

Cable Wire Device Connections

White/CN-Panel/1

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
1C-A03 To/From: "Red/CN-Panel/D" 22-4 (S)			
Black "Return"	1C-A07 Red: Smoke Power Pilot	---- 5	M1 Gold Main Module Output / NEG
	1C-A03 Red: Inside Strobe Pilot	"Inside Strobe 12 Vdc Power Distribution" 2	Power Dist Module, 12Vdc, 400ma #1 Power Output / POWER 1 - NEG
Red "Strobe Signal"	1C-A03 Red: Inside Strobe Pilot	"Inside Strobe 12 Vdc Power Distribution" 2	Power Dist Module, 12Vdc, 400ma #1 Power Output / POWER 1 - POS
White "Smoke Signal"	1C-A07 Red: Smoke Power Pilot	---- 5	M1 Gold Main Module Output / +SAUX
1C-C06 To/From: "Red/CN-Panel/D" Cat 5e			
Blue "Terminal A"	1C-C06 Red: Alarm Audio Line Level Drive	---- 3	M1 Gold Main Module Alarm Output / Out1 (+)
White/Blue "Terminal B"	1C-C06 Red: Alarm Audio Line Level Drive	---- 3	M1 Gold Main Module Alarm Output / Out1(-)
1C-S04 To/From: "Temp@Red Utility Closet" 22-4 (S)			
Black "Common"	1C-P04 Red Utility Closet: Temperature (Power)	"General 12 Vdc Power Distribution" 4	Power Dist Module, 12Vdc, 250ma Power Output / POWER 2 - NEG
Red "+12 Vdc"	1C-P04 Red Utility Closet: Temperature (Power)	"General 12 Vdc Power Distribution" 4	Power Dist Module, 12Vdc, 250ma Power Output / POWER 2 - POS
White "Signal"	1C-S04 Red Utility Closet: Temperature (Signal)	---- 1	M1 Gold Main Module Input / Z6
1D-A01/02 To/From: "@Fitness Room" 18-4			
Black "Speaker -"	1D-A01 Fitness Room: Alarm Speaker	"Alarm Speaker 70v Step-up Transformer" 4	Transformer, 70v Audio, 4Ω, 10W Audio Out / Com (4)
Red "Speaker +"	1D-A01 Fitness Room: Alarm Speaker	"Alarm Speaker 70v Step-up Transformer" 4	Transformer, 70v Audio, 4Ω, 10W Audio Out / 10W (2)
White "Return"	1D-A02 Fitness Room: Alarm Strobe	"Inside Strobe 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 400ma #1 Power Output / POWER 4 - NEG
Green "Switched"	1D-A02 Fitness Room: Alarm Strobe	"Inside Strobe 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 400ma #1 Power Output / POWER 4 - POS
1F-A04 To/From: "Green/CN-Panel" & Another 14-4			
Green "Common"	1F-A11 Green: Single-point Common	"Critical 12 vdc Power Connection Point" 4	Power Connection Point Power In / Neg
1F-A07 To/From: "Green/CN-Panel" 22-4 (S)			
Black "Return"	1F-A07 Green: Smoke Power Pilot	---- 5	M1 Gold Main Module Output / NEG
White "Smoke Signal"	1F-A07 Green: Smoke Power Pilot	---- 5	M1 Gold Main Module Output / +SAUX

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1F-S05 To/From: "Temp@Green Utility Closet" 22-4 (S)			
Black "Common"	1F-P05 Green Utility Closet: Temperature (Power)	"General 12 Vdc Power Distribution" 4	Power Dist Module, 12Vdc, 250ma Power Output / POWER 1 - NEG
Red "+12 Vdc"	1F-P05 Green Utility Closet: Temperature (Power)	"General 12 Vdc Power Distribution" 4	Power Dist Module, 12Vdc, 250ma Power Output / POWER 1 - POS
White "Signal"	1F-S05 Green Utility Closet: Temperature (Signal)	----- 1	M1 Gold Main Module Input / Z7
1G-A12 To/From: "Blue/CN-Panel/D" 22-4 (S)			
Black "Return"	1G-A19 Blue: Smoke Power Pilot	----- 5	M1 Gold Main Module Output / NEG
	1G-A12 Blue: Inside Strobe Pilot	"Inside Strobe 12 Vdc Power Distribution" 2	Power Dist Module, 12Vdc, 400ma #1 Power Output / POWER 1 - NEG
Red "Strobe Signal"	1G-A12 Blue: Inside Strobe Pilot	"Inside Strobe 12 Vdc Power Distribution" 2	Power Dist Module, 12Vdc, 400ma #1 Power Output / POWER 1 - POS
White "Smoke Signal"	1G-A19 Blue: Smoke Power Pilot	----- 5	M1 Gold Main Module Output / +SAUX
1G-A13 To/From: "Blue/CN-Panel/D" & Another 14-4			
Green "Common"	1G-A35 Blue: Single-point Common	"Critical 12 vdc Power Connection Point" 4	Power Connection Point Power In / Neg
1G-C11 To/From: "Blue/CN-Panel/D" Cat 5e			
Blue "Terminal A"	1G-C11 Blue: Alarm Speaker Line Level Drive	----- 3	M1 Gold Main Module Alarm Output / Out1 (+)
White/Blue "Terminal B"	1G-C11 Blue: Alarm Speaker Line Level Drive	----- 3	M1 Gold Main Module Alarm Output / Out1(-)
1L-37 To/From: "White/XL-Dim" & Others 14-2			
White "Neutral"	1L-37 White & Yellow Panels Line Power	"Line Power" 1	Outlet, Duplex (15A) Power In (120 Vac) / Neutral
Black "Hot"	1L-37 White & Yellow Panels Line Power	"Line Power" 1	Outlet, Duplex (15A) Power In (120 Vac) / Hot
1L-A05 To/From: Mech Room 18-4			
Black "12 Vdc Return"	1L-A05 Water Shut-Off Valve (Open)	----- 1	M1 Output Relay Board Relay NC / Return 09
	1L-A83 Water Shut-Off Valve (Close)	----- 1	M1 Output Relay Board Relay NO / Return 09
Red "Open Command"	1L-A05 Water Shut-Off Valve (Open)	----- 1	M1 Output Relay Board Relay NC / Out 09 NC
White "Close Command"	1L-A83 Water Shut-Off Valve (Close)	----- 1	M1 Output Relay Board Relay NO / Out 09 NO

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1L-A06 To/From: Mech Room 22-4			
Black "Signal Return"	1L-A06	"Input Expander 1-2 (12)" Water Shut-Off Valve Sense (Open) 1	M1 16 Zone Input Module #2 Discrete In / NEG
	1L-A84	"Input Expander 1-2 (12)" Water Shut-Off Valve Sense (Closed) 1	M1 16 Zone Input Module #2 Discrete In / NEG
Red "Open Signal"	1L-A06	"Input Expander 1-2 (12)" Water Shut-Off Valve Sense (Open) 1	M1 16 Zone Input Module #2 Discrete In / Z02
	1L-A84	"Input Expander 1-2 (12)" Water Shut-Off Valve Sense (Closed) 1	M1 16 Zone Input Module #2 Discrete In / Z03
White "Closed Signal"	1L-A06	"Input Expander 1-2 (12)" Water Shut-Off Valve Sense (Open) 1	M1 16 Zone Input Module #2 Discrete In / Z02
	1L-A84	"Input Expander 1-2 (12)" Water Shut-Off Valve Sense (Closed) 1	M1 16 Zone Input Module #2 Discrete In / Z03
1L-A08 To/From: "Yellow/XL-LVRB" & Another 18-2			
Black "12 Vdc Return"	1L-A08	"12 Vdc Power Connection Point (UPS)" Critical Power - White Panels (12 Vdc) 1	Power Connection Point Power In / Return
	1L-A08	"12 Vdc Power Connection Point (UPS)" Critical Power - White Panels (12 Vdc) 1	Power Connection Point Power In / Supply
Red "+12 Vdc"	1L-A08	"12 Vdc Power Connection Point (UPS)" Critical Power - White Panels (12 Vdc) 1	Power Connection Point Power In / Supply
	1L-A08	"12 Vdc Power Connection Point (UPS)" Critical Power - White Panels (12 Vdc) 1	Power Connection Point Power In / Supply
1L-A100 To/From: No External Connections 22-2			
Black "Return"	1L-A100	"Input Expander 1-1 (11)" Dining Room: Windows (All) 1	M1 16 Zone Input Module #1 Discrete In / NEG
	1L-A100	"Zone Combiner" Dining Room: Windows (All) 1	9-Zone Combiner / Indicator #2 OR (1-3) Output / Neg
Red "Signal"	1L-A100	"Input Expander 1-1 (11)" Dining Room: Windows (All) 1	M1 16 Zone Input Module #1 Discrete In / Z03
	1L-A100	"Zone Combiner" Dining Room: Windows (All) 1	9-Zone Combiner / Indicator #2 OR (1-3) Output / Out 1-3
1L-A108 To/From: No External Connections 18-2			
Black "12 Vdc Return"	1L-A108	"Output Expander CN/1 (02)" White/CN 1: 12 Vdc Essential Power 1	M1 Output Expander 8 Voltage / 8 Relay Relay NO (In) / Return 7
	1L-A108	"Output Expander CN/1 (02)" White/CN 1: 12 Vdc Essential Power 1	M1 Output Expander 8 Voltage / 8 Relay Relay NO (In) / Return 8
	1L-A108	"12 Vdc Power Connection Point (UPS)" White/CN 1: 12 Vdc Essential Power 1	Power Connection Point Power Output / Return 1
	1L-A108	"General 12 Vdc Power Distribution" White/CN 1: 12 Vdc Essential Power 1	Power Dist Module, 12Vdc, 250ma Power In (12 Vdc) / NEG
	1L-A108	"M1 Data Bus Hub 1" White/CN 1: 12 Vdc Essential Power 4	M1 Data Bus Hub Power In (12 Vdc) / Neg
	1L-A108	---- White/CN 1: 12 Vdc Essential Power 1	M1 Ethernet Interface Module Power In (12 Vdc) / Barrel (Rtn)
	1L-A108	"Inside Alarm Speaker Amplifier #1" White/CN 1: 12 Vdc Essential Power 1	M1 Audio Amplifier Power In (12 Vdc) / Power (B)
	1L-A108	"Alarm Speaker Driver, Outside" White/CN 1: 12 Vdc Essential Power 1	M1 Siren/Voice Driver Power In (12 Vdc) / Power (-)
	1L-A108	"Trouble Indicator, Mech Room" White/CN 1: 12 Vdc Essential Power 1	9-Zone Combiner / Indicator #1 Power In (12 Vdc) / Neg

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Red "+12 Vdc, Essential"	1L-A108 White/CN 1: 12 Vdc Essential Power	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Relay NO (In) / Out 7 NO
	1L-A108 White/CN 1: 12 Vdc Essential Power	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Relay NO (In) / Out 8 NO
	1L-A108 White/CN 1: 12 Vdc Essential Power	"12 Vdc Power Connection Point (UPS)" 1	Power Connection Point Power Output / Load 1
	1L-A108 White/CN 1: 12 Vdc Essential Power	"General 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma Power In (12 Vdc) / POS
	1L-A108 White/CN 1: 12 Vdc Essential Power	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Power In (12 Vdc) / +12
	1L-A108 White/CN 1: 12 Vdc Essential Power	----- 1	M1 Ethernet Interface Module Power In (12 Vdc) / Tip (+12 Vdc)
	1L-A108 White/CN 1: 12 Vdc Essential Power	"Inside Alarm Speaker Amplifier #1" 1	M1 Audio Amplifier Power In (12 Vdc) / Power (A)
	1L-A108 White/CN 1: 12 Vdc Essential Power	"Alarm Speaker Driver, Outside" 1	M1 Siren/Voice Driver Power In (12 Vdc) / Power (+)
	1L-A108 White/CN 1: 12 Vdc Essential Power	"Trouble Indicator, Mech Room" 1	9-Zone Combiner / Indicator #1 Power In (12 Vdc) / +12 V
1L-A110 To/From: "White/CN-Panel/2" 18-2			
Black "24 Vdc Return"	1L-A110 Mech Room: 24 Vdc (Line-Power)	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Relay NO (In) / Return 1
Red "+24 Vdc"	1L-A110 Mech Room: 24 Vdc (Line-Power)	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Relay NO (In) / Out 1 NO
1L-A111 To/From: "White/CN-Panel/2" 18-2			
Black "12V DC Return"	1L-A111 12 Vdc Down Spout Power (UPS Powered)	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner Power In (12 Vdc) / Neg
Red "+12V DC"	1L-A111 12 Vdc Down Spout Power (UPS Powered)	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner Power In (12 Vdc) / +12 V
1L-A113 To/From: "White/CN-Panel/2" 18-2			
Black "18V DC Return"	1L-A113 Mech Room: 15Vdc M1G Backup Power (UPS)	----- 1	M1 Gold Main Module Backup Battery / Battery -
Red "+18V DC"	1L-A113 Mech Room: 15Vdc M1G Backup Power (UPS)	----- 1	M1 Gold Main Module Backup Battery / Battery +
1L-A138 To/From: Mech Room (@Septic System Controller) 22-4			
White "Signal"	1L-A138 Mech Room: Septic System Warning	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
Green "Signal Return"	1L-A138 Mech Room: Septic System Warning	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Discrete In / Z04
1L-A139 To/From: No External Connections 22-2			
Black "Return"	1L-A139 Mech Room: Service Trouble	"Trouble Indicator, Mech Room" 1	9-Zone Combiner / Indicator #1 OR (1-9) Output / Neg
	1L-A139 Mech Room: Service Trouble	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Discrete In / NEG

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Red "Signal"	1L-A139 Mech Room: Service Trouble	"Trouble Indicator, Mech Room" 1	9-Zone Combiner / Indicator #1 OR (1-9) Output / Out 1-9
	1L-A139 Mech Room: Service Trouble	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Discrete In / Z04
1L-A140 To/From: "White/CN-Panel/2" 22-2			
Black "Return"	1L-A140 Critical Power Fault	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
Red "Signal"	1L-A140 Critical Power Fault	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Discrete In / Z05
1L-A150 To/From: "White/CN-Panel/2" 22-4			
Black "Return"	1L-A150 Cabinet Fan Alarm	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
	1L-A151 Cabinet Fan Trouble	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
Red "Alarm Signal"	1L-A150 Cabinet Fan Alarm	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Discrete In / Z06
White "Trouble Signal"	1L-A151 Cabinet Fan Trouble	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Discrete In / Z07
1L-A152 To/From: "White/CN-Panel/2" 22-4			
Black "Return"	1L-A152 Bathroom Heating Alarm	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
	1L-A153 Bathroom Heating Trouble	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
Red "Alarm Signal"	1L-A152 Bathroom Heating Alarm	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Discrete In / Z09
White "Trouble Signal"	1L-A153 Bathroom Heating Trouble	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Discrete In / Z10
1L-A164 To/From: No External Connections 18-2			
Black "Speaker -"	1L-A164 "White" Alarm Amplifier Output	"Inside Alarm Speaker Amplifier #1" 1	M1 Audio Amplifier Output / Speaker (B)
	1L-A164 "White" Alarm Amplifier Output	"Alarm Speaker 70v Step-up Transformer" 1	Transformer, 70v Audio, 4Ω, 10W Audio In / Com (8)
Red "Speaker +"	1L-A164 "White" Alarm Amplifier Output	"Inside Alarm Speaker Amplifier #1" 1	M1 Audio Amplifier Output / Speaker (A)
	1L-A164 "White" Alarm Amplifier Output	"Alarm Speaker 70v Step-up Transformer" 1	Transformer, 70v Audio, 4Ω, 10W Audio In / 4Ω (6)
1L-A165 To/From: No External Connections 18-2			
Black "Speaker -"	1L-A165 Alarm Ext Amplifier 8Ω Load	"Alarm Speaker Driver, Outside" 3	M1 Siren/Voice Driver Output / Common
	1L-A165 Alarm Ext Amplifier 8Ω Load	"External Alarm Speaker Leg A Dummy 8Ω Load" 1	Resistor, 8Ω, 3W Input / B

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Red "Speaker +"	1L-A165 Alarm Ext Amplifier 8Ω Load	"Alarm Speaker Driver, Outside" 3	M1 Siren/Voice Driver Output / Leg A (>2Ω)
	1L-A165 Alarm Ext Amplifier 8Ω Load	"External Alarm Speaker Leg A Dummy 8Ω Load" 1	Resistor, 8Ω, 3W Input / A
1L-A166		To/From: "White/CN-Panel/2"	16-2
Black "16.5 Vac A"	1L-A166 Mech Room: M1G Prime (AC) Power (UPS)	---- 1	M1 Gold Main Module Prime Power Input / AC
Red "16.5 Vac A"	1L-A166 Mech Room: M1G Prime (AC) Power (UPS)	---- 1	M1 Gold Main Module Prime Power Input / AC
1L-A218		To/From: "White/CN-Panel/2"	22-2
Black "Terminal A"	1L-A218 HVAC Call - Any	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Discrete In / Z01
Red "Terminal B"	1L-A218 HVAC Call - Any	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
1L-A39		To/From: "White/GP-Panel/1"	22-2
Black "Ground"	1L-A39 Propane Shutoff Control	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Relay Common / 1 (Vs)
Red "Switched"	1L-A39 Propane Shutoff Control	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Relay Common / Out 1 COM
1L-A44/49		To/From: "Yellow/Gen-Xfer-Switch"	22-4
Black "Return"	1L-A44 Generator Trouble (NC)	"Trouble Indicator, Mech Room" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / Neg
	1L-A49 Generator Tamper (NC)	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
White "Signal"	1L-A44 Generator Trouble (NC)	"Trouble Indicator, Mech Room" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / In 3
Green "Signal"	1L-A49 Generator Tamper (NC)	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Discrete In / Z10
1L-A50/51		To/From: "White/CN-Panel/4"	22-4
Black "Return"	1L-A50 Study-Foyer-Door-Closed-L	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
	1L-A51 Study-Door-Controller-Trouble-L	"Trouble Indicator, Mech Room" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / Neg
White "Signal"	1L-A50 Study-Foyer-Door-Closed-L	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Discrete In / Z08
Green "Signal"	1L-A51 Study-Door-Controller-Trouble-L	"Trouble Indicator, Mech Room" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / In 4

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1L-A56>58 To/From: "White/CN-Panel/4" 22-6			
Black "Return"	1L-A56 Study-Foyer-Door-Close-Call-L	----- 1	M1 Output Relay Board Contact Pair, NO / Out 11 COM
	1L-A57 Study-Foyer-Door-Open-Call-L	----- 1	M1 Output Relay Board Contact Pair, NO / Out 12 COM
	1L-A58 Study-Foyer-Door-Auto-Close-Call-L	----- 1	M1 Output Relay Board Contact Pair, NO / Out 13 COM
White "Switched"	1L-A56 Study-Foyer-Door-Close-Call-L	----- 1	M1 Output Relay Board Contact Pair, NO / Out 11 NO
Green "Signal"	1L-A57 Study-Foyer-Door-Open-Call-L	----- 1	M1 Output Relay Board Contact Pair, NO / Out 12 NO
Brown "Signal"	1L-A58 Study-Foyer-Door-Auto-Close-Call-L	----- 1	M1 Output Relay Board Contact Pair, NO / Out 13 NO
1L-A59/60 To/From: "White/CN-Panel/6" 22-4 (S)			
Black "Return"	1L-A59 Outside Temperature (Computed)	----- 1	M1 Gold Main Module Input / NEG
	1L-A60 Outside Dewpoint (Computed)	----- 1	M1 Gold Main Module Input / NEG
White "Signal"	1L-A59 Outside Temperature (Computed)	----- 1	M1 Gold Main Module Input / Z1
Green "Signal"	1L-A60 Outside Dewpoint (Computed)	----- 1	M1 Gold Main Module Input / Z2
1L-A61 To/From: "White/CN-Panel/2" 22-6			
Black "Return"	1L-A61 AC Mains Fail (NO)	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
	1L-A62 Generator Fail (NO)	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
	1L-A63 Standby Lights On (NO)	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
	1L-A64 UPS Trouble (NO)	"Trouble Indicator, Mech Room" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / Neg
	1L-A74 Emerg Power Control Trouble (EPC)	"Trouble Indicator, Mech Room" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / Neg
Red "Switched"	1L-A74 Emerg Power Control Trouble (EPC)	"Trouble Indicator, Mech Room" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / In 6
White "Signal"	1L-A61 AC Mains Fail (NO)	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Discrete In / Z12
Green "Signal"	1L-A62 Generator Fail (NO)	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Discrete In / Z13
Brown "Signal"	1L-A63 Standby Lights On (NO)	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Discrete In / Z14
Blue "Signal"	1L-A64 UPS Trouble (NO)	"Trouble Indicator, Mech Room" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / In 5

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1L-A66 To/From: "White/CN-Panel/2" 22-4			
Black "Ground"	1L-A66 Dark Outside (NO)	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Contact Pair / Out 2 COM
	1L-A67 Emerg Lights Manual (NO)	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Contact Pair / Out 3 COM
	1L-A68 Emerg Lights On (NO)	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Contact Pair / Out 4 COM
Red "Switched"	1L-A66 Dark Outside (NO)	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Contact Pair / Out 2 NO
White "Switched"	1L-A67 Emerg Lights Manual (NO)	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Contact Pair / Out 3 NO
Green "Switched"	1L-A68 Emerg Lights On (NO)	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Contact Pair / Out 4 NO
1L-A73 To/From: "White/E-Rack/2" 22-2			
Black "Return"	1L-A73 UPS Replace Battery (NO)	"Trouble Indicator, Mech Room" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / Neg
Red "Switched"	1L-A73 UPS Replace Battery (NO)	"Trouble Indicator, Mech Room" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / In 7
1L-A86 To/From: No External Connections 22-10			
Black "Signal Return"	1L-A86 Outside Horn Code 2	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Discrete Output / -
	1L-A86 Outside Horn Code 2	"Alarm Speaker Driver, Outside" 1	M1 Siren/Voice Driver Discrete In / COM
Orange "Code 4"	1L-A88 Outside Horn Code 4	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Discrete Output / 12
	1L-A88 Outside Horn Code 4	"Alarm Speaker Driver, Outside" 1	M1 Siren/Voice Driver Discrete In / +B4
Yellow "Code 3"	1L-A87 Outside Horn Code 3	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Discrete Output / 11
	1L-A87 Outside Horn Code 3	"Alarm Speaker Driver, Outside" 1	M1 Siren/Voice Driver Discrete In / +S3
Violet "Code 2"	1L-A86 Outside Horn Code 2	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Discrete Output / 10
	1L-A86 Outside Horn Code 2	"Alarm Speaker Driver, Outside" 1	M1 Siren/Voice Driver Discrete In / +V2
Gray "Code 1"	1L-A85 Outside Horn Code 1	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Discrete Output / 09
	1L-A85 Outside Horn Code 1	"Alarm Speaker Driver, Outside" 1	M1 Siren/Voice Driver Discrete In / +V1
1L-A89 To/From: No External Connections 22-10			
Black "Return"	1L-A89 Output Expander Drive 09	----	M1 Output Relay Board Control In / -
	1L-A89 Output Expander Drive 09	----	M1 Gold Main Module Discrete Output / NEG

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White "Signal 16"	1L-A96 Output Expander Drive 16	---- 1	M1 Output Relay Board Control In / 16
	1L-A96 Output Expander Drive 16	---- 1	M1 Gold Main Module Discrete Output / 16
Green "Signal 15"	1L-A95 Output Expander Drive 15	---- 1	M1 Output Relay Board Control In / 15
	1L-A95 Output Expander Drive 15	---- 1	M1 Gold Main Module Discrete Output / 15
Brown "Signal 14"	1L-A94 Output Expander Drive 14	---- 1	M1 Output Relay Board Control In / 14
	1L-A94 Output Expander Drive 14	---- 1	M1 Gold Main Module Discrete Output / 14
Blue "Signal 13"	1L-A93 Output Expander Drive 13	---- 1	M1 Output Relay Board Control In / 13
	1L-A93 Output Expander Drive 13	---- 1	M1 Gold Main Module Discrete Output / 13
Orange "Signal 12"	1L-A92 Output Expander Drive 12	---- 1	M1 Output Relay Board Control In / 12
	1L-A92 Output Expander Drive 12	---- 1	M1 Gold Main Module Discrete Output / 12
Yellow "Signal 11"	1L-A91 Output Expander Drive 11	---- 1	M1 Output Relay Board Control In / 11
	1L-A91 Output Expander Drive 11	---- 1	M1 Gold Main Module Discrete Output / 11
Violet "Signal 10"	1L-A90 Output Expander Drive 10	---- 1	M1 Output Relay Board Control In / 10
	1L-A90 Output Expander Drive 10	---- 1	M1 Gold Main Module Discrete Output / 10
Gray "Signal 09"	1L-A89 Output Expander Drive 09	---- 1	M1 Output Relay Board Control In / 09
	1L-A89 Output Expander Drive 09	---- 1	M1 Gold Main Module Discrete Output / 9
1L-A97		To/From: No External Connections	18-2
Black "Ground"	1L-A97 Outside Strobe Switched Power	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Relay Common / 7 (Vs)
	1L-A97 Outside Strobe Switched Power	"Outside Strobe +12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 400ma #2 Power In (12 Vdc) / NEG
Red "Switched Power"	1L-A97 Outside Strobe Switched Power	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Relay Common / Out 7 COM
	1L-A97 Outside Strobe Switched Power	"Outside Strobe +12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 400ma #2 Power In (12 Vdc) / POS
1L-A98		To/From: No External Connections	18-2
Black "Ground"	1L-A98 Inside Strobe Switched Power	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Relay Common / 8 (Vs)
	1L-A98 Inside Strobe Switched Power	"Inside Strobe 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 400ma #1 Power In (12 Vdc) / NEG

Cable Wire Device Connections

White/CN-Panel/1

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
Red "Switched Power"	1L-A98 Inside Strobe Switched Power	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Relay Common / Out 8 COM
	1L-A98 Inside Strobe Switched Power	"Inside Strobe 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 400ma #1 Power In (12 Vdc) / POS
1L-A99		To/From: No External Connections	22-2
Black "Return"	1L-A99 Down Spout Tamper	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner OR (1-9) Output / 7-9 (-)
	1L-A99 Down Spout Tamper	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Discrete In / NEG
Red "Down Spout 1"	1L-A99 Down Spout Tamper	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner OR (1-9) Output / 1-9 (+)
	1L-A99 Down Spout Tamper	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Discrete In / Z08
1L-C05		To/From: "White/E-Rack/2"	Cat 6
White/Orange "568B (LAN)"	1L-C05 LAN (Tier 0 To M1G)	---- 1	M1 Ethernet Interface Module Upstream (Port 1) / LAN Port
1L-C14		To/From: "White/CN-Panel/2"	Cat 5 (M1)
White/Green "B1"	1L-C14 M1G Data Bus - Output Expander CN/2 (05)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 7 B1
Green "A1"	1L-C14 M1G Data Bus - Output Expander CN/2 (05)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 7 A1
White/Orange "B"	1L-C14 M1G Data Bus - Output Expander CN/2 (05)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 7 B
Orange "A"	1L-C14 M1G Data Bus - Output Expander CN/2 (05)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 7 A
White/Brown "_"	1L-C14 M1G Data Bus - Output Expander CN/2 (05)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 7 Neg
Brown "+"_	1L-C14 M1G Data Bus - Output Expander CN/2 (05)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 7 +12
1L-C20		To/From: "Yellow/CN-Panel/H"	Cat 5 (M1)
White/Green "B1"	1L-C20 M1G Data Bus - HVAC RS-232 (03)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 2 B1
Green "A1"	1L-C20 M1G Data Bus - HVAC RS-232 (03)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 2 A1
White/Orange "B"	1L-C20 M1G Data Bus - HVAC RS-232 (03)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 2 B
Orange "A"	1L-C20 M1G Data Bus - HVAC RS-232 (03)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 2 A
White/Brown "_"	1L-C20 M1G Data Bus - HVAC RS-232 (03)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 2 Neg

Cable Wire Device Connections

White/CN-Panel/1

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
Brown "+"	1L-C20 M1G Data Bus - HVAC RS-232 (03)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 2 +12
1L-C24		To/From: No External Connections	Cat 5 (M1)
White/Green "B1"	1L-C24 M1G Data Bus - Output Expander CN/1 (02)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 3 B1
	1L-C24 M1G Data Bus - Output Expander CN/1 (02)	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Data Bus / B1
Green "A1"	1L-C24 M1G Data Bus - Output Expander CN/1 (02)	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Data Bus / A1
	1L-C24 M1G Data Bus - Output Expander CN/1 (02)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 3 A1
White/Orange "B"	1L-C24 M1G Data Bus - Output Expander CN/1 (02)	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Data Bus / B
	1L-C24 M1G Data Bus - Output Expander CN/1 (02)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 3 B
Orange "A"	1L-C24 M1G Data Bus - Output Expander CN/1 (02)	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Data Bus / A
	1L-C24 M1G Data Bus - Output Expander CN/1 (02)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 3 A
White/Brown "_"	1L-C24 M1G Data Bus - Output Expander CN/1 (02)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 3 Neg
	1L-C24 M1G Data Bus - Output Expander CN/1 (02)	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Data Bus / NEG
Brown "+"	1L-C24 M1G Data Bus - Output Expander CN/1 (02)	"Output Expander CN/1 (02)" 1	M1 Output Expander 8 Voltage / 8 Relay Data Bus / +12
	1L-C24 M1G Data Bus - Output Expander CN/1 (02)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 3 +12
1L-C25		To/From: No External Connections	22-4
Black "Return"	1L-C25 M1G Data Bus (Origin to White)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus In / Neg
	1L-C25 M1G Data Bus (Origin to White)	---- 1	M1 Gold Main Module Data Bus / NEG
White "Data B"	1L-C25 M1G Data Bus (Origin to White)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus In / B
	1L-C25 M1G Data Bus (Origin to White)	---- 1	M1 Gold Main Module Data Bus / DATA B
Green "Data A"	1L-C25 M1G Data Bus (Origin to White)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus In / A
	1L-C25 M1G Data Bus (Origin to White)	---- 1	M1 Gold Main Module Data Bus / DATA A
1L-C26		To/From: "Yellow/CN-Panel/1"	Cat 5 (M1)
White/Green "B1"	1L-C26 M1G Data Bus - Lighting RS-232 (01/02)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 1 B1
Green "A1"	1L-C26 M1G Data Bus - Lighting RS-232 (01/02)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 1 A1

Cable Wire Device Connections

White/CN-Panel/1

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
White/Orange "B"	1L-C26 M1G Data Bus - Lighting RS-232 (01/02)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 1 B
Orange "A"	1L-C26 M1G Data Bus - Lighting RS-232 (01/02)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 1 A
White/Brown "_"	1L-C26 M1G Data Bus - Lighting RS-232 (01/02)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 1 Neg
Brown "+"	1L-C26 M1G Data Bus - Lighting RS-232 (01/02)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 1 +12
1L-C27		To/From: No External Connections	Cat 5 (M1)
White/Green "B1"	1L-C27 M1G Data Bus - Input Expander 1-1 (11)	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Data Bus / B1
	1L-C27 M1G Data Bus - Input Expander 1-1 (11)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 4 B1
Green "A1"	1L-C27 M1G Data Bus - Input Expander 1-1 (11)	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Data Bus / A1
	1L-C27 M1G Data Bus - Input Expander 1-1 (11)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 4 A1
White/Orange "B"	1L-C27 M1G Data Bus - Input Expander 1-1 (11)	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Data Bus / B
	1L-C27 M1G Data Bus - Input Expander 1-1 (11)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 4 B
Orange "A"	1L-C27 M1G Data Bus - Input Expander 1-1 (11)	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Data Bus / A
	1L-C27 M1G Data Bus - Input Expander 1-1 (11)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 4 A
White/Brown "_"	1L-C27 M1G Data Bus - Input Expander 1-1 (11)	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Data Bus / Neg
	1L-C27 M1G Data Bus - Input Expander 1-1 (11)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 4 Neg
Brown "+"	1L-C27 M1G Data Bus - Input Expander 1-1 (11)	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Data Bus / +12
	1L-C27 M1G Data Bus - Input Expander 1-1 (11)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 4 +12
1L-C28		To/From: No External Connections	Cat 5 (M1)
White/Green "B1"	1L-C28 M1G Data Bus - Input Expander 1-2 (12)	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Data Bus / B1
	1L-C28 M1G Data Bus - Input Expander 1-2 (12)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 5 B1
Green "A1"	1L-C28 M1G Data Bus - Input Expander 1-2 (12)	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Data Bus / A1
	1L-C28 M1G Data Bus - Input Expander 1-2 (12)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 5 A1

Cable Wire Device Connections

White/CN-Panel/1

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
White/Orange "B"	1L-C28 M1G Data Bus - Input Expander 1-2 (12)	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Data Bus / B
	1L-C28 M1G Data Bus - Input Expander 1-2 (12)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 5 B
Orange "A"	1L-C28 M1G Data Bus - Input Expander 1-2 (12)	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Data Bus / A
	1L-C28 M1G Data Bus - Input Expander 1-2 (12)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 5 A
White/Brown "_"	1L-C28 M1G Data Bus - Input Expander 1-2 (12)	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Data Bus / Neg
	1L-C28 M1G Data Bus - Input Expander 1-2 (12)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 5 Neg
Brown "+"	1L-C28 M1G Data Bus - Input Expander 1-2 (12)	"Input Expander 1-2 (12)" 1	M1 16 Zone Input Module #2 Data Bus / +12
	1L-C28 M1G Data Bus - Input Expander 1-2 (12)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 5 +12
1L-C29		To/From: No External Connections	Serial Cable
RS-232 Cable "RS-232"	1L-C29 M1G RS-232 Primary Data Bus	---- 1	M1 Ethernet Interface Module RS-232 Bus / RS-232
	1L-C29 M1G RS-232 Primary Data Bus	---- 1	M1 Gold Main Module RS-232 Bus / RS-232
1L-C30		To/From: No External Connections	22-2 (S)
Black "Terminal A"	1L-C30 White: Alarm Audio Line Level Drive	---- 3	M1 Gold Main Module Alarm Output / Out1(-)
	1L-C30 White: Alarm Audio Line Level Drive	"Inside Alarm Speaker Amplifier #1" 1	M1 Audio Amplifier Audio In / Input (B)
Red "Terminal B"	1L-C30 White: Alarm Audio Line Level Drive	---- 3	M1 Gold Main Module Alarm Output / Out1 (+)
	1L-C30 White: Alarm Audio Line Level Drive	"Inside Alarm Speaker Amplifier #1" 1	M1 Audio Amplifier Audio In / Input (A)
1L-C50		To/From: Mech Room (@White/Phone-Demarc)	Cat 5 (M1)
White/Orange "Telco Tip"	1L-C50 Mech Room: M1G Alarm Phone to Demarc	---- 1	M1 Gold Main Module Alarm Capture / Telco Ring
Orange "Telco Ring"	1L-C50 Mech Room: M1G Alarm Phone to Demarc	---- 1	M1 Gold Main Module Alarm Capture / Telco Tip
White/Blue "House Tip"	1L-C50 Mech Room: M1G Alarm Phone to Demarc	---- 1	M1 Gold Main Module Alarm Capture / House Ring (R1)
Blue "House Ring"	1L-C50 Mech Room: M1G Alarm Phone to Demarc	---- 1	M1 Gold Main Module Alarm Capture / House Tip (T1)
1L-P19		To/From: "White/E-Rack/2"	22-4 (S)
Black "12 Vdc Return"	1L-P19 Mech Room: Microphone 1 Power	"General 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma Power Output / POWER 6 - NEG

Cable Wire Device Connections

White/CN-Panel/1

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
Red "+12 Vdc"	1L-P19 Mech Room: Microphone 1 Power	"General 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma Power Output / POWER 6 - POS
White "+12 Vdc"	1L-P20 Mech Room: Microphone 2 Power	"General 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma Power Output / POWER 7 - POS
1L-S01 To/From: Mech Room 22-2			
Black "Signal Return"	1L-S01 Mech Room: Service Door	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
Red "Signal"	1L-S01 Mech Room: Service Door	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Discrete In / Z05
1L-S02 To/From: "Temp@Mech Room" 22-4 (S)			
Black "Common"	1L-P02 Mech Room: Temperature (Power)	"General 12 Vdc Power Distribution" 4	Power Dist Module, 12Vdc, 250ma Power Output / POWER 1 - NEG
Red "+12 Vdc"	1L-P02 Mech Room: Temperature (Power)	"General 12 Vdc Power Distribution" 4	Power Dist Module, 12Vdc, 250ma Power Output / POWER 1 - POS
White "Signal"	1L-S02 Mech Room: Temperature (Signal)	----- 1	M1 Gold Main Module Input / Z11
1L-S03 To/From: "CO@Mech Room" 22-6			
Black "12 V Return"	1L-P03 Mech Room: CO Detector (Power)	"General 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma Power Output / POWER 5 - NEG
Red "+12 Vdc"	1L-P03 Mech Room: CO Detector (Power)	"General 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 250ma Power Output / POWER 5 - POS
White "Signal Return"	1L-S03 Mech Room: CO Detector (Signal)	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
	1L-S06 Mech Room: CO Detector (Trouble)	"Trouble Indicator, Mech Room" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / Neg
Green "CO Signal"	1L-S03 Mech Room: CO Detector (Signal)	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Discrete In / Z06
Blue "CO Trouble Signal"	1L-S06 Mech Room: CO Detector (Trouble)	"Trouble Indicator, Mech Room" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / In 1
1L-S04 To/From: "Smoke@Mech Room" 22-10			
Black "12 V Return"	1L-P04 Mech Room: Smoke Detector (Power)	----- 5	M1 Gold Main Module Output / NEG
Red "Signal Return"	1L-S04 Mech Room: Smoke Detector (Signal)	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
White "Signal Return"	1L-P04 Mech Room: Smoke Detector (Power)	----- 5	M1 Gold Main Module Output / +SAUX
Green "Signal"	1L-S04 Mech Room: Smoke Detector (Signal)	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Discrete In / Z07

Cable Wire Device Connections

White/CN-Panel/1

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
1L-S05 To/From: "Gas@Mech Room" 22-4			
Black "Common"	1L-S05 Mech Room: Combustible Gas Detector (Signal)	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Discrete In / NEG
	1L-P05 Mech Room: Combustible Gas Detector (Power)	"General 12 Vdc Power Distribution" 4	Power Dist Module, 12Vdc, 250ma Power Output / POWER 1 - NEG
	1L-S07 Mech Room: Combustible Gas Detector (Trouble)	"Trouble Indicator, Mech Room" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / Neg
Red "+12 Vdc"	1L-P05 Mech Room: Combustible Gas Detector (Power)	"General 12 Vdc Power Distribution" 4	Power Dist Module, 12Vdc, 250ma Power Output / POWER 1 - POS
White "Gas Trouble Signal"	1L-S07 Mech Room: Combustible Gas Detector (Trouble)	"Trouble Indicator, Mech Room" 1	9-Zone Combiner / Indicator #1 OR (1-9) Input / In 2
Green "Signal"	1L-S05 Mech Room: Combustible Gas Detector (Signal)	"Input Expander 1-1 (11)" 1	M1 16 Zone Input Module #1 Discrete In / Z02
2B-S09 To/From: "Temp@Master Bath" 22-4 (S)			
Black "Common"	2B-P09 Master Bath: Tub Temperature (Power)	"General 12 Vdc Power Distribution" 2	Power Dist Module, 12Vdc, 250ma Power Output / POWER 3 - NEG
Red "+12 Vdc"	2B-P09 Master Bath: Tub Temperature (Power)	"General 12 Vdc Power Distribution" 2	Power Dist Module, 12Vdc, 250ma Power Output / POWER 3 - POS
White "Signal"	2B-S09 Master Bath: Tub Temperature (Signal)	----- 1	M1 Gold Main Module Input / Z3
2C-A01 To/From: "Elk Keypad 2C" Cat 5 (M1)			
White/Green "B1"	2C-A01 Foyer: Security Keypad Data (02)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 6 B1
Green "A1"	2C-A01 Foyer: Security Keypad Data (02)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 6 A1
White/Orange "B"	2C-A01 Foyer: Security Keypad Data (02)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 6 B
Orange "A"	2C-A01 Foyer: Security Keypad Data (02)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 6 A
White/Brown "_"	2C-A01 Foyer: Security Keypad Data (02)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 6 Neg
Brown "+"	2C-A01 Foyer: Security Keypad Data (02)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 6 +12
2C-A02 To/From: Foyer 14-2			
Black "Return"	2C-A02 Foyer: Front Door Strike	----- 1	M1 Output Relay Board Relay Common / Return 10
Red "Switched"	2C-A02 Foyer: Front Door Strike	----- 1	M1 Output Relay Board Relay Common / Out 10 COM

Cable Wire Device Connections

White/CN-Panel/1

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
2C-S03>05 To/From: Dining Room 22-4			
Black "Signal Return"	2C-S03 Dining Room: Window (L)	"Zone Combiner" 1	9-Zone Combiner / Indicator #2 OR (1-3) Input / Neg
	2C-S04 Dining Room: Window (C)	"Zone Combiner" 1	9-Zone Combiner / Indicator #2 OR (1-3) Input / Neg
	2C-S05 Dining Room: Window (R)	"Zone Combiner" 1	9-Zone Combiner / Indicator #2 OR (1-3) Input / Neg
Red "Signal"	2C-S05 Dining Room: Window (R)	"Zone Combiner" 1	9-Zone Combiner / Indicator #2 OR (1-3) Input / In 3
White "Left / Middle"	2C-S03 Dining Room: Window (L)	"Zone Combiner" 1	9-Zone Combiner / Indicator #2 OR (1-3) Input / In 1
Green "Middle / Right"	2C-S04 Dining Room: Window (C)	"Zone Combiner" 1	9-Zone Combiner / Indicator #2 OR (1-3) Input / In 2
2C-S11 To/From: "Temp@Great Room" 22-4 (S)			
Black "Common"	2C-P11 Great Room: Temperature (Power)	"General 12 Vdc Power Distribution" 2	Power Dist Module, 12Vdc, 250ma Power Output / POWER 3 - NEG
Red "+12 Vdc"	2C-P11 Great Room: Temperature (Power)	"General 12 Vdc Power Distribution" 2	Power Dist Module, 12Vdc, 250ma Power Output / POWER 3 - POS
White "Signal"	2C-S11 Great Room: Temperature (Signal)	---- 1	M1 Gold Main Module Input / Z10
2E-A02 To/From: "@Mud Room Hall" 18-4			
Black "Speaker -"	2E-A02 Mud Room Hall: Alarm Speaker	"Alarm Speaker 70v Step-up Transformer" 4	Transformer, 70v Audio, 4Ω, 10W Audio Out / Com (4)
Red "Speaker +"	2E-A02 Mud Room Hall: Alarm Speaker	"Alarm Speaker 70v Step-up Transformer" 4	Transformer, 70v Audio, 4Ω, 10W Audio Out / 10W (2)
White "Return"	2E-A04 Mud Room Hall: Alarm Strobe	"Inside Strobe 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 400ma #1 Power Output / POWER 5 - NEG
Green "Switched"	2E-A04 Mud Room Hall: Alarm Strobe	"Inside Strobe 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 400ma #1 Power Output / POWER 5 - POS
2F-S10 To/From: "Temp@Screen Porch" 22-4 (S)			
Black "Common"	2F-P10 Screen Porch: Temperature (Power)	"General 12 Vdc Power Distribution" 4	Power Dist Module, 12Vdc, 250ma Power Output / POWER 2 - NEG
Red "+12 Vdc"	2F-P10 Screen Porch: Temperature (Power)	"General 12 Vdc Power Distribution" 4	Power Dist Module, 12Vdc, 250ma Power Output / POWER 2 - POS
White "Signal"	2F-S10 Screen Porch: Temperature (Signal)	---- 1	M1 Gold Main Module Input / Z4
2H-A01 To/From: "Orange/CN-Panel/L" & Another 14-4			
Green "Common"	2H-A30 Orange: Single-point Common	"Critical 12 vdc Power Connection Point" 4	Power Connection Point Power In / Neg

Cable Wire Device Connections

White/CN-Panel/1

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
2H-A18 To/From: "Orange/CN-Panel/L" 22-2			
Black "Return"	2H-A18 Orange: Smoke Power Pilot	---- 5	M1 Gold Main Module Output / NEG
Red "Smoke Signal"	2H-A18 Orange: Smoke Power Pilot	---- 5	M1 Gold Main Module Output / +SAUX
2H-A63/64 To/From: "@Garage" 18-4			
Black "Speaker -"	2H-A63 Garage: Alarm Speaker	"Alarm Speaker 70v Step-up Transformer" 4	Transformer, 70v Audio, 4Ω, 10W Audio Out / Com (4)
Red "Speaker +"	2H-A63 Garage: Alarm Speaker	"Alarm Speaker 70v Step-up Transformer" 4	Transformer, 70v Audio, 4Ω, 10W Audio Out / 10W (2)
White "Return"	2H-A64 Garage: Alarm Strobe	"Inside Strobe 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 400ma #1 Power Output / POWER 3 - NEG
Green "Signal"	2H-A64 Garage: Alarm Strobe	"Inside Strobe 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 400ma #1 Power Output / POWER 3 - POS
2H-C05 To/From: "Orange/CN-Panel/L" Cat 5 (M1)			
White/Orange "B"	2H-C05 M1G Data Bus (White to Orange)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 8 B
Orange "A"	2H-C05 M1G Data Bus (White to Orange)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 8 A
White/Brown "_"	2H-C05 M1G Data Bus (White to Orange)	"M1 Data Bus Hub 1" 1	M1 Data Bus Hub Data Bus / Port 8 Neg
2L-A01/02 To/From: Study Exterior 18-4			
Black "Speaker -"	2L-A01 Study Exterior: Alarm Speaker	"Alarm Speaker Driver, Outside" 3	M1 Siren/Voice Driver Output / Common
Red "Speaker +"	2L-A01 Study Exterior: Alarm Speaker	"Alarm Speaker Driver, Outside" 3	M1 Siren/Voice Driver Output / Leg A (>2Ω)
White "Switched"	2L-A02 Study Exterior: Alarm Strobe (ext)	"Outside Strobe +12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 400ma #2 Power Output / POWER 1 - POS
Green "Return"	2L-A02 Study Exterior: Alarm Strobe (ext)	"Outside Strobe +12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 400ma #2 Power Output / POWER 1 - NEG
2L-A03 To/From: Driveway Gate 18-4			
Black "Return"	2L-A03 Driveway Gate: Alarm Strobe (ext)	"Outside Strobe +12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 400ma #2 Power Output / POWER 2 - NEG
Red "Switched"	2L-A03 Driveway Gate: Alarm Strobe (ext)	"Outside Strobe +12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 400ma #2 Power Output / POWER 2 - POS
2L-A50/51 To/From: Heat Pump Area 18-4			
Black "Speaker -"	2L-A50 Heat Pump Area: Alarm Speaker	"Alarm Speaker Driver, Outside" 3	M1 Siren/Voice Driver Output / Leg B (>2Ω)

Cable Wire Device Connections

White/CN-Panel/1

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
Red "Speaker +"	2L-A50 Heat Pump Area: Alarm Speaker	"Alarm Speaker Driver, Outside" 3	M1 Siren/Voice Driver Output / Common
White "Return"	2L-A51 Heat Pump Area: Alarm Strobe (ext)	"Outside Strobe +12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 400ma #2 Power Output / POWER 3 - NEG
Green "Signal"	2L-A51 Heat Pump Area: Alarm Strobe (ext)	"Outside Strobe +12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 400ma #2 Power Output / POWER 3 - POS
2M-A01		To/From: South Yard (West)	18-4
Black "Speaker -"	2M-A01 South Yard (West): Alarm Speaker	"Alarm Speaker Driver, Outside" 3	M1 Siren/Voice Driver Output / Common
Red "Speaker +"	2M-A01 South Yard (West): Alarm Speaker	"Alarm Speaker Driver, Outside" 3	M1 Siren/Voice Driver Output / Leg A (>2Ω)
2M-A04		To/From: Open Deck	18-4
Black "Speaker -"	2M-A04 Open Deck: Alarm Speaker	"Alarm Speaker Driver, Outside" 3	M1 Siren/Voice Driver Output / Leg B (>2Ω)
Red "Speaker +"	2M-A04 Open Deck: Alarm Speaker	"Alarm Speaker Driver, Outside" 3	M1 Siren/Voice Driver Output / Common
2M-A05		To/From: Walkout Patio	18-4
Black "Speaker -"	2M-A05 Walkout Patio: Alarm Speaker	"Alarm Speaker Driver, Outside" 3	M1 Siren/Voice Driver Output / Leg B (>2Ω)
Red "Speaker +"	2M-A05 Walkout Patio: Alarm Speaker	"Alarm Speaker Driver, Outside" 3	M1 Siren/Voice Driver Output / Common
2M-S16		To/From: "Temp@Hot Tub Area"	22-4 (S)
Black "12 V Return"	2M-P16 Hot Tub Area: Tub Water Temperature (Power)	"General 12 Vdc Power Distribution" 4	Power Dist Module, 12Vdc, 250ma Power Output / POWER 2 - POS
Red "+12 Vdc"	2M-P16 Hot Tub Area: Tub Water Temperature (Power)	"General 12 Vdc Power Distribution" 4	Power Dist Module, 12Vdc, 250ma Power Output / POWER 2 - NEG
White "Signal"	2M-S16 Hot Tub Area: Tub Water Temperature (Signal)	----- 1	M1 Gold Main Module Input / Z5
3A-A85/86		To/From: "@Upper Bar"	18-4
Black "Speaker -"	3A-A85 Upper Bar: Alarm Speaker	"Alarm Speaker 70v Step-up Transformer" 4	Transformer, 70v Audio, 4Ω, 10W Audio Out / Com (4)
Red "Speaker +"	3A-A85 Upper Bar: Alarm Speaker	"Alarm Speaker 70v Step-up Transformer" 4	Transformer, 70v Audio, 4Ω, 10W Audio Out / 10W (2)
White "Return"	3A-A86 Upper Bar: Strobe	"Inside Strobe 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 400ma #1 Power Output / POWER 2 - NEG
Green "Signal"	3A-A86 Upper Bar: Strobe	"Inside Strobe 12 Vdc Power Distribution" 1	Power Dist Module, 12Vdc, 400ma #1 Power Output / POWER 2 - POS

Cable Wire Device Connections

White/CN-Panel/1

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
3A-S01 To/From: "Temp@Upper Storage Rm" 22-4 (S)			
Black "Common"	3A-P01 Upper Storage Rm: Temperature (Power)	"General 12 Vdc Power Distribution" 4	Power Dist Module, 12Vdc, 250ma Power Output / POWER 1 - NEG
Red "+12 Vdc"	3A-P01 Upper Storage Rm: Temperature (Power)	"General 12 Vdc Power Distribution" 4	Power Dist Module, 12Vdc, 250ma Power Output / POWER 1 - POS
White "Signal"	3A-S01 Upper Storage Rm: Temperature (Signal)	----- 1	M1 Gold Main Module Input / Z8
4A-S01>09 To/From: Attic (@Tamper Cluster A) 22-6			
Black "Gutter @ Ground"	4A-S01 Attic: Down Spout Tamper #1	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner OR (1-9) Input / Neg
	4A-S02 Attic: Down Spout Tamper #2	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner OR (1-9) Input / Neg
	4A-S08 Attic: Down Spout Tamper #8	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner OR (1-9) Input / Neg
	4A-S09 Attic: Down Spout Tamper #9	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner OR (1-9) Input / In 9
Red "Down Spout"	4A-S01 Attic: Down Spout Tamper #1	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner OR (1-9) Input / In 1
White "Down Spout"	4A-S02 Attic: Down Spout Tamper #2	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner OR (1-9) Input / In 2
Green "Down Spout"	4A-S08 Attic: Down Spout Tamper #8	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner OR (1-9) Input / In 8
Brown "Down Spout"	4A-S09 Attic: Down Spout Tamper #9	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner OR (1-9) Input / Neg
4A-S03 To/From: Attic (@Tamper Cluster B) 22-2			
Black "Gutter @ Ground"	4A-S03 Attic: Down Spout Tamper #3	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner OR (1-9) Input / Neg
Red "Down Spout"	4A-S03 Attic: Down Spout Tamper #3	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner OR (1-9) Input / In 3
4A-S04/05 To/From: Attic (@Tamper Cluster C) 22-4			
Black "Gutter @ Ground"	4A-S04 Attic: Down Spout Tamper #4	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner OR (1-9) Input / Neg
	4A-S05 Attic: Down Spout Tamper #5	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner OR (1-9) Input / Neg
Red "Down Spout"	4A-S04 Attic: Down Spout Tamper #4	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner OR (1-9) Input / In 4
White "Down Spout"	4A-S05 Attic: Down Spout Tamper #5	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner OR (1-9) Input / In 5

Cable Wire Device Connections

White/CN-Panel/1

Cable Wires	Circuit ID Circuit Name	Device Name Terminal Wire Count	Device Type Device Terminal Connection
4A-S06/07 To/From: Attic (@Tamper Cluster D) 22-4			
Black "Gutter @ Ground"	4A-S06 Attic: Down Spout Tamper #6	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner OR (1-9) Input / Neg
	4A-S07 Attic: Down Spout Tamper #7	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner OR (1-9) Input / Neg
Red "Down Spout"	4A-S06 Attic: Down Spout Tamper #6	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner OR (1-9) Input / In 6
White "Down Spout"	4A-S07 Attic: Down Spout Tamper #7	"Down Spout Tamper Detector" 1	9-Zone Isolated Combiner OR (1-9) Input / In 7
4A-S20 To/From: "Temp@Attic - ^ Dining Rm" 22-4 (S)			
Black "Power Return"	4A-P20 Attic - ^ Dining Rm: Temperature (Power)	"General 12 Vdc Power Distribution" 4	Power Dist Module, 12Vdc, 250ma Power Output / POWER 2 - NEG
Red "+12 Vdc"	4A-P20 Attic - ^ Dining Rm: Temperature (Power)	"General 12 Vdc Power Distribution" 4	Power Dist Module, 12Vdc, 250ma Power Output / POWER 2 - POS
White "Signal"	4A-S20 Attic - ^ Dining Rm: Temperature (Signal)	----- 1	M1 Gold Main Module Input / Z9
Green "Signal Reference"	4A-S20 Attic - ^ Dining Rm: Temperature (Signal)	----- 1	M1 Gold Main Module Input / NEG