

Cable Wire Device Connections

Orange/CN-Panel/L

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
1G-C16 To/From: "Blue/CN-Panel/D" Cat 5 (M1)			
White/Orange "B"	1G-C16 M1G Data Bus (Orange to Blue)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 8 B
Orange "A"	1G-C16 M1G Data Bus (Orange to Blue)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 8 A
White/Brown "_"	1G-C16 M1G Data Bus (Orange to Blue)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 8 Neg
Brown "+"	1G-C16 M1G Data Bus (Orange to Blue)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 8 +12
2E-A01 To/From: "Elk Keypad 2E" Cat 5 (M1)			
White/Green "B1"	2E-A01 Mud Room: Security Keypad Data (12)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 2 B1
Green "A1"	2E-A01 Mud Room: Security Keypad Data (12)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 2 A1
White/Orange "B"	2E-A01 Mud Room: Security Keypad Data (12)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 2 B
Orange "A"	2E-A01 Mud Room: Security Keypad Data (12)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 2 A
White/Brown "_"	2E-A01 Mud Room: Security Keypad Data (12)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 2 Neg
Brown "+"	2E-A01 Mud Room: Security Keypad Data (12)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 2 +12
2E-A03 To/From: "Receiver@Kitchen" Cat 5 (M1)			
White/Green "B1"	2E-A03 Kitchen: Automation Receiver (10)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 3 B1
Green "A1"	2E-A03 Kitchen: Automation Receiver (10)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 3 A1
White/Orange "B"	2E-A03 Kitchen: Automation Receiver (10)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 3 B
Orange "A"	2E-A03 Kitchen: Automation Receiver (10)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 3 A
White/Brown "_"	2E-A03 Kitchen: Automation Receiver (10)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 3 Neg
Brown "+"	2E-A03 Kitchen: Automation Receiver (10)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 3 +12
2E-S01 To/From: Powder Room 22-2			
Black "Signal Return"	2E-S01 Powder Room: Window	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / NEG

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Red "Signal"	2E-S01 Powder Room: Window	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / Z01
2E-S03 To/From: Laundry Room 22-2			
Black "Signal Return"	2E-S03 Laundry Room: Door	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
Red "Signal"	2E-S03 Laundry Room: Door	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / Z05
2E-S06 To/From: Mud Room 22-2			
Black "Signal Return"	2E-S06 Mud Room: Outside Door	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
Red "Signal"	2E-S06 Mud Room: Outside Door	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / Z14
2E-S07 To/From: Powder Room 22-4			
Black "Signal Return"	2E-S07 Powder Room: Water Sensor Chain	"Water Detector Serving Powder Room & Laundry Room" 1	Detector, Water #1 Sensor Input / 3 (Input A)
Red "Signal"	2E-S07 Powder Room: Water Sensor Chain	"Water Detector Serving Powder Room & Laundry Room" 1	Detector, Water #1 Sensor Input / 4 (Input B)
2E-S08 To/From: "@Laundry Room" 22-4			
Black "Common"	2E-S08 Laundry Room: Combustible Gas Detector (Signal) Future	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
	2E-P08 Laundry Room: Combustible Gas Detector (Power) Future	"General 12 Vdc Power Distribution" 3	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 6 - NEG
	2E-S14 Laundry Room: Combustible Gas Detector (Trouble) Future	"Trouble Indicator" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / Neg
Red "+12 Vdc"	2E-P08 Laundry Room: Combustible Gas Detector (Power) Future	"General 12 Vdc Power Distribution" 3	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 6 - POS
White "Gas Trouble Signal"	2E-S14 Laundry Room: Combustible Gas Detector (Trouble) Future	"Trouble Indicator" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / In 6
Green "Signal"	2E-S08 Laundry Room: Combustible Gas Detector (Signal) Future	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / Z09
2E-S09 To/From: "CO@Laundry Room" 22-4			
Black "Common"	2E-S09 Laundry Room: CO Detector (Signal)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
	2E-P09 Laundry Room: CO Detector (Power)	"General 12 Vdc Power Distribution" 3	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 6 - NEG
	2E-S13 Laundry Room: CO Detector (Trouble)	"Trouble Indicator" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / Neg
Red "+12 Vdc"	2E-P09 Laundry Room: CO Detector (Power)	"General 12 Vdc Power Distribution" 3	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 6 - POS
White "CO Trouble Signal"	2E-S13 Laundry Room: CO Detector (Trouble)	"Trouble Indicator" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / In 2

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Green "CO Signal"	2E-S09 Laundry Room: CO Detector (Signal)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / Z10
2E-S10 To/From: "Smoke@Laundry Room" 22-4			
Black "12 V Return"	2E-P10 Laundry Room: Smoke Detector (Power)	"Smoke Detector 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma #2 Power Output / POWER 2 - NEG
Red "+12 Vdc (Smoke)"	2E-P10 Laundry Room: Smoke Detector (Power)	"Smoke Detector 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma #2 Power Output / POWER 2 - POS
White "Signal Return"	2E-S10 Laundry Room: Smoke Detector (Signal)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
Green "Signal"	2E-S10 Laundry Room: Smoke Detector (Signal)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / Z11
2E-S11 To/From: "Motion@Mud Room" 22-4			
Black "Common"	2E-S11 Mud Room: Motion Detector (Signal)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
	2E-P11 Mud Room: Motion Detector (Power)	"General 12 Vdc Power Distribution" 3	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 6 - NEG
	2E-S15 Mud Room: Motion Detector (Trouble)	"Trouble Indicator" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / Neg
Red "+12 Vdc"	2E-P11 Mud Room: Motion Detector (Power)	"General 12 Vdc Power Distribution" 3	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 6 - POS
White "Signal"	2E-S15 Mud Room: Motion Detector (Trouble)	"Trouble Indicator" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / In 7
Green "Signal"	2E-S11 Mud Room: Motion Detector (Signal)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / Z12
2E-S12 To/From: "Smoke@Mud Room" 22-4			
Black "12 V Return"	2E-P12 Mud Room: Smoke Detector (Power)	"Smoke Detector 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma #2 Power Output / POWER 4 - NEG
Red "+12 Vdc (Smoke)"	2E-P12 Mud Room: Smoke Detector (Power)	"Smoke Detector 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma #2 Power Output / POWER 4 - POS
White "Signal Return"	2E-S12 Mud Room: Smoke Detector (Signal)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
Green "Signal"	2E-S12 Mud Room: Smoke Detector (Signal)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / Z13
2H-50 To/From: Garage 22-2			
Black "Signal Return"	2H-S50 Garage: Service Door	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
Red "Signal"	2H-S50 Garage: Service Door	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / Z06

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2H-53 To/From: Garage 22-2			
Black "Signal Return"	2H-S53 Garage: House Door	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
Red "Signal"	2H-S53 Garage: House Door	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / Z09
2H-56 To/From: "Motion@Garage" 22-4			
Black "12 V Return"	2H-P56 Garage: Motion (Power)	"General 12 Vdc Power Distribution" 2	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 4 - NEG
Red "+12 Vdc"	2H-P56 Garage: Motion (Power)	"General 12 Vdc Power Distribution" 2	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 4 - POS
White "Signal Return"	2H-S56 Garage: Motion (Signal)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
Green "Signal"	2H-S56 Garage: Motion (Signal)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / Z12
2H-57 To/From: "Heat@Garage" 22-8			
Black "12 V Return"	2H-P57 Garage: Heat Detector (Power)	"General 12 Vdc Power Distribution" 2	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 4 - NEG
Red "+12 Vdc"	2H-P57 Garage: Heat Detector (Power)	"General 12 Vdc Power Distribution" 2	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 4 - POS
White "Signal Return"	2H-S57 Garage: Heat Detector (Signal)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
Green "Signal"	2H-S57 Garage: Heat Detector (Signal)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / Z13
2H-A01 To/From: "White/CN-Panel/2" 14-4			
Black "12 Vdc Return"	2H-A01 Orange: Panel LV Power Supply	"12 Vdc Power Supply Connection Point" 2	Power Connection Point Power In / Return
Red "+12 Vdc"	2H-A01 Orange: Panel LV Power Supply	"12 Vdc Power Supply Connection Point" 1	Power Connection Point Power In / Supply
Green "Common"	2H-A30 Orange: Single-point Common	"12 Vdc Power Supply Connection Point" 2	Power Connection Point Power In / Return
2H-A02 To/From: "White/CN-Panel/2" 22-4 (S)			
Black "Sense -"	2H-A02 Orange: Panel LV Power Sense	"12 Vdc Power Supply Connection Point" 1	Power Connection Point Power Output / Return 1
Red "Sense +"	2H-A02 Orange: Panel LV Power Sense	"12 Vdc Power Supply Connection Point" 1	Power Connection Point Power Output / Load 1
2H-A08 To/From: "White/CN-Panel/2" 22-4			
Black "Terminal A"	2H-A08 Garage: Floor Heat Setback - Upper Bath	"EM Signal Pass-thru Set 2 (Floor Heat)" 1	Pass-Thru, Signal Set #3 Input / Return

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Red "Terminal B"	2H-A08 Garage: Floor Heat Setback - Upper Bath	"EM Signal Pass-thru Set 2 (Floor Heat)" 1	Pass-Thru, Signal Set #3 Input / Signal
White "Terminal B"	2H-A09 Garage: Bathroom Window Close Call	"EM Signal Pass-thru Set 3 (Bathroom Window Close)" 1	Pass-Thru, Signal Set #4 Input / Signal
Green "Terminal A"	2H-A09 Garage: Bathroom Window Close Call	"EM Signal Pass-thru Set 3 (Bathroom Window Close)" 1	Pass-Thru, Signal Set #4 Input / Return
2H-A18 To/From: "White/CN-Panel/1" 22-2			
Black "Return"	2H-A18 Orange: Smoke Power Pilot	"Smoke Detector Power Relay" 1	Relay, SPDT 12 Vdc Compact Control In / Coil (-)
Red "Smoke Signal"	2H-A18 Orange: Smoke Power Pilot	"Smoke Detector Power Relay" 1	Relay, SPDT 12 Vdc Compact Control In / Coil (+)
2H-A19 To/From: No External Connections 18-2			
Black "Return"	2H-A19 Switched Smoke Power	"Smoke Detector 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma #2 Power In (12 Vdc) / NEG
	2H-A19 Switched Smoke Power	"Smoke Detector Power Relay" 1	Relay, SPDT 12 Vdc Compact Relay NO / Return
Red "Switched +12 Vdc"	2H-A19 Switched Smoke Power	"Smoke Detector 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma #2 Power In (12 Vdc) / POS
	2H-A19 Switched Smoke Power	"Smoke Detector Power Relay" 1	Relay, SPDT 12 Vdc Compact Relay NO / NO
2H-A20 To/From: No External Connections 18-2			
Black "12 Vdc Return"	2H-A20 +12 Vdc Power Bus	"12 Vdc Power Supply Connection Point" 1	Power Connection Point Power Output / Return 2
	2H-A20 +12 Vdc Power Bus	"General 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma #1 Power In (12 Vdc) / NEG
	2H-A20 +12 Vdc Power Bus	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Power In (12 Vdc) / Neg
	2H-A20 +12 Vdc Power Bus	"Smoke Detector Power Relay" 1	Relay, SPDT 12 Vdc Compact Relay Com (In) / Return
	2H-A20 +12 Vdc Power Bus	"Trouble Indicator" 1	9-Zone Combiner / Indicator #1 Power In (12 Vdc) / Neg
	2H-A20 +12 Vdc Power Bus	"Window Status 1" 1	9-Zone Combiner / Indicator #2 Power In (12 Vdc) / Neg
	2H-A20 +12 Vdc Power Bus	"Window Status 2" 1	9-Zone Combiner / Indicator #3 Power In (12 Vdc) / Neg

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Red "+12 Vdc"	2H-A20 +12 Vdc Power Bus	"12 Vdc Power Supply Connection Point" 1	Power Connection Point Power Output / Load 2
	2H-A20 +12 Vdc Power Bus	"General 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma #1 Power In (12 Vdc) / POS
	2H-A20 +12 Vdc Power Bus	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Power In (12 Vdc) / +12
	2H-A20 +12 Vdc Power Bus	"Smoke Detector Power Relay" 1	Relay, SPDT 12 Vdc Compact Relay Com (In) / COM
	2H-A20 +12 Vdc Power Bus	"Trouble Indicator" 1	9-Zone Combiner / Indicator #1 Power In (12 Vdc) / +12 V
	2H-A20 +12 Vdc Power Bus	"Window Status 1" 1	9-Zone Combiner / Indicator #2 Power In (12 Vdc) / +12 V
	2H-A20 +12 Vdc Power Bus	"Window Status 2" 1	9-Zone Combiner / Indicator #3 Power In (12 Vdc) / +12 V
2H-A21		To/From: No External Connections	22-2
Black "Return"	2H-A21 Lakeside Window Group	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (1-3) Output / Neg
	2H-A21 Lakeside Window Group	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
Red "Signal"	2H-A21 Lakeside Window Group	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (1-3) Output / Out 1-3
	2H-A21 Lakeside Window Group	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / Z01
2H-A22		To/From: No External Connections	22-2
Black "Return"	2H-A22 Woodside Window Group	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (4-6) Output / Neg
	2H-A22 Woodside Window Group	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
Red "Signal"	2H-A22 Woodside Window Group	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (4-6) Output / Out 4-6
	2H-A22 Woodside Window Group	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / Z02
2H-A25		To/From: Garage & Another	22-4
Black "Return"	2H-A28 Garage On-Generator Indicator (ext of 2H-A67)	"Garage Emer Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #7 Output / Return
	2H-A25 Garage Lighting Xfer Switch - On (ext of 2H-A66)	"Garage Emer Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #7 Output / Return
	2H-A27 Garage Lighting Xfer Switch - Norm (ext of 2H-A10)	"Garage Emer Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #7 Output / Return
Red "On Gen Signal"	2H-A28 Garage On-Generator Indicator (ext of 2H-A67)	"Garage Emer Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #7 Output / Signal #3
White "On" Call Signal"	2H-A25 Garage Lighting Xfer Switch - On (ext of 2H-A66)	"Garage Emer Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #7 Output / Signal #1
Green "Norm" Call Signal"	2H-A27 Garage Lighting Xfer Switch - Norm (ext of 2H-A10)	"Garage Emer Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #7 Output / Signal #2

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2H-A26 To/From: "White/CN-Panel/2" 22-2			
Black "Signal Retrun"	2H-A26 Upper Bath: Window Open Status	"EM - Upper Bath Open Status" 1	Pass-Thru, Signal Set #9 Output / Return
Red "Signal"	2H-A26 Upper Bath: Window Open Status	"EM - Upper Bath Open Status" 1	Pass-Thru, Signal Set #9 Output / Signal #1
2H-A29 To/From: No External Connections Cat 5 (M1)			
White/Green "B1"	2H-A29 Garage: Security Keypad Data (01)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 7 B1
	2H-A29 Garage: Security Keypad Data (01)	"Security Keypad (01)" 1	M1 Keypad (Flush) Data Bus / White (B Out)
Green "A1"	2H-A29 Garage: Security Keypad Data (01)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 7 A1
	2H-A29 Garage: Security Keypad Data (01)	"Security Keypad (01)" 1	M1 Keypad (Flush) Data Bus / Green (A Out)
White/Orange "B"	2H-A29 Garage: Security Keypad Data (01)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 7 B
	2H-A29 Garage: Security Keypad Data (01)	"Security Keypad (01)" 1	M1 Keypad (Flush) Data Bus / White (B In)
Orange "A"	2H-A29 Garage: Security Keypad Data (01)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 7 A
	2H-A29 Garage: Security Keypad Data (01)	"Security Keypad (01)" 1	M1 Keypad (Flush) Data Bus / Green (A In)
White/Brown "_"	2H-A29 Garage: Security Keypad Data (01)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 7 Neg
	2H-A29 Garage: Security Keypad Data (01)	"Security Keypad (01)" 1	M1 Keypad (Flush) Data Bus / Black (-)
Brown "+"	2H-A29 Garage: Security Keypad Data (01)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 7 +12
	2H-A29 Garage: Security Keypad Data (01)	"Security Keypad (01)" 1	M1 Keypad (Flush) Data Bus / Red (+12v)
2H-A31 To/From: No External Connections 22-2			
Black "Return"	2H-A31 Garage: Sensor Trouble	"Trouble Indicator" 1	9-Zone Combiner / Indicator #1 OR (1-9) Output / Neg
	2H-A31 Garage: Sensor Trouble	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
Red "Signal"	2H-A31 Garage: Sensor Trouble	"Trouble Indicator" 1	9-Zone Combiner / Indicator #1 OR (1-9) Output / Out 1-9
	2H-A31 Garage: Sensor Trouble	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / Z16
2H-A34 To/From: No External Connections 22-2			
Black "Return"	2H-A34 Woodside Alcove: Windows (All)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
	2H-A34 Woodside Alcove: Windows (All)	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (7-9) Output / Neg

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Red "Signal"	2H-A34 Woodside Alcove: Windows (All)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / Z03
	2H-A34 Woodside Alcove: Windows (All)	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (7-9) Output / Out 7-9
2H-A40 To/From: No External Connections 22-2			
Black "Return"	2H-A40 Garage: Windows (All)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
	2H-A40 Garage: Windows (All)	"Window Status 2" 1	9-Zone Combiner / Indicator #3 OR (1-3) Output / Neg
Red "Signal"	2H-A40 Garage: Windows (All)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / Z07
	2H-A40 Garage: Windows (All)	"Window Status 2" 1	9-Zone Combiner / Indicator #3 OR (1-3) Output / Out 1-3
2H-A41 To/From: "White/CN-Panel/2" 18-2			
Black "12V DC Return"	2H-A41 Garage: Vehicle Detector - Power	---- 1	Detector, Vehicle (Driveway) Power In (12 Vdc) / (-) BLACK
Red "+12V DC"	2H-A41 Garage: Vehicle Detector - Power	---- 1	Detector, Vehicle (Driveway) Power In (12 Vdc) / (+) RED
2H-A42 To/From: "White/CN-Panel/5" Single Wire			
Bare "Ground"	2H-A42 Garage: Vehicle Detector - Ground	---- 1	Detector, Vehicle (Driveway) Sensor Input / G
2H-A66 To/From: "White/CN-Panel/2" 22-6			
Black "Return"	2H-A66 Garage Lighting Xfer Switch "On" Call	"Garage Emer Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #7 Input / Signal #1
	2H-A10 Garage Lighting Xfer Switch "Norm" Call	"Garage Emer Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #7 Input / Return
	2H-A67 Garage On-Generator Indicator	"Garage Emer Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #7 Input / Return
Red "On Generator" Signal"	2H-A67 Garage On-Generator Indicator	"Garage Emer Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #7 Input / Signal #3
White "On" Call"	2H-A66 Garage Lighting Xfer Switch "On" Call	"Garage Emer Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #7 Input / Return
Green "Norm Call"	2H-A10 Garage Lighting Xfer Switch "Norm" Call	"Garage Emer Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #7 Input / Signal #2
2H-A68 To/From: Garage 18-4			
Black "Return"	2H-A68 Garage: Gas Heater Interrupt	"Output Expander 2-1 (04)" 1	M1 Output Expander 8 Voltage / 8 Relay Contact Pair / Out 1 COM
Red "Signal"	2H-A68 Garage: Gas Heater Interrupt	"Output Expander 2-1 (04)" 1	M1 Output Expander 8 Voltage / 8 Relay Contact Pair / Out 1 NC
2H-A70/71 To/From: Garage 22-4			
Black "Terminal 1A"	2H-A70 Garage: Overhead Door Activate (East)	"Output Expander 2-1 (04)" 1	M1 Output Expander 8 Voltage / 8 Relay Contact Pair / Out 2 COM

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Red "Terminal 1B"	2H-A71 Garage: Overhead Door Activate (West)	"Output Expander 2-1 (04)" 1	M1 Output Expander 8 Voltage / 8 Relay Contact Pair / Out 3 NO
White "Terminal 2A"	2H-A71 Garage: Overhead Door Activate (West)	"Output Expander 2-1 (04)" 1	M1 Output Expander 8 Voltage / 8 Relay Contact Pair / Out 3 COM
Green "Terminal 2B"	2H-A70 Garage: Overhead Door Activate (East)	"Output Expander 2-1 (04)" 1	M1 Output Expander 8 Voltage / 8 Relay Contact Pair / Out 2 NO
2H-C05 To/From: "White/CN-Panel/1" Cat 5 (M1)			
White/Orange "B"	2H-C05 M1G Data Bus (White to Orange)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus In / B
Orange "A"	2H-C05 M1G Data Bus (White to Orange)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus In / A
White/Brown "_"	2H-C05 M1G Data Bus (White to Orange)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus In / Neg
2H-C08 To/From: No External Connections Cat 5 (M1)			
White/Green "B1"	2H-C08 M1G Data Bus - Input Expander 2-1 (09)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Data Bus / B1
	2H-C08 M1G Data Bus - Input Expander 2-1 (09)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 4 B1
Green "A1"	2H-C08 M1G Data Bus - Input Expander 2-1 (09)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Data Bus / A1
	2H-C08 M1G Data Bus - Input Expander 2-1 (09)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 4 A1
White/Orange "B"	2H-C08 M1G Data Bus - Input Expander 2-1 (09)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Data Bus / B
	2H-C08 M1G Data Bus - Input Expander 2-1 (09)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 4 B
Orange "A"	2H-C08 M1G Data Bus - Input Expander 2-1 (09)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Data Bus / A
	2H-C08 M1G Data Bus - Input Expander 2-1 (09)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 4 A
White/Brown "_"	2H-C08 M1G Data Bus - Input Expander 2-1 (09)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Data Bus / Neg
	2H-C08 M1G Data Bus - Input Expander 2-1 (09)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 4 Neg
Brown "+"	2H-C08 M1G Data Bus - Input Expander 2-1 (09)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Data Bus / +12
	2H-C08 M1G Data Bus - Input Expander 2-1 (09)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 4 +12
2H-C09 To/From: No External Connections Cat 5 (M1)			
White/Green "B1"	2H-C09 M1G Data Bus - Input Expander 2-2 (08)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Data Bus / B1
	2H-C09 M1G Data Bus - Input Expander 2-2 (08)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 5 B1

Cable Wire Device Connections

Orange/CN-Panel/L

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
Green "A1"	2H-C09 M1G Data Bus - Input Expander 2-2 (08)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Data Bus / A1
	2H-C09 M1G Data Bus - Input Expander 2-2 (08)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 5 A1
White/Orange "B"	2H-C09 M1G Data Bus - Input Expander 2-2 (08)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Data Bus / B
	2H-C09 M1G Data Bus - Input Expander 2-2 (08)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 5 B
Orange "A"	2H-C09 M1G Data Bus - Input Expander 2-2 (08)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Data Bus / A
	2H-C09 M1G Data Bus - Input Expander 2-2 (08)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 5 A
White/Brown "_"	2H-C09 M1G Data Bus - Input Expander 2-2 (08)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Data Bus / Neg
	2H-C09 M1G Data Bus - Input Expander 2-2 (08)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 5 Neg
Brown "+"	2H-C09 M1G Data Bus - Input Expander 2-2 (08)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Data Bus / +12
	2H-C09 M1G Data Bus - Input Expander 2-2 (08)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 5 +12
2H-C10		To/From: No External Connections	Cat 5 (M1)
White/Green "B1"	2H-C10 M1G Data Bus - Output Expander 2-1 (04)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 6 B1
	2H-C10 M1G Data Bus - Output Expander 2-1 (04)	"Output Expander 2-1 (04)" 1	M1 Output Expander 8 Voltage / 8 Relay Data Bus / B1
Green "A1"	2H-C10 M1G Data Bus - Output Expander 2-1 (04)	"Output Expander 2-1 (04)" 1	M1 Output Expander 8 Voltage / 8 Relay Data Bus / A1
	2H-C10 M1G Data Bus - Output Expander 2-1 (04)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 6 A1
White/Orange "B"	2H-C10 M1G Data Bus - Output Expander 2-1 (04)	"Output Expander 2-1 (04)" 1	M1 Output Expander 8 Voltage / 8 Relay Data Bus / B
	2H-C10 M1G Data Bus - Output Expander 2-1 (04)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 6 B
Orange "A"	2H-C10 M1G Data Bus - Output Expander 2-1 (04)	"Output Expander 2-1 (04)" 1	M1 Output Expander 8 Voltage / 8 Relay Data Bus / A
	2H-C10 M1G Data Bus - Output Expander 2-1 (04)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 6 A
White/Brown "Ground"	2H-C10 M1G Data Bus - Output Expander 2-1 (04)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 6 Neg
	2H-C10 M1G Data Bus - Output Expander 2-1 (04)	"Output Expander 2-1 (04)" 1	M1 Output Expander 8 Voltage / 8 Relay Data Bus / NEG
Brown "+12 Vdc"	2H-C10 M1G Data Bus - Output Expander 2-1 (04)	"Output Expander 2-1 (04)" 1	M1 Output Expander 8 Voltage / 8 Relay Data Bus / +12
	2H-C10 M1G Data Bus - Output Expander 2-1 (04)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 6 +12

Cable Wire Device Connections

Orange/CN-Panel/L

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
2H-P01 To/From: No External Connections 22-2			
Black "12 Vdc Return"	2H-P01 Water Detector Power	"General 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 7 - NEG
	2H-P01 Water Detector Power	"Water Detector Serving Powder Room & Laundry Room" 1	Detector, Water #1 Power In (12 Vdc) / 2 (Gnd)
	2H-P01 Water Detector Power	"Water Detector Serving Upper Level" 1	Detector, Water #2 Power In (12 Vdc) / 2 (Gnd)
2H-P01 To/From: No External Connections 22-2			
Red "+12 Vdc"	2H-P01 Water Detector Power	"General 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 7 - POS
	2H-P01 Water Detector Power	"Water Detector Serving Powder Room & Laundry Room" 1	Detector, Water #1 Power In (12 Vdc) / 1 (V+)
	2H-P01 Water Detector Power	"Water Detector Serving Upper Level" 1	Detector, Water #2 Power In (12 Vdc) / 1 (V+)
2H-S01 To/From: No External Connections 22-2			
Black "Signal Return"	2H-S01 Water Detector (Powder Rm & Laundry) (Signal)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
	2H-S01 Water Detector (Powder Rm & Laundry) (Signal)	"Water Detector Serving Powder Room & Laundry Room" 1	Detector, Water #1 Contact Pair, NC / 5 (Relay Com)
Red "Signal"	2H-S01 Water Detector (Powder Rm & Laundry) (Signal)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / Z15
	2H-S01 Water Detector (Powder Rm & Laundry) (Signal)	"Water Detector Serving Powder Room & Laundry Room" 1	Detector, Water #1 Contact Pair, NC / 7 (Relay NC)
2H-S02 To/From: No External Connections 22-2			
Black "Signal Return"	2H-S02 Water Detector (Upper Level) (Signal)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
	2H-S02 Water Detector (Upper Level) (Signal)	"Water Detector Serving Upper Level" 1	Detector, Water #2 Contact Pair, NC / 5 (Relay Com)
Red "Signal"	2H-S02 Water Detector (Upper Level) (Signal)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / Z16
	2H-S02 Water Detector (Upper Level) (Signal)	"Water Detector Serving Upper Level" 1	Detector, Water #2 Contact Pair, NC / 7 (Relay NC)
2H-S03 To/From: "White/CN-Panel/2" 22-4			
Black "Return"	2H-S03 Upper Bath: Door (3A-S69)	"EM Pass-Thru Set 1 (Sensors)" 1	Pass-Thru, Signal Set #2 Output / Return
White "Signal"	2H-S03 Upper Bath: Door (3A-S69)	"EM Pass-Thru Set 1 (Sensors)" 1	Pass-Thru, Signal Set #2 Output / Signal
2H-S10 To/From: "White/GP-Panel/2" 22-2 (S)			
Black "Terminal B"	2H-S10 Garage: Vehicle Sensor Probe	---- 1	Detector, Vehicle (Driveway) Sensor Input / S (2)
Red "Terminal A"	2H-S10 Garage: Vehicle Sensor Probe	---- 1	Detector, Vehicle (Driveway) Sensor Input / S (1)
Drain "Shield Drain"	2H-S10 Garage: Vehicle Sensor Probe	---- 1	Detector, Vehicle (Driveway) Sensor Input / G

Cable Wire Device Connections

Orange/CN-Panel/L

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
2H-S41 To/From: No External Connections 22-2			
Black "Signal Retrun"	2H-S41 Garage: Vehicle Detector (Signal)	"Security Keypad (01)" 1	M1 Keypad (Flush) Input / Black (-)
	2H-S41 Garage: Vehicle Detector (Signal)	---- 1	Detector, Vehicle (Driveway) Contact Pair, NO / WHITE/ORANGE
Red "Signal"	2H-S41 Garage: Vehicle Detector (Signal)	"Security Keypad (01)" 1	M1 Keypad (Flush) Input / Blue (Input)
	2H-S41 Garage: Vehicle Detector (Signal)	---- 1	Detector, Vehicle (Driveway) Contact Pair, NO / BROWN
2H-S51/52 To/From: Garage 22-4			
Black "R Return"	2H-S52 Garage: Window (R)	"Window Status 2" 1	9-Zone Combiner / Indicator #3 OR (1-3) Input / Neg
Red "R Signal"	2H-S52 Garage: Window (R)	"Window Status 2" 1	9-Zone Combiner / Indicator #3 OR (1-3) Input / In 2
White "R Signal"	2H-S51 Garage: Window (L)	"Window Status 2" 1	9-Zone Combiner / Indicator #3 OR (1-3) Input / In 1
Green "L Return"	2H-S51 Garage: Window (L)	"Window Status 2" 1	9-Zone Combiner / Indicator #3 OR (1-3) Input / Neg
2H-S54 To/From: Garage 22-4			
Black "Signal Return"	2H-S54 Garage: Overhead Door (East)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
Red "Signal"	2H-S54 Garage: Overhead Door (East)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / Z10
2H-S55 To/From: Garage 22-2			
Black "Signal Retrun"	2H-S55 Garage: Overhead Door (West)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
Red "Signal"	2H-S55 Garage: Overhead Door (West)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / Z11
2H-S58 To/From: "Refrig@Garage" & Another 22-8			
Black "12 V Return"	2H-P58 Garage: Refrig & Gas Detector (Power)	"General 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 5 - NEG
Red "+12 Vdc"	2H-P58 Garage: Refrig & Gas Detector (Power)	"General 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 5 - POS
White "Signal Return"	2H-S58 Garage: Refrigeration Alarm (Signal)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
	2H-S59 Garage: Combustible Gas Detector (Signal)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
	2H-S05 Garage: Combustible Gas Detector (Trouble)	"Trouble Indicator" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / Neg
	2H-S06 Garage: Garage Over-Temp Alarm	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / NEG

Cable Wire Device Connections

Orange/CN-Panel/L

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
Green "Gas Signal"	2H-S59 Garage: Combustible Gas Detector (Signal)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / Z08
Brown "Garage Alarm Signal"	2H-S06 Garage: Garage Over-Temp Alarm	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / Z04
Blue "Gas Trouble Signal"	2H-S05 Garage: Combustible Gas Detector (Trouble)	"Trouble Indicator" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / In 5
Orange "Freezer Signal"	2H-S58 Garage: Refrigeration Alarm (Signal)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / Z14
2K-S10 To/From: "Smoke@Upper Stairway ↑" 22-8			
Black "12 V Return"	2K-P10 Upper Stairway ↑: Smoke Detector (Power)	"Smoke Detector 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma #2 Power Output / POWER 3 - NEG
Red "+12 Vdc"	2K-P10 Upper Stairway ↑: Smoke Detector (Power)	"Smoke Detector 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma #2 Power Output / POWER 3 - POS
White "Signal Return"	2K-S10 Upper Stairway ↑: Smoke Detector (Signal)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
Green "Signal"	2K-S10 Upper Stairway ↑: Smoke Detector (Signal)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / Z15
3A-A12 To/From: Upper Bath 22-4			
Black "Return"	3A-A12 Upper Bath Lighting Xfer Switch (Ext of 3A-A90)	"Upper Bath Emerg Control Pass-thru" 1	Pass-Thru, Signal Set #5 Output / Return
	3A-A15 Upper Bath Lighting Xfer Switch - Norm (Ext of 3A-A06)	"Upper Bath Emerg Control Pass-thru" 1	Pass-Thru, Signal Set #5 Output / Return
	3A-A16 Upper Bath On-Generator Indicator (Ext of 3A-A91)	"Upper Bath Emerg Control Pass-thru" 1	Pass-Thru, Signal Set #5 Output / Return
Red "On Generator Signal"	3A-A16 Upper Bath On-Generator Indicator (Ext of 3A-A91)	"Upper Bath Emerg Control Pass-thru" 1	Pass-Thru, Signal Set #5 Output / Signal #3
White "On" Call"	3A-A12 Upper Bath Lighting Xfer Switch (Ext of 3A-A90)	"Upper Bath Emerg Control Pass-thru" 1	Pass-Thru, Signal Set #5 Output / Signal #1
Green "Norm" Call"	3A-A15 Upper Bath Lighting Xfer Switch - Norm (Ext of 3A-A06)	"Upper Bath Emerg Control Pass-thru" 1	Pass-Thru, Signal Set #5 Output / Signal #2
3A-A14 To/From: Lakeside Rm 22-8			
Black "Return"	3A-A14 Lakeside Lighting Xfer Switch - On (ext of 3A-A87)	"Lakeside Rm Emerg Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #6 Output / Return
	3A-A17 Lakeside Xfer Switch - "Norm" (ext of 3A-A05)	"Lakeside Rm Emerg Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #6 Output / Return
	3A-A18 Lakeside Rm On-Generator Indicator (ext of 3A-A89)	"Lakeside Rm Emerg Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #6 Output / Return
	3A-A19 Upper Bar Lighting Xfer Switch - On (ext of 3A-A88)	"Lakeside Rm Emerg Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #6 Output / Return
	3A-A20 Upper Bar Lighting Xfer Switch - Norm (ext of 3A-A04)	"Lakeside Rm Emerg Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #6 Output / Return

Cable Wire Device Connections

Orange/CN-Panel/L

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
Red "On Generator Signal"	3A-A18 Lakeside Rm On-Generator Indicator (ext of 3A-A89)	"Lakeside Rm Ermerg Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #6 Output / Signal #3
White "On" Call Signal"	3A-A19 Upper Bar Lighting Xfer Switch - On (ext of 3A-A88)	"Lakeside Rm Ermerg Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #6 Output / Signal #4
Green "Norm" Call Signal"	3A-A20 Upper Bar Lighting Xfer Switch - Norm (ext of 3A-A04)	"Lakeside Rm Ermerg Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #6 Output / Signal #5
Brown "On" Call Signal"	3A-A14 Lakeside Lighting Xfer Switch - On (ext of 3A-A87)	"Lakeside Rm Ermerg Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #6 Output / Signal #1
Blue "Norm" Call Signal"	3A-A17 Lakeside Xfer Switch - "Norm" (ext of 3A-A05)	"Lakeside Rm Ermerg Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #6 Output / Signal #2
3A-A82	To/From: Upper Bath		18-4
Black "Terminal 1A"	3A-A82 Upper Bath: Window Close Call	"EM Signal Pass-thru Set 3 (Bathroom Window Close)" 1	Pass-Thru, Signal Set #4 Output / Return
Red "Terminal 1B"	3A-A82 Upper Bath: Window Close Call	"EM Signal Pass-thru Set 3 (Bathroom Window Close)" 1	Pass-Thru, Signal Set #4 Output / Signal
White "Signal"	3A-A21 Upper Bath: Window Open Status	"EM - Upper Bath Open Status" 1	Pass-Thru, Signal Set #9 Input / Signal #1
Green "Return"	3A-A21 Upper Bath: Window Open Status	"EM - Upper Bath Open Status" 1	Pass-Thru, Signal Set #9 Input / Return
3A-A83	To/From: Upper Bath		22-2
Black "Terminal A"	3A-A83 Upper Bath: Floor Heat Setback	"EM Signal Pass-thru Set 2 (Floor Heat)" 1	Pass-Thru, Signal Set #3 Output / Return
Red "Terminal B"	3A-A83 Upper Bath: Floor Heat Setback	"EM Signal Pass-thru Set 2 (Floor Heat)" 1	Pass-Thru, Signal Set #3 Output / Signal
3A-A87	To/From: "White/CN-Panel/2"		22-12
Black "Ground"	3A-A87 Lakeside Room Lighting Xfer Switch "On" Call	"Lakeside Rm Ermerg Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #6 Input / Return
	3A-A05 Lakeside Xfer Switch - "Norm"	"Lakeside Rm Ermerg Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #6 Input / Return
	3A-A89 On-Generator Indicator	"Lakeside Rm Ermerg Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #6 Input / Return
	3A-A88 Upper Bar Lighting Xfer Switch "On"	"Lakeside Rm Ermerg Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #6 Input / Return
	3A-A04 Upper Bar Lighting Xfer Switch "Norm" Call	"Lakeside Rm Ermerg Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #6 Input / Signal #5
Red "On Generator" Signal"	3A-A89 On-Generator Indicator	"Lakeside Rm Ermerg Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #6 Input / Signal #3
White "On" Call"	3A-A88 Upper Bar Lighting Xfer Switch "On"	"Lakeside Rm Ermerg Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #6 Input / Signal #4
Green "Norm Call"	3A-A04 Upper Bar Lighting Xfer Switch "Norm" Call	"Lakeside Rm Ermerg Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #6 Input / Return

Cable Wire Device Connections

Orange/CN-Panel/L

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
Brown "On" Call	3A-A87 Lakeside Room Lighting Xfer Switch "On" Call	"Lakeside Rm Emerg Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #6 Input / Signal #1
Blue "Norm Call"	3A-A05 Lakeside Xfer Switch - "Norm"	"Lakeside Rm Emerg Lighting Pass-Thru Set" 1	Pass-Thru, Signal Set #6 Input / Signal #2
3A-A90 To/From: "White/CN-Panel/2" 22-6			
Black "Ground"	3A-A90 Upper Bath Lighting Xfer Switch "On" Call	"Upper Bath Emerg Control Pass-thru" 1	Pass-Thru, Signal Set #5 Input / Return
	3A-A06 Upper Bath Lighting Xfer Switch "Norm" Call	"Upper Bath Emerg Control Pass-thru" 1	Pass-Thru, Signal Set #5 Input / Return
	3A-A91 On-Generator Indicator	"Upper Bath Emerg Control Pass-thru" 1	Pass-Thru, Signal Set #5 Input / Return
Red "On Generator" Signal	3A-A91 On-Generator Indicator	"Upper Bath Emerg Control Pass-thru" 1	Pass-Thru, Signal Set #5 Input / Signal #3
White "On" Call	3A-A90 Upper Bath Lighting Xfer Switch "On" Call	"Upper Bath Emerg Control Pass-thru" 1	Pass-Thru, Signal Set #5 Input / Signal #1
Green "Norm Call"	3A-A06 Upper Bath Lighting Xfer Switch "Norm" Call	"Upper Bath Emerg Control Pass-thru" 1	Pass-Thru, Signal Set #5 Input / Signal #2
3A-A92 To/From: "Elk Keypad 3A" Cat 5 (M1)			
White/Green "B1"	3A-A92 Lakeside Rm: Security Keypad Data (05)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 1 B1
Green "A1"	3A-A92 Lakeside Rm: Security Keypad Data (05)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 1 A1
White/Orange "B"	3A-A92 Lakeside Rm: Security Keypad Data (05)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 1 B
Orange "A"	3A-A92 Lakeside Rm: Security Keypad Data (05)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 1 A
White/Brown "Ground"	3A-A92 Lakeside Rm: Security Keypad Data (05)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 1 Neg
Brown "+12 Vdc"	3A-A92 Lakeside Rm: Security Keypad Data (05)	"M1 Data Bus Hub 2" 1	M1 Data Bus Hub Data Bus / Port 1 +12
3A-A93 To/From: "Elk Keypad 3A" 18-2			
Black "Signal Retrun"	3A-A93 Lakeside Rm: Security Keypad Contact (05)	"Door Contact Pass-Thru For Lakeside Security Keypad" 1	Pass-Thru, Signal Set #1 Output / Return
Red "Signal"	3A-A93 Lakeside Rm: Security Keypad Contact (05)	"Door Contact Pass-Thru For Lakeside Security Keypad" 1	Pass-Thru, Signal Set #1 Output / Signal
3A-S07 To/From: Lakeside Rm 22-2			
Black "Return"	3A-S07 Lakeside Rm: Stairway Door Closed (Ext of 3A-S60)	"Lakeside Rm Door Signal Pass-Thru" 1	Pass-Thru, Signal Set #8 Output / Return
Red "Signal"	3A-S07 Lakeside Rm: Stairway Door Closed (Ext of 3A-S60)	"Lakeside Rm Door Signal Pass-Thru" 1	Pass-Thru, Signal Set #8 Output / Signal #1

Cable Wire Device Connections

Orange/CN-Panel/L

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
3A-S60		To/From: "Silver/CN-Panel"	22-2
Black "Ground"	3A-S60 Lakeside Rm Stairway Door Closed	"Lakeside Rm Door Signal Pass-Thru" 1	Pass-Thru, Signal Set #8 Input / Return
Red "Signal"	3A-S60 Lakeside Rm Stairway Door Closed	"Lakeside Rm Door Signal Pass-Thru" 1	Pass-Thru, Signal Set #8 Input / Signal #1
3A-S61		To/From: Lakeside Rm	22-4
Black "Lower Return"	3A-S61 Lakeside Rm: Window (L)	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (1-3) Input / Neg
White "Upper Signal"	3A-S61 Lakeside Rm: Window (L)	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (1-3) Input / In 1
3A-S62		To/From: Lakeside Rm	22-4
Black "Lower Return"	3A-S62 Lakeside Rm: Window (C)	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (1-3) Input / Neg
White "Upper Signal"	3A-S62 Lakeside Rm: Window (C)	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (1-3) Input / In 2
3A-S63		To/From: Lakeside Rm	22-4
Black "Lower Return"	3A-S63 Lakeside Rm: Window (R)	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (1-3) Input / Neg
White "Upper Signal"	3A-S63 Lakeside Rm: Window (R)	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (1-3) Input / In 3
3A-S64		To/From: Woodside Rm	22-4
Black "Return"	3A-S64 Woodside Rm: Window (L)	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (4-6) Input / Neg
White "Upper Signal"	3A-S64 Woodside Rm: Window (L)	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (4-6) Input / In 4
3A-S65		To/From: Woodside Rm	22-4
Black "Lower Return"	3A-S65 Woodside Rm: Window (C)	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (4-6) Input / Neg
White "Upper Signal"	3A-S65 Woodside Rm: Window (C)	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (4-6) Input / In 5
3A-S66		To/From: Woodside Rm	22-4
Black "Lower Return"	3A-S66 Woodside Rm: Window (R)	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (4-6) Input / Neg
White "Upper Signal"	3A-S66 Woodside Rm: Window (R)	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (4-6) Input / In 6
3A-S67/68		To/From: Woodside Alcove	22-4
Black "R Return"	3A-S68 Woodside Alcove: Window (R)	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (7-9) Input / Neg

Cable Wire Device Connections

Orange/CN-Panel/L

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
Red "R Signal"	3A-S68 Woodside Alcove: Window (R)	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (7-9) Input / In 8
White "R Signal"	3A-S67 Woodside Alcove: Window (L)	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (7-9) Input / In 7
Green "L Return"	3A-S67 Woodside Alcove: Window (L)	"Window Status 1" 1	9-Zone Combiner / Indicator #2 OR (7-9) Input / Neg
3A-S69 To/From: Upper Bath 22-2			
Black "Signal Return"	3A-S69 Upper Bath: Door	"EM Pass-Thru Set 1 (Sensors)" 1	Pass-Thru, Signal Set #2 Input / Return
Red "Signal"	3A-S69 Upper Bath: Door	"EM Pass-Thru Set 1 (Sensors)" 1	Pass-Thru, Signal Set #2 Input / Signal
3A-S70 To/From: Upper Storage Rm 22-2			
Black "Signal Return"	3A-S70 Upper Storage Rm: Door	"Door Contact Pass-Thru For Lakeside Security Keypad" 2	Pass-Thru, Signal Set #1 Input / Return
Red "Signal"	3A-S70 Upper Storage Rm: Door	"Door Contact Pass-Thru For Lakeside Security Keypad" 2	Pass-Thru, Signal Set #1 Input / Signal
3A-S71 To/From: Upper Utility Rm 22-2			
Black "Signal Return"	3A-S71 Upper Utility Rm: Door	"Door Contact Pass-Thru For Lakeside Security Keypad" 2	Pass-Thru, Signal Set #1 Input / Return
Red "Signal"	3A-S71 Upper Utility Rm: Door	"Door Contact Pass-Thru For Lakeside Security Keypad" 2	Pass-Thru, Signal Set #1 Input / Signal
3A-S72 To/From: Upper Storage Rm 22-4			
Black "Signal Return"	3A-S72 Upper Storage Rm: Water Sensor Chain (Upper Level)1	"Water Detector Serving Upper Level" 1	Detector, Water #2 Sensor Input / 4 (Input B)
Red "Signal"	3A-S72 Upper Storage Rm: Water Sensor Chain (Upper Level)1	"Water Detector Serving Upper Level" 1	Detector, Water #2 Sensor Input / 3 (Input A)
3A-S74 To/From: "Smoke@Lakeside Rm" 18-4			
Black "12 V Return"	3A-P74 Lakeside Rm: Smoke Detector (Power)	"Smoke Detector 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma #2 Power Output / POWER 1 - NEG
Red "+12 Vdc"	3A-P74 Lakeside Rm: Smoke Detector (Power)	"Smoke Detector 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma #2 Power Output / POWER 1 - POS
Brown "Signal Return"	3A-S74 Lakeside Rm: Smoke Detector (Signal)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
Blue "Signal"	3A-S74 Lakeside Rm: Smoke Detector (Signal)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / Z06

Cable Wire Device Connections

Orange/CN-Panel/L

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
3A-S75 To/From: "CO@Upper Bar" 18-4			
Black "Return"	3A-S75 Upper Bar: CO Detector (Signal)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
	3A-S02 Upper Bar: CO Detector (Trouble)	"Trouble Indicator" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / Neg
	3A-P75 Upper Bar: CO Detector (Power)	"General 12 Vdc Power Distribution" 3	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 1 - NEG
Red "Signal"	3A-P75 Upper Bar: CO Detector (Power)	"General 12 Vdc Power Distribution" 3	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 1 - POS
Brown "Trouble Signal"	3A-S02 Upper Bar: CO Detector (Trouble)	"Trouble Indicator" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / In 1
Blue "CO Signal"	3A-S75 Upper Bar: CO Detector (Signal)	"Input Expander 2-1 (09)" 1	M1 16 Zone Input Module #1 Discrete In / Z07
3A-S76 To/From: "Motion@Upper Bar" 22-8			
Black "12 V Return"	3A-P76 Upper Bar: Motion (Power)	"General 12 Vdc Power Distribution" 3	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 1 - NEG
Red "+12 Vdc"	3A-P76 Upper Bar: Motion (Power)	"General 12 Vdc Power Distribution" 3	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 1 - POS
White "Signal Return"	3A-S76 Upper Bar: Motion (Signal)	"Input Expander 2-1 (09)" 2	M1 16 Zone Input Module #1 Discrete In / NEG
Orange "Signal"	3A-S76 Upper Bar: Motion (Signal)	"Input Expander 2-1 (09)" 2	M1 16 Zone Input Module #1 Discrete In / Z08
3A-S77 To/From: "Motion@Woodside Rm" 22-8			
Black "12 V Return"	3A-P77 Woodside Rm: Motion (Power)	"General 12 Vdc Power Distribution" 3	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 1 - NEG
Red "+12 Vdc"	3A-P77 Woodside Rm: Motion (Power)	"General 12 Vdc Power Distribution" 3	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 1 - POS
White "Signal Return"	3A-S77 Woodside Rm: Motion (Signal)	"Input Expander 2-1 (09)" 2	M1 16 Zone Input Module #1 Discrete In / NEG
Yellow "Signal"	3A-S77 Woodside Rm: Motion (Signal)	"Input Expander 2-1 (09)" 2	M1 16 Zone Input Module #1 Discrete In / Z08
3A-S78 To/From: "Gas@Upper Storage Rm" 22-4			
Black "Return"	3A-S78 Upper Storage Rm: Combustible Gas Detector (Signal)1	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
	3A-P78 Upper Storage Rm: Combustible Gas Detector (Power)2	"General 12 Vdc Power Distribution" 2	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 2 - NEG
	3A-S03 Upper Storage Rm: Combustible Gas Detector (Trouble)1	"Trouble Indicator" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / Neg
Red "+12 Vdc"	3A-P78 Upper Storage Rm: Combustible Gas Detector (Power)2	"General 12 Vdc Power Distribution" 2	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 2 - POS

Cable Wire Device Connections

Orange/CN-Panel/L

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
White "Signal"	3A-S03 Upper Storage Rm: Combustible Gas Detector (Trouble)	"Trouble Indicator" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / In 3
Green "Gas Signal"	3A-S78 Upper Storage Rm: Combustible Gas Detector (Signal)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / Z02
3A-S79 To/From: "Heat@Upper Storage Rm" 22-4			
Black "Return"	3A-S79 Upper Storage Rm: Heat Detector (Signal)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
	3A-P79 Upper Storage Rm: Heat Detector (Power)	"General 12 Vdc Power Distribution" 2	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 2 - NEG
Red "+12 Vdc"	3A-P79 Upper Storage Rm: Heat Detector (Power)	"General 12 Vdc Power Distribution" 2	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 2 - POS
Green "Signal"	3A-S79 Upper Storage Rm: Heat Detector (Signal)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / Z03
3A-S80/81 To/From: "Gas@Upper Utility Rm" & Another 22-8			
Black "12 V Return"	3A-P80 Upper Utility Rm: Gas & Heat Detectors (Power)	"General 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 3 - NEG
Red "+12 Vdc"	3A-P80 Upper Utility Rm: Gas & Heat Detectors (Power)	"General 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma #1 Power Output / POWER 3 - POS
White "Signal Return"	3A-S80 Upper Utility Rm: Combustible Gas Detector (Signal)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
	3A-S81 Upper Utility Rm: Heat Detector (Signal)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
	3A-S04 Upper Utility Rm: Combustible Gas Detector (Trouble)	"Trouble Indicator" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / Neg
Green "Gas Signal"	3A-S80 Upper Utility Rm: Combustible Gas Detector (Signal)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / Z04
Blue "Gas Trouble Signal"	3A-S04 Upper Utility Rm: Combustible Gas Detector (Trouble)	"Trouble Indicator" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / In 4
Orange "Heat Signal"	3A-S81 Upper Utility Rm: Heat Detector (Signal)	"Input Expander 2-2 (08)" 1	M1 16 Zone Input Module #2 Discrete In / Z05