In 7
				1H-S0/506	22	Black	L Return	Neg

OR (7-9) Input / 8

Changing Rooms Hall: 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
1H-S06 1H-S0/506	22-4	Changing Rooms Hall: Window (R)	21 Changing Rooms Hall	1H-S0/506	22	White	R Signal	In 8
				1H-S0/506	22	Green	R Return	Neg

OR (1-3) Output

One other connection in panel.

BR 3: Windows (All)

9-Zone Combiner / Indicator #2

Input Address = M1:(6)084

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-A49 1G-A49	22-2	BR 3: Windows (All)	3 <i>This Panel Only</i>	1G-A49	22	Red	Signal	Out 1-3
				1G-A49	22	Black	Signal Return	Neg

OR (7-9) Output

One other connection in panel.

Changing Room Hall: Windows (All)

9-Zone Combiner / Indicator #2

Input Address = M1:(6)088

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-A50 1G-A50	22-2	Changing Room Hall: Windows (All)	3 <i>This Panel Only</i>	1G-A50	22	Red	Signal	Out 7-9
				1G-A50	22	Black	Signal Return	Neg

Power In (12 Vdc)

9 other connections in panel.

12 Vdc Local Power Bus

9-Zone Combiner / Indicator #2

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-A22 1G-A22	18-2	12 Vdc Local Power Bus	3 <i>This Panel Only</i>	1G-A22	18	Red	+12 Vdc	+12 V
				1G-A22	18	Black	Power Return	Neg

9-Zone Combiner / Indicator (3 of 4)	"Lounge Window Status"	JTB: 1006-1	Tag Number 1117
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OR (1-3) Input / 1

Lounge Sitting Area: 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
1G-S08	22-6	Lounge Sitting Area: Window (L)	23	1G-S08/09	22	Red	L Signal	In 1
1G-S08/09			Lounge Sitting Area	1G-S08/09	22	Black	L Return	Neg

OR (1-3) Input / 2

Lounge Sitting Area: 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
1G-S09	22-6	Lounge Sitting Area: Window (R)	23	1G-S08/09	22	White	R Signal	In 2
1G-S08/09			Lounge Sitting Area	1G-S08/09	22	Green	R Return	Neg

OR (1-3) Output

One other connection in panel.

Lounge Sitting Area: Windows (All)

9-Zone Combiner / Indicator #3

Input Address = M1:(7)098

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-A51	22-2	Lounge Sitting Area: Windows (All)	3	1G-A51	22	Red	Signal	Out 1-3
1G-A51			<i>This Panel Only</i>	1G-A51	22	Black	Signal Return	Neg

Power In (12 Vdc)

9 other connections in panel.

12 Vdc Local 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
1G-A22	18-2	12 Vdc Local Power Bus	3	1G-A22	18	Red	+12 Vdc	+12 V
1G-A22			<i>This Panel Only</i>	1G-A22	18	Black	Power Return	Neg

9-Zone Combiner / Indicator (4 of 4)	"BR 2 Windows Status"	JTB: 1006-1	Tag Number 1129
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OR (1-9) Input / 1

BR 2: N Window (L)

9-Zone Combiner / Indicator #4

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2G-S03 2G-S03/04	22-4	BR 2: N Window (L)	26 BR 2	2G-S03/04	22	Red	L Signal	In 1
				2G-S03/04	22	Black	L Return	Neg

OR (1-9) Input / 2

BR 2: N Window (R)

9-Zone Combiner / Indicator #4

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2G-S04 2G-S03/04	22-4	BR 2: N Window (R)	26 BR 2	2G-S03/04	22	White	R Signal	In 2
				2G-S03/04	22	Green	R Return	Neg

OR (1-9) Input / 3

BR 2: SE Window

9-Zone Combiner / Indicator #4

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2G-S01 2G-S01	22-4	BR 2: SE Window	26 BR 2	2G-S01	22	White	Signal	In 3
				2G-S01	22	Black	Signal Return	Neg

OR (1-9) Input / 4

BR 2: NE Window

9-Zone Combiner / Indicator #4

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2G-S02 2G-S02	22-4	BR 2: NE Window	26 BR 2	2G-S02	22	White	Signal	In 4
				2G-S02	22	Black	Signal Return	Neg

OR (1-9) Output

One other connection in panel.

BR 2: Windows - All

9-Zone Combiner / Indicator #4

Input Address = M1:(6)081

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-A32 1G-A32	22-2	BR 2: Windows - All	3 <i>This Panel Only</i>	1G-A32	22	Red	Signal	Out 1-9
				1G-A32	22	Black	Return	Neg

Power In (12 Vdc)

9 other connections in panel.

12 Vdc Local Power Bus

9-Zone Combiner / Indicator #4

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-A22 1G-A22	18-2	12 Vdc Local Power Bus	3 <i>This Panel Only</i>					

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

Blue Panel LV Power Supply

Power Connection Point

<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	
1G-A13	14-4	Blue Panel LV Power Supply	47	1G-A13	14	Red	+12 Vdc	Supply
1G-A13			White/CN-Panel/2	1G-A13	14	Black	12 Vdc Return	Return
1G-A35	14-4	Blue: Single-point Common	47	1G-A13	14	Green	Common	Return
1G-A13			White/CN-Panel/2					

Power Output / 1

Blue: Panel LV Power Sense

Power Connection Point

<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	
1G-A14	22-4 (S)	Blue: Panel LV Power Sense	47	1G-A14	22	Red	Sense +	Load 1
1G-A14			White/CN-Panel/2	1G-A14	22	Black	Sense -	Return 1

Power Output / 2

9 other connections in panel.

12 Vdc Local Power Bus

Power Connection Point

<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	
1G-A22	18-2	12 Vdc Local Power Bus	3	1G-A22	18	Red	+12 Vdc	Load 2
1G-A22			<i>This Panel Only</i>	1G-A22	18	Black	Power Return	Return 2

Relay, SPDT 12 Vdc Compact (1 of 2)	"Relay for Inside Strobe Light Power"	Elk: "Compact Relay" Tag Number 0224
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Relay Com (In)

9 other connections in panel.

12 Vdc Local Power Bus

Relay, SPDT 12 Vdc Compact #1

	<u>Circuit ID</u> <u>Cable ID</u>	Style	Location & Name	Length & Destination		<u>Source Wires</u>		<u>Device Connection</u>		
	1G-A22	18-2	12 Vdc Local Power Bus	3		1G-A22	18	Red	+12 Vdc	COM
	1G-A22			This Panel Only		1G-A22	18	Black	Power Return	Return

Relay NO

One other connection in panel.

Switched Strobe Power

Relay, SPDT 12 Vdc Compact #1

Output M1:(2a)024

	<u>Circuit ID</u> <u>Cable ID</u>	Style	Location & Name	Length & Destination		<u>Load Cable Wires</u>		<u>Device Connection</u>		
	1G-A21	18-2	Switched Strobe Power	3		1G-A21	18	Red	Switched +12 Vdc	NO
	1G-A21			This Panel Only		1G-A21	18	Black	Power Return	Return

Control In

Blue: Inside Strobe Pilot

Relay, SPDT 12 Vdc Compact #1

Input M1:(2a)024

	<u>Circuit ID</u> <u>Cable ID</u>	Style	Location & Name	Length & Destination		<u>Source Wires</u>		<u>Device Connection</u>		
	1G-A12	22-4 (S)	Blue: Inside Strobe Pilot	45		1G-A12	22	Red	Strobe Signal	Coil (+)
	1G-A12			White/CN-Panel/1		1G-A12	22	Black	Return	Coil (-)

Relay, SPDT 12 Vdc Compact (2 of 2)	"Relay for Smoke Detector Power"	Elk: "Compact Relay" Tag Number 0687
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Relay Com (In)

9 other connections in panel.

12 Vdc Local Power Bus

Relay, SPDT 12 Vdc Compact #2

Source Cable(s)				Source Wires				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-A22	18-2	12 Vdc Local Power Bus	3	1G-A22	18	Red	+12 Vdc	COM
1G-A22			This Panel Only	1G-A22	18	Black	Power Return	Return

Relay NO

One other connection in panel.

Switched Smoke Power

Relay, SPDT 12 Vdc Compact #2

Output On

Load Cable(s)				Load Cable Wires				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-A20	18-2	Switched Smoke Power	3	1G-A20	18	Red	Switched +12 Vdc	NO
1G-A20			This Panel Only	1G-A20	18	Black	Power Return	Return

Control In

Blue: Smoke Power Pilot

Relay, SPDT 12 Vdc Compact #2

Input On

Source Cable(s)				Source Wires				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-A19	22-4 (S)	Blue: Smoke Power Pilot	45	1G-A12	22	White	Smoke Signal	Coil (+)
1G-A12			White/CN-Panel/1	1G-A12	22	Black	Return	Coil (-)

Pass-Thru, Signal Set (1 of 4)	"Contact Input for Bedroom 2 Keypad (10)"	Field Splice	Tag Number na
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Input

BR 2 Hall: Door

Pass-Thru, Signal Set #1

Input M1:(D)201

<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	
2G-S09	22-2	BR 2 Hall: Door	14 BR 2 Hall	2G-S09	22	Red	Signal	Signal
2G-S09				2G-S09	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	
2G-A02	18-2	BR 2: Security Keypad Contact (10)	BR 2 Hall	2G-A02	18	Red	Signal	Signal
				2G-A02	18	Black	Return	Return

Output

Bedroom 2: Security Keypad (Contact)

Pass-Thru, Signal Set #1

Input Address = M1:(D)201

<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	
2G-A02	18-2	BR 2: Security Keypad Contact (10)	17 BR 2 Hall	2G-A02	18	Red	Signal	Signal
2G-A02				2G-A02	18	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	
2G-S09	22-2	BR 2 Hall: Door	BR 2 Hall	2G-S09	22	Red	Signal	Signal
				2G-S09	22	Black	Signal Return	Return

Pass-Thru, Signal Set (2 of 4)	"Contact Input for Bedroom 3 Keypad (09)"	Field Splice	Tag Number na
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Input

BR 3: Main Door

Pass-Thru, Signal Set #2

<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
2F-S03	22-2	BR 3: Main Door	28	2F-S03	22	Red	Signal	Signal
2F-S03			BR 3	2F-S03	22	Black	Signal Return	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
2F-A06	18-2	BR 3: Security Keypad Contact (04)	BR 3	2F-A06	18	Red	Signal	Signal
				2F-A06	18	Black	Signal Retrun	Return

Output

BR 3: Security Keypad Contact (04)

Pass-Thru, Signal Set #2

Input Address = M1:(D)199

<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
2F-A06	18-2	BR 3: Security Keypad Contact (04)	19	2F-A06	18	Red	Signal	Signal
2F-A06			BR 3	2F-A06	18	Black	Signal Retrun	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
2F-S03	22-2	BR 3: Main Door	BR 3	2F-S03	22	Red	Signal	Signal
				2F-S03	22	Black	Signal Return	Return

Pass-Thru, Signal Set (3 of 4) "Signal Pass-Thru Set For EM 1 (Sensors)" Field Splice Tag Number na

Input / Channel #1

Changing Room A: Door

Pass-Thru, Signal Set #3

<i>Input</i>	C6:X107
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Circuit ID Cable ID	Style	Location & Name	Length & Destination
1H-S04 1H-S04	22-2	Changing Room A: Door	19 Changing Room A

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1H-S04	22	Red	Signal	Signal #1
1H-S04	22	Black	Signal Return	Return

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
1G-S16>20	22-8	Changing Room A: Door Status	White/CN-Panel/2

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-S16>20	22	White	Signal	Signal #1
1G-S16>20	22	Black	Ground	Return

Input / Channel #2

Changing Room B: Door

Pass-Thru, Signal Set #3

<i>Input</i>	C6:X108
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Circuit ID Cable ID	Style	Location & Name	Length & Destination
1H-S08 1H-S08	22-2	Changing Room B: Door	28 Changing Room B

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1H-S08	22	Red	Signal	Signal #2
1H-S08	22	Black	Signal Return	Return

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
1G-S16>20	22-8	Changing Room B: Door Status	White/CN-Panel/2

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-S16>20	22	Green	Signal	Signal #2
1G-S16>20	22	Black	Ground	Return

Input / Channel #3

BR 2/3 Bath Doors (2)

Pass-Thru, Signal Set #3

<i>Input</i>	C6:X109
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Circuit ID Cable ID	Style	Location & Name	Length & Destination
2G-S08 2G-S08	22-2	BR 2 Hall: Bathroom Door	14 BR 2 Hall
2G-S12 2G-S12	22-2	BR 3: Bathroom Door	24 BR 3

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2G-S08	22	Red	Signal	Signal #3
2G-S08	22	Black	Signal Return	Splice #3A
2G-S12	22	Red	Signal	Splice #3A
2G-S12	22	Black	Signal Return	Return

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
1G-S16>20	22-8	BR 2/3 Bath Doors (2)	White/CN-Panel/2

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-S16>20	22	Brown	Signal	Signal #3
1G-S16>20	22	Black	Ground	Return

Input / Channel #4

BR 2/3 Bath: Motion (Signal)

Pass-Thru, Signal Set #3

<i>Input</i>	C6:X110
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Circuit ID Cable ID	Style	Location & Name	Length & Destination
2G-S13 2G-S13	22-4	BR 2/3 Bath: Motion (Signal)	20 BR 2/3 Bath

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2G-S13	22	Green	Signal	Signal #4
2G-S13	22	White	Signal Return	Return

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
1G-S16>20	22-8	BR 2/3 Bath: Motion Status (2G-S13)	White/CN-Panel/2

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-S16>20	22	Orange	Signal	Signal #4
1G-S16>20	22	Black	Ground	Return

Output / Channel #1

Pass-Thru, Signal Set #3

Input Address = C6:X107

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1G-S16 1G-S16>20	22-8	Changing Room A: Door Status	47 White/CN-Panel/2

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
1H-S04	22-2	Changing Room A: Door	Changing Room A

Changing Room A: Door Status

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-S16>20	22	White	Signal	Signal #1
1G-S16>20	22	Black	Ground	Return

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1H-S04	22	Red	Signal	Signal #1
1H-S04	22	Black	Signal Return	Return

Output / Channel #2

Pass-Thru, Signal Set #3

Input Address = C6:X108

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1G-S17 1G-S16>20	22-8	Changing Room B: Door Status	47 White/CN-Panel/2

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
1H-S08	22-2	Changing Room B: Door	Changing Room B

Changing Room B: Door Status

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-S16>20	22	Green	Signal	Signal #2
1G-S16>20	22	Black	Ground	Return

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1H-S08	22	Red	Signal	Signal #2
1H-S08	22	Black	Signal Return	Return

Output / Channel #3

Pass-Thru, Signal Set #3

Input Address = C6:X109

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1G-S18 1G-S16>20	22-8	BR 2/3 Bath Doors (2)	47 White/CN-Panel/2

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
2G-S08	22-2	BR 2 Hall: Bathroom Door	BR 2 Hall
2G-S12	22-2	BR 3: Bathroom Door	BR 3

BR 2/3 Bath Doors (2)

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-S16>20	22	Brown	Signal	Signal #3
1G-S16>20	22	Black	Ground	Return

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2G-S08	22	Red	Signal	Signal #3
2G-S08	22	Black	Signal Return	Splice #3A
2G-S12	22	Red	Signal	Splice #3A
2G-S12	22	Black	Signal Return	Return

Output / Channel #4

Pass-Thru, Signal Set #3

Input Address = C6:X110

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1G-S20 1G-S16>20	22-8	BR 2/3 Bath: Motion Status (2G-S13)	47 White/CN-Panel/2

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
2G-S13	22-4	BR 2/3 Bath: Motion (Signal)	BR 2/3 Bath

BR 2/3 Bath: Motion Status (2G-S13)

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-S16>20	22	Orange	Signal	Signal #4
1G-S16>20	22	Black	Ground	Return

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2G-S13	22	Green	Signal	Signal #4
2G-S13	22	White	Signal Return	Return

Pass-Thru, Signal Set (4 of 4)	"Signal Pass-thru Set for EM 2 (Floor Heat)"	Field Splice	Tag Number na
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Input

Pass-Thru, Signal Set #4

<i>Input</i>	tbd
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Circuit ID Cable ID	Style	Location & Name	Length & Destination
1G-A17 1G-A17	22-2	Blue Utility Area: Floor Heat Setback - BR 2/3 Bath	47 White/CN-Panel/2

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
2G-A04	22-2	BR 2/3 Bath: Floor Heat Setback	BR 2/3 Bath

Blue Utility Area: Floor Heat Setback - BR 2/3 Bath

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-A17	22	Red	Terminal B	Signal
1G-A17	22	Black	Terminal A	Return

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2G-A04	22	Red	Heat	Signal
2G-A04	22	Black	Common	Return

Output

Pass-Thru, Signal Set #4

<i>Output</i>	tbd
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Circuit ID Cable ID	Style	Location & Name	Length & Destination
2G-A04 2G-A04	22-2	BR 2/3 Bath: Floor Heat Setback	20 BR 2/3 Bath

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
1G-A17	22-2	Blue Utility Area: Floor Heat Setback - BR 2/3 Bath	White/CN-Panel/2

BR 2/3 Bath: Floor Heat Setback

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2G-A04	22	Red	Heat	Signal
2G-A04	22	Black	Common	Return

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1G-A17	22	Red	Terminal B	Signal
1G-A17	22	Black	Terminal A	Return

Outlet, Duplex (15A)	"Duplex Outlet, Line Power"	(Part TBD)	Tag Number 0314
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Power In (120 Vac)

Blue/CN-Panel Outlet

Outlet, Duplex (15A)

<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
1G-33	14-2	Blue/CN-Panel Outlet	15	1G-33	14	Black	Hot	Hot
1G-33			Multiple	1G-33	14	White	Neutral	Neutral