

M1 16 Zone Input Module (1 of 3)	"Input Expander 5-1 (02)"	Elk Products: ELK-M1XIN Tag Number 0088
---	---------------------------	--

Discrete In / 01

M1 16 Zone Input Module #1

Input Address = M1:(2)017

Circuit ID <i>Cable ID</i>	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
4A-S10	22-6	Attic - ^ Upper Level: Heat Rate-Of-Rise (Signal)	96	4A-S10	22	Brown	Signal	Z01
4A-S10		Attic - ^ Upper Level		4A-S10	22	White	Return	NEG

Attic - ^ Upper Level: Heat Rate-Of-Rise (Signal)

Discrete In / 02

M1 16 Zone Input Module #1

Input Address = M1:(2)018

Change

Circuit ID <i>Cable ID</i>	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
4A-S11	22-6	Attic - ^ Laundry Rm: Heat Rate-Of-Rise (Signal)	72	4A-S11	22	Green	Signal	Z02
4A-S11		Attic - ^ Laundry Rm		4A-S11	22	White	Return	NEG

Attic - ^ Laundry Rm: Heat Rate-Of-Rise (Signal)

Discrete In / 03

M1 16 Zone Input Module #1

Input Address = M1:(2)019

Change

Circuit ID <i>Cable ID</i>	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
4A-S12	22-6	Attic - ^ Master BR: Heat Rate-Of-Rise (Signal)	43	4A-S12	22	Blue	Signal	Z03
4A-S12		Attic - ^ Master BR		4A-S12	22	White	Return	NEG

Attic - ^ Master BR: Heat Rate-Of-Rise (Signal)

Discrete In / 04

M1 16 Zone Input Module #1

Input Address = M1:(2)020

One other connection in panel.

Change

Circuit ID <i>Cable ID</i>	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-S01	22-2	Water Detector (BR 4/5 Bath) (Signal)	3	1C-S01	22	Red	Signal	Z04
1C-S01			This Panel Only	1C-S01	22	Black	Signal Return	NEG

Water Detector (BR 4/5 Bath) (Signal)

Discrete In / 05

M1 16 Zone Input Module #1

Input Address = M1:(2)021

One other connection in panel.

Change

Circuit ID <i>Cable ID</i>	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A20	22-2	Red Utility Closet: Sensor Trouble	3	1C-A20	22	Red	Signal	Z05
1C-A20			This Panel Only	1C-A20	22	Black	Return	NEG

Red Utility Closet: Sensor Trouble

Discrete In / 06

M1 16 Zone Input Module #1

Input Address = M1:(2)022

Circuit ID <i>Cable ID</i>	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1A-S11	22-6	BR 5 Alcove: Smoke Detector (Signal)	9	1A-S11/12	22	Green	Smoke Signal	Z06
1A-S11/12			BR 5 Alcove	1A-S11/12	22	Black	Common	NEG

BR 5 Alcove: Smoke Detector (Signal)

Discrete In / 07

M1 16 Zone Input Module #1

Input Address = M1:(2)023

Circuit ID <i>Cable ID</i>	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1A-S12	22-6	BR 5: CO Detector (Signal)	9	1A-S11/12	22	Blue	CO Signal	Z07
1A-S11/12			BR 5	1A-S11/12	22	Black	Common	NEG

BR 5: CO Detector (Signal)

Discrete In / 08

BR 4 Desk: Desk Window

M1 16 Zone Input Module #1

Input Address = M1:(2)024

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	
1B-S01 1B-S01/11	22-6	BR 4 Desk: Desk Window	24 BR 4 Desk	1B-S01/11	22	Red	Signal	Z08	
				1B-S01/11	22	Black	Return	NEG	

Discrete In / 09

One other connection in panel.

BR 5: Windows (All)

M1 16 Zone Input Module #1

Input Address = M1:(2)025

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	
1C-A25 1C-A25	22-2	BR 5: Windows (All)	3 This Panel Only	1C-A25	22	Red	Signal	Z09	
				1C-A25	22	Black	Return	NEG	

Discrete In / 10

BR 4: Smoke Detector (Signal)

M1 16 Zone Input Module #1

Input Address = M1:(2)026

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	
1B-S04 1B-S04	22-6	BR 4: Smoke Detector (Signal)	19 BR 4	1B-S04	22	Green	Smoke Signal	Z10	
				1B-S04	22	Black	Common	NEG	

Discrete In / 11

BR 4: CO Detector (Signal)

M1 16 Zone Input Module #1

Input Address = M1:(2)027

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	
1B-S05 1B-S04	22-6	BR 4: CO Detector (Signal)	19 BR 4	1B-S04	22	Blue	CO Signal	Z11	
				1B-S04	22	Black	Common	NEG	

Discrete In / 12

One other connection in panel.

BR 4: Windows (All)

M1 16 Zone Input Module #1

Input Address = M1:(2)028

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	
1C-A26 1C-A26	22-2	BR 4: Windows (All)	3 This Panel Only	1C-A26	22	Red	Signal	Z12	
				1C-A26	22	Black	Return	NEG	

Discrete In / 13

One other connection in panel.

BR5&Bath: Window Intrusion (All)

M1 16 Zone Input Module #1

Input Address = M1:(2)029

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	
1C-A13 1C-A13	22-2	BR5&Bath: Window Intrusion (All)	3 This Panel Only	1C-A13	22	Red	Signal	Z13	
				1C-A13	22	Black	Return	NEG	

Discrete In / 14

One other connection in panel.

BR4: Window Intrusion (All)

M1 16 Zone Input Module #1

Input Address = M1:(2)030

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	
1C-A12 1C-A12	22-2	BR4: Window Intrusion (All)	3 This Panel Only	1C-A12	22	Red	Signal	Z14	
				1C-A12	22	Black	Return	NEG	

Discrete In / 15

Master Closet 2: Safe Door

M1 16 Zone Input Module #1

Input Address = M1:(2)031

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	
2A-A09 2A-A01	22-4	Master Closet 2: Safe Door	25 Master Closet 2	2A-A01	22	White	Signal	Z15	
				2A-A01	22	Green	Return	NEG	

Data Bus

One other connection in panel.

M1G Data Bus - Input Expander 5-1 (02)

M1 16 Zone Input Module #1

Superior Address = M1:(5)J5

<i>Upstream Cable</i>				<i>Upstream Wires</i>				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1C-C09 1C-C09	Cat 5 (M1)	M1G Data Bus - Input Expander 5-1 (02)	3 <i>This Panel Only</i>	1C-C09	Cat 5e	Brown	+	+12
				1C-C09	Cat 5e	Orange	A	A
				1C-C09	Cat 5e	White/Orange	B	B
				1C-C09	Cat 5e	Green	A1	A1
				1C-C09	Cat 5e	White/Green	B1	B1
				1C-C09	Cat 5e	White/Brown	-	Neg

M1 16 Zone Input Module (2 of 3)	"Input Expander 5-2 (03)"	Elk Products: ELK-M1XIN Tag Number 0217
---	---------------------------	--

Discrete In / 01

Fitness Room: Door (S)

M1 16 Zone Input Module #2

Input Address = M1:(3)033

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1D-S01	22-2	Fitness Room: Door (S)	39	1D-S01	22	Red	Signal	Z01
1D-S01			Fitness Room	1D-S01	22	Black	Signal Return	NEG

Discrete In / 02

Fitness Room: Door (N)

M1 16 Zone Input Module #2

Input Address = M1:(3)034

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1D-S02	22-2	Fitness Room: Door (N)	39	1D-S02	22	Red	Signal	Z02
1D-S02			Fitness Room	1D-S02	22	Black	Signal Return	NEG

Discrete In / 03

Fitness Room: Smoke Detector (Signal)

M1 16 Zone Input Module #2

Input Address = M1:(3)035

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1D-S03	22-4	Fitness Room: Smoke Detector (Signal)	39	1D-S03	22	Green	Signal	Z03
1D-S03			Fitness Room	1D-S03	22	White	Signal Return	NEG

Discrete In / 04

Great Room: Smoke Detector (Signal)

M1 16 Zone Input Module #2

Input Address = M1:(3)036

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2C-S10	22-4	Great Room: Smoke Detector (Signal)	51	2C-S10	22	Green	Signal	Z04
2C-S10			Great Room	2C-S10	22	White	Signal Return	NEG

Discrete In / 05

One other connection in panel.

Red Utility Closet: Master Closets: Windows (All)

M1 16 Zone Input Module #2

Input Address = M1:(3)037

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A27	22-2	Red Utility Closet: Master Closets: Windows (All)	3	1C-A27	22	Red	Signal	Z05
1C-A27			<i>This Panel Only</i>	1C-A27	22	Black	Return	NEG

Discrete In / 06

One other connection in panel.

Master BR: Windows (All)

M1 16 Zone Input Module #2

Input Address = M1:(3)038

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A28	22-2	Master BR: Windows (All)	3	1C-A28	22	Red	Signal	Z06
1C-A28			<i>This Panel Only</i>	1C-A28	22	Black	Return	NEG

Discrete In / 07

Great Room: Glass Break Detector (Signal)

M1 16 Zone Input Module #2

Input Address = M1:(3)039

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2C-S06	22-4	Great Room: Glass Break Detector (Signal)	45	2C-S06	22	Green	Signal	Z07
2C-S06			Great Room	2C-S06	22	White	Signal Return	NEG

Discrete In / 08

M1 16 Zone Input Module #2

Input Address = M1:(3)040

<i>Source Cable(s)</i>				<i>Source Wires</i>					<i>Device Connection</i>
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
2C-S12 2C-S12	22-4	Great Room: Motion Detector (Signal)	55 Great Room	2C-S12 2C-S12	22 22	Green White	Signal Signal Return	Z08 NEG	

Great Room: Motion Detector (Signal)

Discrete In / 09

M1 16 Zone Input Module #2

Input Address = M1:(3)041

<i>Source Cable(s)</i>				<i>Source Wires</i>					<i>Device Connection</i>
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
2A-S05 2A-S05	22-4	Master BR: Window Intrusion	21 Master BR	2A-S05 2A-S05	22 22	Green White	Signal Signal Return	Z09 NEG	

Master BR: Window Intrusion

Discrete In / 10

M1 16 Zone Input Module #2

Input Address = M1:(3)042

<i>Source Cable(s)</i>				<i>Source Wires</i>					<i>Device Connection</i>
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
2A-S06 2A-S06/13	22-2	Master BR Foyer: Deck Door	36 Master BR Foyer	2A-S06/13 2A-S06/13	22 22	Red Black	Signal Signal Return	Z10 NEG	

Master BR Foyer: Deck Door

Discrete In / 12

M1 16 Zone Input Module #2

Input Address = M1:(3)044

<i>Source Cable(s)</i>				<i>Source Wires</i>					<i>Device Connection</i>
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1C-S06 1C-S06	22-4	Long Hall: Motion Detector (Signal)	26 Long Hall	1C-S06 1C-S06	22 22	Green White	Signal Signal Return	Z12 NEG	

Long Hall: Motion Detector (Signal)

Discrete In / 13

M1 16 Zone Input Module #2

Input Address = M1:(3)045

<i>Source Cable(s)</i>				<i>Source Wires</i>					<i>Device Connection</i>
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1C-S07 1C-S07/08	22-6	Long Hall: Smoke Detector (Signal)	20 Long Hall	1C-S07/08 1C-S07/08	22 22	Green Black	Smoke Signal Common	Z13 NEG	

Long Hall: Smoke Detector (Signal)

Discrete In / 14

M1 16 Zone Input Module #2

Input Address = M1:(3)046

<i>Source Cable(s)</i>				<i>Source Wires</i>					<i>Device Connection</i>
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1C-S08 1C-S07/08	22-6	Long Hall: CO Detector (Signal)	20 Long Hall	1C-S07/08 1C-S07/08	22 22	Blue Black	CO Signal Common	Z14 NEG	

Long Hall: CO Detector (Signal)

Discrete In / 15

M1 16 Zone Input Module #2

Input Address = M1:(3)047

<i>Source Cable(s)</i>				<i>Source Wires</i>					<i>Device Connection</i>
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
2A-S14 2A-S14	22-4	Master Closet 1: Smoke Detector (Signal)	19 Master Closet 1	2A-S14 2A-S14	22 22	Green White	Signal Signal Return	Z15 NEG	

Master Closet 1: Smoke Detector (Signal)

Discrete In / 16

M1 16 Zone Input Module #2

Input Address = M1:(3)048

<i>Source Cable(s)</i>				<i>Source Wires</i>					<i>Device Connection</i>
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
2A-S15 2A-S15	22-4	Master BR: Smoke Detector (Signal)	18 Master BR	2A-S15 2A-S15	22 22	Green White	Signal Signal Return	Z16 NEG	

Master BR: Smoke Detector (Signal)

Data Bus

One other connection in panel.

M1G Data Bus - Input Expander 5-2 (03)

M1 16 Zone Input Module #2

Superior Address = M1:(5)J6

<i>Upstream Cable</i>				<i>Upstream Wires</i>				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-C10 1C-C10	Cat 5 (M1)	M1G Data Bus - Input Expander 5-2 (03)	3 <i>This Panel Only</i>	1C-C10	Cat 5e	Brown	+	+12
				1C-C10	Cat 5e	Orange	A	A
				1C-C10	Cat 5e	White/Orange	B	B
				1C-C10	Cat 5e	Green	A1	A1
				1C-C10	Cat 5e	White/Green	B1	B1
				1C-C10	Cat 5e	White/Brown	-	Neg

M1 16 Zone Input Module (3 of 3)	"Input Expander 5-3 (04)"	Elk Products: ELK-M1XIN Tag Number 0219
---	---------------------------	--

Discrete In / 01

Master BR: CO Detector (Signal)

M1 16 Zone Input Module #3

Input Address = M1:(4)049

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2A-S16	22-4	Master BR: CO Detector (Signal)	15	2A-S16	22	Green	Signal	Z01
2A-S16			Master BR	2A-S16	22	Black	Common	NEG

Discrete In / 02

Master BR Hall: Smoke Detector (Signal)

M1 16 Zone Input Module #3

Input Address = M1:(4)050

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2A-S17	22-4	Master BR Hall: Smoke Detector (Signal)	28	2A-S17	22	Green	Signal	Z02
2A-S17			Master BR Hall	2A-S17	22	White	Signal Return	NEG

Discrete In / 03

Master Bath: Window

M1 16 Zone Input Module #3

Input Address = M1:(4)051

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2B-S01	22-2	Master Bath: Window	21	2B-S01	22	Red	Signal	Z03
2B-S01			Master Bath	2B-S01	22	Black	Signal Return	NEG

Discrete In / 05

Study: Wet Bar Door

M1 16 Zone Input Module #3

Input Address = M1:(4)053

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2B-S03	22-2	Study: Wet Bar Door	32	2B-S03	22	Red	Signal	Z05
2B-S03			Study	2B-S03	22	Black	Signal Return	NEG

Discrete In / 06

Study: Window

M1 16 Zone Input Module #3

Input Address = M1:(4)054

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2B-S04	22-2	Study: Window	28	2B-S04	22	Red	Signal	Z06
2B-S04			Study	2B-S04	22	Black	Signal Return	NEG

Discrete In / 07

Master Toilet: Window

M1 16 Zone Input Module #3

Input Address = M1:(4)055

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2B-S12	22-2	Master Toilet: Window	25	2B-S12	22	Red	Signal	Z07
2B-S12			Master Toilet	2B-S12	22	Black	Signal Return	NEG

Discrete In / 08

BR 4/5 Bath: Window Sash

M1 16 Zone Input Module #3

Input Address = M1:(4)056

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1A-S07	22-6	BR 4/5 Bath: Window Sash	22	1A-S07/15	22	Red	Signal	Z08
1A-S07/15			BR 4/5 Bath	1A-S07/15	22	Black	Return	NEG

Discrete In / 09

Study: Smoke Detector (Signal)

M1 16 Zone Input Module #3

Input Address = M1:(4)057

Source Cable(s)				Source Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
2B-S10	22-4	Study: Smoke Detector (Signal)	71	2B-S10	22	Green	Signal	Z09	
2B-S10			Study	2B-S10	22	White	Signal Return	NEG	

Discrete In / 10

One other connection in panel.

Water Detector (Master Bath & Wet Bar) (Signal)

M1 16 Zone Input Module #3

Input Address = M1:(4)058

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	
1C-S02	22-2	Water Detector (Master Bath & Wet Bar) (Signal)	3	1C-S02	22	Red	Signal	Z10	
1C-S02			This Panel Only	1C-S02	22	Black	Signal Return	NEG	

Discrete In / 11

Red Utility Closet: Door

M1 16 Zone Input Module #3

Input Address = M1:(4)059

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	
1C-S03	22-2	Red Utility Closet: Door	9	1C-S03	22	Red	Signal	Z11	
1C-S03			Red Utility Closet	1C-S03	22	Black	Signal Return	NEG	

Data Bus

One other connection in panel.

M1G Data Bus - Input Expander 5-3 (04)

M1 16 Zone Input Module #3

Superior Address = M1:(5)J7

Upstream Cable				Upstream Wires					Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection	
1C-C11	Cat 5 (M1)	M1G Data Bus - Input Expander 5-3 (04)	3	1C-C11	Cat 5e	Brown	+	+12	
1C-C11			This Panel Only	1C-C11	Cat 5e	Orange	A	A	
				1C-C11	Cat 5e	White/Orange	B	B	
				1C-C11	Cat 5e	Green	A1	A1	
				1C-C11	Cat 5e	White/Green	B1	B1	
				1C-C11	Cat 5e	White/Brown	-	Neg	

M1 Output Expander 8 Voltage / 8 Relay	"Output Expander 5-1 (06)"	Elk Products: ELK-M1XOVR	Tag Number 0261
---	----------------------------	--------------------------	--------------------

Data Bus

One other connection in panel.

M1G Data Bus - Output Expander 5-1 (06)

M1 Output Expander 8 Voltage / 8 Relay

Superior Address = M1:(5)J4

	Circuit ID Cable ID	Style	Location & Name	Length & Destination		Cable ID	AWG	Wire Color	Wire Function	Device Connection
	1C-C12	Cat 5 (M1)	M1G Data Bus - Output Expander 5-1 (06)	3	This Panel Only	1C-C12	Cat 5e	Orange	A	A
	1C-C12					1C-C12	Cat 5e	White/Orange	B	B
						1C-C12	Cat 5e	Green	A1	A1
						1C-C12	Cat 5e	White/Green	B1	B1
						1C-C12	Cat 5e	White/Brown	-	NEG



M1 Data Bus Hub	"M1 Data Bus Hub 5"	Elk Products: ELK-M1DBH Tag Number 0215
------------------------	---------------------	--

Data Bus In

M1 Data Bus Hub

Superior Address = M1:(4)J3
Inferior Address = M1:(5)X1

Upstream Cable

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1C-C13 1C-C13	Cat 5 (M1)	M1G Data Bus (Green to Red)	71 Green/CN-Panel

Upstream Wires

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-C13	Cat 5e	Orange	A	A
1C-C13	Cat 5e	White/Orange	B	B
1C-C13	Cat 5e	White/Brown	-	Neg

M1G Data Bus (Green to Red)

Data Bus / Port 1

M1 Data Bus Hub

Superior Address = M1:(5)J1

Downstream Cable

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1A-A02 1A-A02	Cat 5 (M1)	BR 5 Alcove: Security Keypad Data (11)	17 BR 5

Downstream Wires

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1A-A02	Cat 5e	Brown	+	Port 1 +12
1A-A02	Cat 5e	Orange	A	Port 1 A
1A-A02	Cat 5e	White/Orange	B	Port 1 B
1A-A02	Cat 5e	Green	A1	Port 1 A1
1A-A02	Cat 5e	White/Green	B1	Port 1 B1
1A-A02	Cat 5e	White/Brown	-	Port 1 Neg

BR 5 Alcove: Security Keypad Data (11)

Data Bus / Port 2

M1 Data Bus Hub

Superior Address = M1:(5)J2

Downstream Cable

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1B-A02 1B-A02	Cat 5 (M1)	BR 4: Security Keypad Data (10)	16 BR 4

Downstream Wires

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1B-A02	Cat 5e	Brown	+	Port 2 +12
1B-A02	Cat 5e	Orange	A	Port 2 A
1B-A02	Cat 5e	White/Orange	B	Port 2 B
1B-A02	Cat 5e	Green	A1	Port 2 A1
1B-A02	Cat 5e	White/Green	B1	Port 2 B1
1B-A02	Cat 5e	White/Brown	-	Port 2 Neg

BR 4: Security Keypad Data (10)

Data Bus / Port 3

M1 Data Bus Hub

Superior Address = M1:(5)J3

Downstream Cable

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2A-A04 2A-A04	Cat 5 (M1)	Master BR: Security Keypad Data (06)	21 Master BR

Downstream Wires

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2A-A04	Cat 5e	Brown	+	Port 3 +12
2A-A04	Cat 5e	Orange	A	Port 3 A
2A-A04	Cat 5e	White/Orange	B	Port 3 B
2A-A04	Cat 5e	Green	A1	Port 3 A1
2A-A04	Cat 5e	White/Green	B1	Port 3 B1
2A-A04	Cat 5e	White/Brown	-	Port 3 Neg

Master BR: Security Keypad Data (06)

Data Bus / Port 4

M1 Data Bus Hub

Superior Address = M1:(5)J4

Downstream Cable

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1C-C12 1C-C12	Cat 5 (M1)	M1G Data Bus - Output Expander 5-1 (06)	3 This Panel Only

Downstream Wires

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-C12	Cat 5e	Orange	A	Port 4 A
1C-C12	Cat 5e	White/Orange	B	Port 4 B
1C-C12	Cat 5e	Green	A1	Port 4 A1
1C-C12	Cat 5e	White/Green	B1	Port 4 B1
1C-C12	Cat 5e	White/Brown	-	Port 4 Neg

M1G Data Bus - Output Expander 5-1 (06)

One other connection in panel.

Data Bus / Port 5

One other connection in panel.

M1G Data Bus - Input Expander 5-1 (02)

M1 Data Bus Hub

Superior Address = M1:(5)J5

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1C-C09 1C-C09	Cat 5 (M1)	M1G Data Bus - Input Expander 5-1 (02)	3 This Panel Only

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-C09	Cat 5e	Brown	+	Port 5 +12
1C-C09	Cat 5e	Orange	A	Port 5 A
1C-C09	Cat 5e	White/Orange	B	Port 5 B
1C-C09	Cat 5e	Green	A1	Port 5 A1
1C-C09	Cat 5e	White/Green	B1	Port 5 B1
1C-C09	Cat 5e	White/Brown	-	Port 5 Neg

Data Bus / Port 6

One other connection in panel.

M1G Data Bus - Input Expander 5-2 (03)

M1 Data Bus Hub

Superior Address = M1:(5)J6

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1C-C10 1C-C10	Cat 5 (M1)	M1G Data Bus - Input Expander 5-2 (03)	3 This Panel Only

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-C10	Cat 5e	Brown	+	Port 6 +12
1C-C10	Cat 5e	Orange	A	Port 6 A
1C-C10	Cat 5e	White/Orange	B	Port 6 B
1C-C10	Cat 5e	Green	A1	Port 6 A1
1C-C10	Cat 5e	White/Green	B1	Port 6 B1
1C-C10	Cat 5e	White/Brown	-	Port 6 Neg

Data Bus / Port 7

One other connection in panel.

M1G Data Bus - Input Expander 5-3 (04)

M1 Data Bus Hub

Superior Address = M1:(5)J7

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1C-C11 1C-C11	Cat 5 (M1)	M1G Data Bus - Input Expander 5-3 (04)	3 This Panel Only

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-C11	Cat 5e	Brown	+	Port 7 +12
1C-C11	Cat 5e	Orange	A	Port 7 A
1C-C11	Cat 5e	White/Orange	B	Port 7 B
1C-C11	Cat 5e	Green	A1	Port 7 A1
1C-C11	Cat 5e	White/Green	B1	Port 7 B1
1C-C11	Cat 5e	White/Brown	-	Port 7 Neg

Data Bus / Port 8

One other connection in panel.

Data Bus Termination Resistor

M1 Data Bus Hub

Superior Address = M1:(5)J8

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1C-A16 1C-A16	Cat 5 (M1)	Data Bus Termination Resistor	3 This Panel Only

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A16	Cat 5e	Orange	A	Port 8 A
1C-A16	Cat 5e	White/Orange	B	Port 8 B

Data Bus / Port 9

[M1:(5)J9]

M1 Data Bus Hub

Circuit ID Cable ID	Style	Location & Name	Length & Destination

Power In (12 Vdc)

8 other connections in panel.

12 Vdc Local Power Bus

M1 Data Bus Hub

Circuit ID Cable ID	Style	Location & Name	Length & Destination
1C-A10 1C-A10	18-2	12 Vdc Local Power Bus	3 This Panel Only

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A10	18	Red	+12 Vdc	+12
1C-A10	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 0274
---	-------------------------------------	--

Power In (12 Vdc)

8 other connections in panel.

12 Vdc Local 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
1C-A10	18-2	12 Vdc Local Power Bus	3	1C-A10	18	Red	+12 Vdc	POS
1C-A10			This Panel Only	1C-A10	18	Black	12 Vdc Return	NEG

Power Output / 1

Power Dist Module, 12Vdc, 250ma #1

Output On

Great Room: Glass & Motion Detectors (Power)

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2C-P06	22-4	Great Room: Glass Break Detector (Power)	45	2C-S06	22	Red	+12 Vdc	POWER 1 - POS
2C-S06			Great Room	2C-S06	22	Black	12 V Return	POWER 1 - NEG
2C-P12	22-4	Great Room: Motion Detector (Power)	55	2C-S12	22	Red	+12 Vdc	POWER 1 - POS
2C-S12			Great Room	2C-S12	22	Black	12 V Return	POWER 1 - NEG

Power Output / 2

Power Dist Module, 12Vdc, 250ma #1

Output On

Bedrooms 4, 5 & Master CO Detectors

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2A-P16	22-4	Master BR: CO Detector (Power)	15	1A-S11/12	22	Brown	+12 Vdc Power	POWER 2 - POS
2A-S16			Master BR	1A-S11/12	22	Black	Common	POWER 2 - NEG
1A-P12	22-6	BR 5: CO Detector (Power)	9	1B-S04	22	Brown	+12 Vdc Power	POWER 2 - POS
1A-S11/12			BR 5	1B-S04	22	Black	Common	POWER 2 - NEG
1B-P05	22-6	BR 4: CO Detector (Power)	19	2A-S16	22	Red	+12 Vdc	POWER 2 - POS
1B-S04			BR 4	2A-S16	22	Black	Common	POWER 2 - NEG

Power Output / 3

Power Dist Module, 12Vdc, 250ma #1

Output On

Master Bath & BR 4/5 Bath CO Detectors (Power)

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2B-P07	22-4	Master Bath: Motion Detector (Power)	25	1A-S08	22	Red	+12 Vdc	POWER 3 - POS
2B-S07			Master Bath	1A-S08	22	Black	12 V Return	POWER 3 - NEG
1A-P08	22-4	BR 4/5 Bath: Motion Detector (Power)	20	2B-S07	22	Red	+12 Vdc	POWER 3 - POS
1A-S08			BR 4/5 Bath	2B-S07	22	Black	12 V Return	POWER 3 - NEG

Power Output / 4

Power Dist Module, 12Vdc, 250ma #1

Output On

Long Hall Motion & CO Detectors (Power)

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-P06	22-4	Long Hall: Motion Detector (Power)	26	1C-S06	22	Red	+12 Vdc	POWER 4 - POS
1C-S06			Long Hall	1C-S06	22	Black	12 V Return	POWER 4 - NEG
1C-P08	22-6	Long Hall: CO Detector (Power)	20	1C-S07/08	22	Brown	+12 Vdc	POWER 4 - POS
1C-S07/08			Long Hall	1C-S07/08	22	Black	Common	POWER 4 - NEG

Power Output / 5

2 other connections in panel.

Water 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
1C-P01	22-2	Water Detector Power	3	1C-P01	22	Red	+12 Vdc	POWER 5 - POS
1C-P01			This Panel Only	1C-P01	22	Black	12 V Return	POWER 5 - NEG

Power Output / 6

Attic: Heat Rate-Of-Rise (Power)

Power Dist Module, 12Vdc, 250ma #1

		<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				<i>Device Connection</i>
<i>Output</i>	On	Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
<i>Output</i>	On	4A-P10	22-6	Attic - ^ Upper Level: Heat Rate-Of-Rise (Power)	96	4A-S10	22	Red	Power	POWER 6 - POS
		4A-S10			Attic - ^ Upper Level	4A-S10	22	Black	Power Return	POWER 6 - NEG
		4A-P11	22-6	Attic - ^ Laundry Rm: Heat Rate-Of-Rise (Power)	72	4A-S11	22	Red	Power	POWER 6 - POS
		4A-S11			Attic - ^ Laundry Rm	4A-S11	22	Black	Power Return	POWER 6 - NEG
		4A-P12	22-6	Attic - ^ Master BR: Heat Rate-Of-Rise (Power)	43	4A-S12	22	Red	Power	POWER 6 - POS
		4A-S12			Attic - ^ Master BR	4A-S12	22	Black	Power Return	POWER 6 - NEG

Power Output / 7

Radon Blower Current OK (Power)

Power Dist Module, 12Vdc, 250ma #1

		<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				<i>Device Connection</i>
<i>Output</i>	On	Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
<i>Output</i>	On	1C-P05	22-6	Radon Blower Current OK (Power)	14	1C-A11	22	Red	+12 Vdc	POWER 7 - POS
		1C-A11			Red/GP-Panel	1C-A11	22	Black	Return	POWER 7 - NEG

Power Dist Module, 12Vdc, 250ma (2 of 2)	"Smoke Detector 12 Vdc Power Distribution"	Elk Products: ELK-PD9 Tag Number 0643
---	--	--

Power In (12 Vdc)

One other connection in panel.

Switched Smoke Power

Power Dist Module, 12Vdc, 250ma #2

Input On

	Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
	1C-A08	18-2	Switched Smoke Power	3	1C-A08	18	Red	Switched	POS
	1C-A08			This Panel Only	1C-A08	18	Black	Return	NEG

Power Output / 1

Great Room: Smoke Detector (Power)

Power Dist Module, 12Vdc, 250ma #2

Output On

	Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
	2C-P10	22-4	Great Room: Smoke Detector (Power)	51	2C-S10	22	Red	+12 Vdc	POWER 1 - POS
	2C-S10			Great Room	2C-S10	22	Black	12 V Return	POWER 1 - NEG

Power Output / 2

Study: Smoke Detector (Power)

Power Dist Module, 12Vdc, 250ma #2

Output On

	Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
	2B-P10	22-4	Study: Smoke Detector (Power)	71	2B-S10	22	Red	+12 Vdc (Smoke)	POWER 2 - POS
	2B-S10			Study	2B-S10	22	Black	12 V Return	POWER 2 - NEG

Power Output / 3

Master Closet 1: Smoke Detector (Power)

Power Dist Module, 12Vdc, 250ma #2

Output On

	Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
	2A-P14	22-4	Master Closet 1: Smoke Detector (Power)	19	2A-S14	22	Red	+12 Vdc (Smoke)	POWER 3 - POS
	2A-S14			Master Closet 1	2A-S14	22	Black	12 V Return	POWER 3 - NEG

Power Output / 4

Master BR: Smoke Detector (Power)

Power Dist Module, 12Vdc, 250ma #2

Output On

	Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
	2A-P15	22-4	Master BR: Smoke Detector (Power)	18	2A-S15	22	Red	+12 Vdc (Smoke)	POWER 4 - POS
	2A-S15			Master BR	2A-S15	22	Black	12 V Return	POWER 4 - NEG

Power Output / 5

Master BR Hall: Smoke Detector (Power)

Power Dist Module, 12Vdc, 250ma #2

Output On

	Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
	2A-P17	22-4	Master BR Hall: Smoke Detector (Power)	28	2A-S17	22	Red	+12 Vdc (Smoke)	POWER 5 - POS
	2A-S17			Master BR Hall	2A-S17	22	Black	12 V Return	POWER 5 - NEG

Power Output / 6

Fitness Room: Smoke Detector (Power)

Power Dist Module, 12Vdc, 250ma #2

Output On

	Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
	1D-P03	22-4	Fitness Room: Smoke Detector (Power)	39	1D-S03	22	Red	+12 Vdc (Smoke)	POWER 6 - POS
	1D-S03			Fitness Room	1D-S03	22	Black	12 V Return	POWER 6 - NEG

Power Output / 7

Long Hall: Smoke Detector (Power)

Power Dist Module, 12Vdc, 250ma #2

Output On

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1C-P07	22-6	Long Hall: Smoke Detector (Power)	20	1C-S07/08	22	Red	+12 Vdc (Smoke)	POWER 7 - POS
1C-S07/08			Long Hall	1C-S07/08	22	Black	Common	POWER 7 - NEG

Power Output / 8

BR 5 Alcove: Smoke Detector (Power)

Power Dist Module, 12Vdc, 250ma #2

Output On

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1A-P11	22-6	BR 5 Alcove: Smoke Detector (Power)	9	1A-S11/12	22	Red	+12 Vdc (Smoke)	POWER 8 - POS
1A-S11/12			BR 5 Alcove	1A-S11/12	22	Black	Common	POWER 8 - NEG

Power Output / 9

BR 4: Smoke Detector (Power)

Power Dist Module, 12Vdc, 250ma #2

Output On

Load Cable(s)				Load Cable Wires				Device Connection
Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1B-P04	22-6	BR 4: Smoke Detector (Power)	19	1B-S04	22	Red	+12 Vdc (Smoke)	POWER 9 - POS
1B-S04			BR 4	1B-S04	22	Black	Common	POWER 9 - NEG

Power Dist Module, 12Vdc, 400ma	"Strobe 12 Vdc Power Distribution"	Elk Products: ELK-PD9HC	Tag Number 0686
--	------------------------------------	-------------------------	--------------------

Power In (12 Vdc)

One other connection in panel.

Switched Strobe Power

Power Dist Module, 12Vdc, 400ma

		Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
<i>Input</i>	M1:(2a)024	1C-A09	18-2	Switched Strobe Power	3	1C-A09	18	Red	Switched	POS
		1C-A09			This Panel Only	1C-A09	18	Black	Return	NEG

Power Output / 1

Master BR: Alarm Strobe

Power Dist Module, 12Vdc, 400ma

		Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
<i>Output</i>	M1:(2a)024	2A-A03	18-4	Master BR: Alarm Strobe	20	2A-A03	18	Green	Switched	POWER 1 - POS
		2A-A03			Master BR	2A-A03	18	White	Return	POWER 1 - NEG

Power Output / 2

BR 5 Alcove: Alarm Strobe

Power Dist Module, 12Vdc, 400ma

		Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
<i>Output</i>	M1:(2a)024	1A-A03	18-4	BR 5 Alcove: Alarm Strobe	18	1A-A03	18	Green	Switched	POWER 2 - POS
		1A-A03			BR 5 Alcove	1A-A03	18	White	Return	POWER 2 - NEG

Power Output / 3

BR 4: Alarm Strobe

Power Dist Module, 12Vdc, 400ma

		Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
<i>Output</i>	M1:(2a)024	1B-A03	18-4	BR 4: Alarm Strobe	16	1B-A03	18	Green	Switched	POWER 3 - POS
		1B-A03			BR 4	1B-A03	18	White	Return	POWER 3 - NEG

Power Output / 4

Long Hall: Alarm Strobe

Power Dist Module, 12Vdc, 400ma

		Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
<i>Output</i>	M1:(2a)024	1C-A17	18-4	Long Hall: Alarm Strobe	24	1C-A01	18	Green	Switched	POWER 4 - POS
		1C-A01			Long Hall	1C-A01	18	White	Return	POWER 4 - NEG

Power Output / 5

Master BR Hall: Alarm Strobe

Power Dist Module, 12Vdc, 400ma

		Circuit ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
<i>Output</i>	M1:(2a)024	2A-A10	18-4	Master BR Hall: Alarm Strobe	24	2A-A07	18	Green	Switched	POWER 5 - POS
		2A-A07			Master BR Hall	2A-A07	18	White	Return	POWER 5 - NEG

M1 Audio Amplifier	"Inside Alarm Speaker Amplifier #2"	Elk Products: ELK-800	Tag Number 0222
---------------------------	-------------------------------------	-----------------------	--------------------

Audio In

Red: Alarm Audio 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	
1C-C06	Cat 5e	Red: Alarm Audio Line Level Drive	57	1C-C06	Cat 5e	Blue	Terminal A	Input (A)
1C-C06			White/CN-Panel/1	1C-C06	Cat 5e	White/Blue	Terminal B	Input (B)

Output

One other connection in panel.

"Red" Alarm 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	
1C-A18	18-2	"Red" Alarm Amplifier Output	3	1C-A18	18	Red	Speaker +	Speaker (A)
1C-A18			<i>This Panel Only</i>	1C-A18	18	Black	Speaker -	Speaker (B)

Power In (12 Vdc)

8 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	
1C-A10	18-2	12 Vdc Local Power Bus	3	1C-A10	18	Red	+12 Vdc	Power (A)
1C-A10			<i>This Panel Only</i>	1C-A10	18	Black	12 Vdc Return	Power (B)

Resistor, M1G Bus Term	"M1G Control Bus Termination Resistor"	Elk (Part TBD)	Tag Number 1179
-------------------------------	--	----------------	--------------------

Input

One other connection in panel.

Data Bus Termination Resistor

Resistor, M1G Bus Term

Superior Address = M1:(5)J8

Circuit ID Cable ID	Style	Location & Name	Source Cable(s)	Length & Destination	Cable ID	AWG	Source Wires Wire Color	Wire Function	Device Connection
1C-A16	Cat 5 (M1)	Data Bus Termination Resistor		3	1C-A16	Cat 5e	Orange	A	A
1C-A16				This Panel Only	1C-A16	Cat 5e	White/Orange	B	B

Detector, Water (1 of 2)	"Water Detector Serving BR 4/5 Bath"	Winland Electronics: "WaterBug" WB-200	Tag Number 0234
---------------------------------	--------------------------------------	--	--------------------

Sensor Input

BR 4/5 Bath Toilet: Water Sensor Chain

Detector, Water #1

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1A-S10	22-2	BR 4/5 Bath Toilet: Water Sensor Chain	9	1A-S10	22	Black	Terminal A	3 (Input A)
1A-S10			BR 4/5 Bath Toilet	1A-S10	22	Red	Terminal B	4 (Input B)

Contact Pair, NC

One other connection in panel.

Water Detector (BR 4/5 Bath) (Signal)

Detector, Water #1

Input Address = M1:(2)020

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-S01	22-2	Water Detector (BR 4/5 Bath) (Signal)	3	1C-S01	22	Black	Signal Return	5 (Relay Com)
1C-S01			This Panel Only	1C-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
1C-P01	22-2	Water Detector Power	3	1C-P01	22	Red	+12 Vdc	1 (V+)
1C-P01			This Panel Only	1C-P01	22	Black	12 V Return	2 (Gnd)

Detector, Water (2 of 2)	"Water Detector Serving Master Bath & Study Wet Bar"	Winland Electronics: "WaterBug" WB-200	Tag Number 0235
---------------------------------	--	--	--------------------

Sensor Input

Study Wet Bar: Water Sensor Chain

Detector, Water #2

	<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
2B-S11	22-2	Study Wet Bar: Water Sensor Chain	14	2B-S11	22	Black	Terminal A	3 (Input A)
2B-S11			Study Wet Bar	2B-S11	22	Red	Terminal B	4 (Input B)

Contact Pair, NC

One other connection in panel.

Water Detector (Master Bath & Wet Bar) (Signal)

Detector, Water #2

Input Address = M1:(4)058

	<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
1C-S02	22-2	Water Detector (Master Bath & Wet Bar) (Signal)	3	1C-S02	22	Black	Signal Return	5 (Relay Com)
1C-S02			This Panel Only	1C-S02	22	Red	Signal	7 (Relay NC)

Power In (12 Vdc)

2 other connections in panel.

Water Detector Power

Detector, Water #2

	<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
1C-P01	22-2	Water Detector Power	3	1C-P01	22	Red	+12 Vdc	1 (V+)
1C-P01			This Panel Only	1C-P01	22	Black	12 V Return	2 (Gnd)

Transformer, 70v Audio, 4Ω, 10W	"Alarm Speaker 70v Step-up Transformer"	Edcor: WS15-70 Tag Number 1177
--	--	---

Audio In

One other connection in panel.

"Red" Alarm Amplifier Output

Transformer, 70v Audio, 4Ω, 10W

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A18 1C-A18	18-2	"Red" Alarm Amplifier Output	3 This Panel Only	1C-A18 1C-A18	18 18	Red Black	Speaker + Speaker -	4Ω (6) Com (8)

Audio Out

"Red" Alarm Speaker Set

Transformer, 70v Audio, 4Ω, 10W

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2A-A07 2A-A07	18-4	Master BR Hall: Alarm Speaker	24 Master BR Hall	1A-A03 1A-A03	18 18	Red Black	Speaker + Speaker -	10W (2) Com (4)
1C-A01 1C-A01	18-4	Long Hall: Alarm Speaker	24 Long Hall	1B-A03 1B-A03	18 18	Red Black	Speaker+ Speaker-	10W (2) Com (4)
1B-A04 1B-A03	18-4	BR 4: Alarm Speaker	16 BR 4	1C-A01 1C-A01	18 18	Red Black	Speaker + Speaker -	10W (2) Com (4)
1A-A04 1A-A03	18-4	BR 5 Alcove: Alarm Speaker	18 BR 5 Alcove	2A-A03 2A-A03	18 18	Red Black	Speaker + Speaker -	10W (2) Com (4)
2A-A11 2A-A03	18-4	Master BR: Alarm Speaker	20 Master BR	2A-A07 2A-A07	18 18	Red Black	Speaker + Speaker -	10W (2) Com (4)

9-Zone Combiner / Indicator (1 of 3)	"Trouble Indicator"	JTB: 1006-1	Tag Number 1064
---	---------------------	-------------	--------------------

OR (1-9) Input / 1

BR 5: CO Detector (Trouble)

9-Zone Combiner / Indicator #1

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1A-S16 1A-S11/12	22-6	BR 5: CO Detector (Trouble)	9 BR 5	1A-S11/12 1A-S11/12	22 22	White Black	CO Trouble Signal Common	In 1 Neg

OR (1-9) Input / 2

BR 4: CO Detector (Trouble)

9-Zone Combiner / Indicator #1

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1B-S07 1B-S04	22-6	BR 4: CO Detector (Trouble)	19 BR 4	1B-S04 1B-S04	22 22	White Black	CO Trouble Signal Common	In 2 Neg

OR (1-9) Input / 3

Master BR: CO Detector (Trouble)

9-Zone Combiner / Indicator #1

Change

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2A-S11 2A-S16	22-4	Master BR: CO Detector (Trouble)	15 Master BR	2A-S16 2A-S16	22 22	White Black	CO Trouble Signal Common	In 3 Neg

OR (1-9) Input / 4

Long Hall: CO Detector (Trouble)

9-Zone Combiner / Indicator #1

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-S10 1C-S07/08	22-6	Long Hall: CO Detector (Trouble)	20 Long Hall	1C-S07/08 1C-S07/08	22 22	White Black	CO Trouble Signal Common	In 4 Neg

OR (1-9) Input / 5

Radon Blower Trouble

9-Zone Combiner / Indicator #1

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A11 1C-A11	22-6	Radon Blower Trouble	14 Red/GP-Panel	1C-A11 1C-A11	22 22	Green White	Signal Signal Return	In 5 Neg

OR (1-9) Output

One other connection in panel.

Red Utility Closet: Sensor Trouble

9-Zone Combiner / Indicator #1

Input Address = M1:(2)021

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A20 1C-A20	22-2	Red Utility Closet: Sensor Trouble	3 This Panel Only	1C-A20 1C-A20	22 22	Red Black	Signal Return	Out 1-9 Neg

Power In (12 Vdc)

8 other connections in panel.

12 Vdc Local Power Bus

9-Zone Combiner / Indicator #1

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A10 1C-A10	18-2	12 Vdc Local Power Bus	3 This Panel Only	1C-A10 1C-A10	18 18	Red Black	+12 Vdc 12 Vdc Return	+12 V Neg

9-Zone Combiner / Indicator (2 of 3)	"Window Status 1"	JTB: 1006-1	Tag Number 1119
---	-------------------	-------------	--------------------

OR (1-3) Input / 1

BR 5: 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
1A-S01	22-6	BR 5: Window (R)	19	1A-S01	22	Red	Signal	In 1
1A-S01			BR 5	1A-S01	22	Black	Return	Neg

OR (1-3) Input / 2

BR 5: 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
1A-S02	22-4	BR 5: Window (L)	19	1A-S14	22	Red	Signal	In 2
1A-S14			BR 5	1A-S14	22	Black	Return	Neg

OR (4-6) Input / 4

BR 4: Window (R)

9-Zone Combiner / Indicator #2

Change

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1B-S08	22-6	BR 4: Window (R)	22	1B-S08	22	Red	Signal	In 4
1B-S08			BR 4	1B-S08	22	White	Return	Neg

OR (4-6) Input / 5

BR 4: 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
1B-S09	22-4	BR 4: Window (L)	22	1B-S10	22	Red	Signal	In 5
1B-S10			BR 4	1B-S10	22	Black	Return	Neg

OR (7-9) Input / 7

Master Closet 1: Window

9-Zone Combiner / Indicator #2

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2A-S01	22-2	Master Closet 1: Window	21	2A-S01	22	Red	Signal	In 7
2A-S01				2A-S01	22	Black	Signal Return	Neg

OR (7-9) Input / 8

Master Closet 2: Window

9-Zone Combiner / Indicator #2

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2A-S12	22-2	Master Closet 2: Window	25	2A-S12	22	Red	Signal	In 8
2A-S12			Master Closet 2	2A-S12	22	Black	Signal Return	Neg

OR (1-3) Output

One other connection in panel.

BR 5: Windows (All)

9-Zone Combiner / Indicator #2

Input Address = M1:(2)025

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A25	22-2	BR 5: Windows (All)	3	1C-A25	22	Red	Signal	Out 1-3
1C-A25			<i>This Panel Only</i>	1C-A25	22	Black	Return	Neg

OR (4-6) Output

One other connection in panel.

BR 4: Windows (All)

9-Zone Combiner / Indicator #2

Input Address = M1:(2)028

<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	
1C-A26	22-2	BR 4: Windows (All)	3	1C-A26	22	Red	Signal	Out 4-6
1C-A26			This Panel Only	1C-A26	22	Black	Return	Neg

OR (7-9) Output

One other connection in panel.

Red Utility Closet: Master Closets: Windows (All)

9-Zone Combiner / Indicator #2

Input Address = M1:(3)037

<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	
1C-A27	22-2	Red Utility Closet: Master Closets: Windows (All)	3	1C-A27	22	Red	Signal	Out 7-9
1C-A27			This Panel Only	1C-A27	22	Black	Return	Neg

Power In (12 Vdc)

8 other connections in panel.

12 Vdc Local Power Bus

9-Zone Combiner / Indicator #2

<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	
1C-A10	18-2	12 Vdc Local Power Bus	3	1C-A10	18	Red	+12 Vdc	+12 V
1C-A10			This Panel Only	1C-A10	18	Black	12 Vdc Return	Neg

9-Zone Combiner / Indicator (3 of 3)	"Window Status 2"	JTB: 1006-1	Tag Number 1120
---	-------------------	-------------	--------------------

OR (1-3) Input / 1

Master BR: Window Sash (L)

9-Zone Combiner / Indicator #3

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2A-S02 2A-S02>04	22-4	Master BR: Window Sash (L)	21 Master BR	2A-S02>04	22	White	Left / Middle	In 1
				2A-S02>04	22	Black	Signal Return	Neg

OR (1-3) Input / 2

Master BR: Window Sash (C)

9-Zone Combiner / Indicator #3

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2A-S03 2A-S02>04	22-4	Master BR: Window Sash (C)	21 Master BR	2A-S02>04	22	Green	Middle / Right	In 2
				2A-S02>04	22	Black	Signal Return	Neg

OR (1-3) Input / 3

Master BR: Window Sash (R)

9-Zone Combiner / Indicator #3

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2A-S04 2A-S02>04	22-4	Master BR: Window Sash (R)	21 Master BR	2A-S02>04	22	Red	Signal	In 3
				2A-S02>04	22	Black	Signal Return	Neg

OR (4-6) Input / 4

BR 4: Window Intrusion (L)

9-Zone Combiner / Indicator #3

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1B-S10 1B-S10	22-4	BR 4: Window Intrusion (L)	22 BR 4	1B-S10	22	White	Signal	In 4
				1B-S10	22	Green	Return	Neg

OR (4-6) Input / 5

BR 4: Window Intrusion (R)

9-Zone Combiner / Indicator #3

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1B-S12 1B-S08	22-6	BR 4: Window Intrusion (R)	22 No connections	1B-S08	22	Green	Signal	In 5
				1B-S08	22	Black	Return	Neg

OR (4-6) Input / 6

BR 4 Desk: Window Intrusion

9-Zone Combiner / Indicator #3

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1B-S11 1B-S01/11	22-6	BR 4 Desk: Window Intrusion	24 BR 4 Desk	1B-S01/11	22	White	Signal	In 6
				1B-S01/11	22	Green	Return	Neg

OR (7-9) Input / 7

BR 5: Window Intrusion (L)

9-Zone Combiner / Indicator #3

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1A-S17 1A-S14	22-4	BR 5: Window Intrusion (L)	19 No connections	1A-S14	22	White	Signal	In 7
				1A-S14	22	Green	Return	Neg

OR (7-9) Input / 8

BR 5: Window Intrusion (R)

9-Zone Combiner / Indicator #3

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1A-S14 1A-S01	22-6	BR 5: Window Intrusion (R)	19 BR 5	1A-S01 1A-S01	22 22	White Green	Signal Return	In 8 Neg

OR (7-9) Input / 9

BR 4/5 Bath: Window Intrusion

9-Zone Combiner / Indicator #3

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1A-S15 1A-S07/15	22-6	BR 4/5 Bath: Window Intrusion	22 BR 4/5 Bath	1A-S07/15 1A-S07/15	22 22	White Green	Signal Return	In 9 Neg

OR (1-3) Output

One other connection in panel.

Master BR: Windows (All)

9-Zone Combiner / Indicator #3

Input Address = M1:(3)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
1C-A28 1C-A28	22-2	Master BR: Windows (All)	3 This Panel Only	1C-A28 1C-A28	22 22	Red Black	Signal Return	Out 1-3 Neg

OR (4-6) Output

One other connection in panel.

BR4: Window Intrusion (All)

9-Zone Combiner / Indicator #3

Input Address = M1:(2)030

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
1C-A12 1C-A12	22-2	BR4: Window Intrusion (All)	3 This Panel Only	1C-A12 1C-A12	22 22	Red Black	Signal Return	Out 4-6 Neg

OR (7-9) Output

One other connection in panel.

BR5&Bath: Window Intrusion (All)

9-Zone Combiner / Indicator #3

Input Address = M1:(2)029

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
1C-A13 1C-A13	22-2	BR5&Bath: Window Intrusion (All)	3 This Panel Only	1C-A13 1C-A13	22 22	Red Black	Signal Return	Out 7-9 Neg

Power In (12 Vdc)

8 other connections in panel.

12 Vdc Local Power Bus

9-Zone Combiner / Indicator #3

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A10 1C-A10	18-2	12 Vdc Local Power Bus	3 This Panel Only	1C-A10 1C-A10	18 18	Red Black	+12 Vdc 12 Vdc Return	+12 V Neg

Power Connection Point (1 of 2)	"12 Vdc Power Input Point"	Field Splice	Tag Number na
--	----------------------------	--------------	------------------

Power In

Panel LV Power Supply Input

Power Connection Point #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	
1C-A04	14-4	Panel LV Power Supply Input	56	1C-A04	14	Red	+12 Vdc	Supply
1C-A04			White/CN-Panel/2	1C-A04	14	Black	12 Vdc Return	Return
1C-A19	14-4	Red: Single-point Common	56	1C-A04	14	Green	Common	Return
1C-A04			White/CN-Panel/2					

Power Output / 1

Panel LV Power Supply Sense

Power Connection Point #1

<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	
1C-A05	22-4 (S)	Panel LV Power Supply Sense	56	1C-A05	22	Red	Sense +	Load 1
1C-A05			White/CN-Panel/2	1C-A05	22	Black	Sense -	Return 1

Power Output / 2

8 other connections in panel.

12 Vdc Local Power Bus

Power Connection Point #1

<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	
1C-A10	18-2	12 Vdc Local Power Bus	3	1C-A10	18	Red	+12 Vdc	Load 2
1C-A10			This Panel Only	1C-A10	18	Black	12 Vdc Return	Return 2

Power Connection Point (2 of 2)	"16 vac Wall Safe Power Pass-Thru"	Field Splice	Tag Number na
--	------------------------------------	--------------	------------------

Power In

Master Closet Safe Power

Power Connection Point #2

	<u>Circuit ID</u> <u>Cable ID</u>	Style	Location & Name	Length & Destination		<u>Cable ID</u>	AWG	Wire Color	Wire Function	Device Connection
	1C-A15	18-2	Master Closet Safe Power	60		1C-A15	18	Black	16 Vac A	Supply
	1C-A15			White/CN-Panel/6		1C-A15	18	Red	16 Vac B	Return

Power Output / 1

Master Closet 2: Wall Safe Power

Power Connection Point #2

	<u>Circuit ID</u> <u>Cable ID</u>	Style	Location & Name	Length & Destination		<u>Cable ID</u>	AWG	Wire Color	Wire Function	Device Connection
	2A-A01	22-4	Master Closet 2: Wall Safe Power	25		2A-A01	22	Red	Power	Load 1
	2A-A01			Master Closet 2		2A-A01	22	Black	Return	Return 1

Tub Control Logic (1 of 2) "Control Logic for Master Bath Whirlpool Tub" (Part TBD) Tag Number 0226

Discrete Output

Master Bath: Tub Control

Tub Control Logic #1

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2B-A01	22-8	Master Bath: Tub Control	17	2B-A01	22	Black	Wire A	TBD 1
2B-A01			Master Bath	2B-A01	22	Red	Wire B	TBD 2

Discrete Output

Hot Tub Area: Hot Tub Control

Tub Control Logic #1

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2M-A03	22-8	Hot Tub Area: Hot Tub Control	31	2M-A03	22	Black	Wire A	TBD 1
2M-A03			Hot Tub Area	2M-A03	22	Red	Wire B	TBD 2

Relay, SPDT 12 Vdc Compact (1 of 2)	"Inside Alarm Strobe Relay"	Elk: "Compact Relay" Tag Number 0220
--	-----------------------------	---

Relay Com (In)

8 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>Cable ID</u>	AWG	Wire Color	Wire Function	Device Connection
	1C-A10	18-2	12 Vdc Local Power Bus	3		1C-A10	18	Red	+12 Vdc	COM
	1C-A10			This Panel Only		1C-A10	18	Black	12 Vdc 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>Cable ID</u>	AWG	Wire Color	Wire Function	Device Connection
	1C-A09	18-2	Switched Strobe Power	3		1C-A09	18	Red	Switched	NO
	1C-A09			This Panel Only		1C-A09	18	Black	Return	Return

Control In

Red: 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>Cable ID</u>	AWG	Wire Color	Wire Function	Device Connection
	1C-A03	22-4 (S)	Red: Inside Strobe Pilot	57		1C-A03	22	Red	Strobe Signal	Coil (+)
	1C-A03			White/CN-Panel/1		1C-A03	22	Black	Return	Coil (-)

Relay, SPDT 12 Vdc Compact (2 of 2)	"Smoke Power Relay"	Elk: "Compact Relay" Tag Number 0688
--	---------------------	---

Relay Com (In)

8 other connections in panel.

12 Vdc Local Power Bus

Relay, SPDT 12 Vdc Compact #2

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A10	18-2	12 Vdc Local Power Bus	3	1C-A10	18	Red	+12 Vdc	COM
1C-A10			This Panel Only	1C-A10	18	Black	12 Vdc Return	Return

Relay NO

One other connection in panel.

Switched Smoke Power

Relay, SPDT 12 Vdc Compact #2

Output On

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A08	18-2	Switched Smoke Power	3	1C-A08	18	Red	Switched	NO
1C-A08			This Panel Only	1C-A08	18	Black	Return	Return

Control In

Red: Smoke Power Pilot

Relay, SPDT 12 Vdc Compact #2

Input On

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A07	22-4 (S)	Red: Smoke Power Pilot	57	1C-A03	22	White	Smoke Signal	Coil (+)
1C-A03			White/CN-Panel/1	1C-A03	22	Black	Return	Coil (-)

Pass-Thru, Signal Set "Energy Management Pass-Thru Set" Field Splice Tag Number na

Input / Channel #1

BR 4/5 Bath Doors (2)

Pass-Thru, Signal Set

Input C6:X112

Circuit ID		Style	Location & Name	Length & Destination
Cable ID				
1A-S03		22-2	BR 5: Bathroom Door	19 BR 5
1A-S03				
1B-S02		22-2	BR 4: Bathroom Door	22 BR 4
1B-S02				

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1A-S03	22	Red	Signal	Signal #1
1A-S03	22	Black	Signal Return	Splice #1A
1B-S02	22	Red	Signal	Splice #1A
1B-S02	22	Black	Signal Return	Return

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
1C-S09	22-10	BR 4/5 Bath: Doors (1A-S03/1B-S02)	White/CN-Panel/2

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-S09	22	White	Signal	Signal #1
1C-S09	22	Black	Ground	Return

Input / Channel #2

Master Bath Doors (2)

Pass-Thru, Signal Set

Input C6:X114

Circuit ID		Style	Location & Name	Length & Destination
Cable ID				
2A-S08		22-2	Master BR: Bathroom Door	25 Master BR
2A-S08				
2B-S02		22-2	Master Bath: Wet Bar Door	25 Master Bath
2B-S02				

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2A-S08	22	Red	Signal	Splice #2A
2A-S08	22	Black	Signal Return	Return
2B-S02	22	Red	Signal	Signal #2
2B-S02	22	Black	Signal Return	Splice #2A

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
1C-S09	22-10	Master Bath Doors (2B-S02 / 2A-S08)	White/CN-Panel/2

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-S09	22	Brown	Signal	Signal #2
1C-S09	22	Black	Ground	Return

Input / Channel #3

BR 4/5 Bath: Motion Detector (Signal)

Pass-Thru, Signal Set

Input C6:X113

Circuit ID		Style	Location & Name	Length & Destination
Cable ID				
1A-S08		22-4	BR 4/5 Bath: Motion Detector (Signal)	20 BR 4/5 Bath
1A-S08				

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1A-S08	22	Green	Signal	Signal #3
1A-S08	22	White	Signal Return	Return

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
1C-S09	22-10	BR 4/5 Bath: Motion Status (1A-S08)	White/CN-Panel/2

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-S09	22	Yellow	Signal	Signal #3
1C-S09	22	Black	Ground	Return

Input / Channel #4

Master Bath: Motion Detector (Signal)

Pass-Thru, Signal Set

Input C6:X116

Circuit ID		Style	Location & Name	Length & Destination
Cable ID				
2B-S07		22-4	Master Bath: Motion Detector (Signal)	25 Master Bath
2B-S07				

Cable ID	AWG	Wire Color	Wire Function	Device Connection
2B-S07	22	Green	Signal	Signal #4
2B-S07	22	White	Signal Return	Return

Cable ID	Style	Circuit Branch Name / Function	Cable Origin
1C-S09	22-10	Master Bath: Motion (1A-S07)	White/CN-Panel/2

Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-S09	22	Violet	Signal	Signal #4
1C-S09	22	Black	Ground	Return

Input / Channel #5

Master Closet 1: Door

Pass-Thru, Signal Set

Input C6:X115

Circuit ID		Style	Location & Name	Length & Destination
Cable ID				
2A-S10		22-2	Master Closet 1: Door	26 Master Closet 1
2A-S10				

Cable ID		AWG	Wire Color	Wire Function	Device Connection
2A-S10		22	Red	Signal	Signal #5
2A-S10			Black	Signal Return	Return

Cable ID		Style	Circuit Branch Name / Function	Cable Origin
1C-S09		22-10	Master Closet Door	White/CN-Panel/2
1C-S09				

Cable ID		AWG	Wire Color	Wire Function	Device Connection
1C-S09		22	Green	Signal	Signal #5
1C-S09			Black	Ground	Return

Output / Channel #1

BR 4/5 Bath: Doors (1A-S03/1B-S02)

Pass-Thru, Signal Set

Input Address = C6:X112

Circuit ID		Style	Location & Name	Length & Destination
Cable ID				
1C-S09		22-10	BR 4/5 Bath: Doors (1A-S03/1B-S02)	56 White/CN-Panel/2
1C-S09				

Cable ID		AWG	Wire Color	Wire Function	Device Connection
1C-S09		22	White	Signal	Signal #1
1C-S09			Black	Ground	Return

Cable ID		Style	Circuit Branch Name / Function	Cable Origin
1A-S03		22-2	BR 5: Bathroom Door	BR 5
1B-S02				
1B-S02		22-2	BR 4: Bathroom Door	BR 4
1A-S03				

Cable ID		AWG	Wire Color	Wire Function	Device Connection
1A-S03		22	Red	Signal	Signal #1
1A-S03			Black	Signal Return	Splice #1A
1B-S02		22	Red	Signal	Splice #1A
1B-S02			Black	Signal Return	Return

Output / Channel #2

Master Bath Doors (2B-S02 / 2A-S08)

Pass-Thru, Signal Set

Input Address = C6:X114

Circuit ID		Style	Location & Name	Length & Destination
Cable ID				
1C-S11		22-10	Master Bath Doors (2B-S02 / 2A-S08)	56 White/CN-Panel/2
1C-S09				

Cable ID		AWG	Wire Color	Wire Function	Device Connection
1C-S09		22	Brown	Signal	Signal #2
1C-S09			Black	Ground	Return

Cable ID		Style	Circuit Branch Name / Function	Cable Origin
2A-S08		22-2	Master BR: Bathroom Door	Master BR
2B-S02				
2B-S02		22-2	Master Bath: Wet Bar Door	Master Bath
2A-S08				

Cable ID		AWG	Wire Color	Wire Function	Device Connection
2A-S08		22	Red	Signal	Splice #2A
2A-S08			Black	Signal Return	Return
2B-S02		22	Red	Signal	Signal #2
2B-S02			Black	Signal Return	Splice #2A

Output / Channel #3

BR 4/5 Bath: Motion Status (1A-S08)

Pass-Thru, Signal Set

Input Address = C6:X113

Circuit ID		Style	Location & Name	Length & Destination
Cable ID				
1C-S14		22-10	BR 4/5 Bath: Motion Status (1A-S08)	56 White/CN-Panel/2
1C-S09				

Cable ID		AWG	Wire Color	Wire Function	Device Connection
1C-S09		22	Yellow	Signal	Signal #3
1C-S09			Black	Ground	Return

Cable ID		Style	Circuit Branch Name / Function	Cable Origin
1A-S08		22-4	BR 4/5 Bath: Motion Detector (Signal)	BR 4/5 Bath
1A-S08				

Cable ID		AWG	Wire Color	Wire Function	Device Connection
1A-S08		22	Green	Signal	Signal #3
1A-S08			White	Signal Return	Return

Output / Channel #4

Master Bath: Motion (1A-S07)

Pass-Thru, Signal Set

Input Address = C6:X116

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
1C-S15 1C-S09	22-10	Master Bath: Motion (1A-S07)	56 White/CN-Panel/2	1C-S09 1C-S09	22 22	Violet Black	Signal Ground	Signal #4 Return
Source Cable(s)				Source Wires				Device Connection
Cable ID	Style	Circuit Branch Name / Function	Cable Origin	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2B-S07	22-4	Master Bath: Motion Detector (Signal)	Master Bath	2B-S07 2B-S07	22 22	Green White	Signal Signal Return	Signal #4 Return

Output / Channel #5

Master Closet Door

Pass-Thru, Signal Set

Input Address = C6:X115

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
1C-S13 1C-S09	22-10	Master Closet Door	56 White/CN-Panel/2	1C-S09 1C-S09	22 22	Green Black	Signal Ground	Signal #5 Return
Source Cable(s)				Source Wires				Device Connection
Cable ID	Style	Circuit Branch Name / Function	Cable Origin	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2A-S10	22-2	Master Closet 1: Door	Master Closet 1	2A-S10 2A-S10	22 22	Red Black	Signal Signal Return	Signal #5 Return

Spare Cable Group	"Spare UTP Cables"	Tag Number na
--------------------------	--------------------	------------------

Not Connected / #1

Study: spare UTP@Cable Port 2B-06

Spare Cable Group

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2B-C11 2B-C11	Cat 6	Study: spare UTP@Cable Port 2B-06	27 Study (Cable Port 2B-06)

--

Not Connected / #2

Study Wet Bar: Automation Receiver (Provisions Only)

Spare Cable Group

Circuit ID Cable ID	Style	Location & Name	Length & Destination
2B-A02 2B-A02	Cat 5e	Study Wet Bar: Automation Receiver (Provisions Only)	22 Study Wet Bar



Outlet, Duplex (15A)	"Duplex Outlet, Line Power"	(Part TBD)	Tag Number 0298
-----------------------------	-----------------------------	------------	--------------------

Power In (120 Vac)

"Red" Controller Panels

Outlet, Duplex (15A)

Circuit ID Cable ID		Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-26		14-2	"Red" Controller Panels	14	1C-26	14	Black	Hot	Hot
1C-26				Multiple	1C-26	14	White	Neutral	Neutral