

[illegible]

Fire Alarm Wire Legend

Device Designation Legend



Current Draws for Fire Communicator					
DualConNF-LV					
Device	Device Standby Current	Device Alarm Current	Quantity	Total Standby Draw	Total Alarm Draw
DualConNF-LV	0.03	0.082	1	0.03 0 0 0 0 0	0.082 0 0 0 0 0
				Total Battery Calculation Standby:	0.720
				Alarm Current Min:	0.007
				Total Battery Calculation Standby:	0.720
				Alarm Current:	0.082
				Battery as Required	9.909
				Batteries Supplied (Min)	
				Standby Hours	24

Voltage drop Calculations & Current Draws for NACP #2														
PSN-106														
		Circuit #7		Circuit #8		Circuit #9		Circuit #10		Circuit #11		Circuit #12		
Device	Current Draw	Quantity	Total Current	Quantity	Total Current	Quantity	Total Current	Quantity	Total Current	Quantity	Total Current	Quantity	Total Current	
C0224TR	0.040	7	0.28	5	0.2	6	0.24				0		0	
Current for Circuit			0.28		0.24		0.24				0		0	
Wire Length Ft for Circuit			200		245		220						0	
Max Wire Run Distance for AWG			2239		3136		2012							
Actual Voltage Drop for Circuit			0.357		0.313		0.337							
Max Volt Drop for Circuit			4.400		4.400		4.400			4.400		4.400	4.400	
Device	Device Standby Current	Quantity	Total Standby	Device Alarm Draw	Max Circuit Alrms	Wire Size	Alarm Mins	Max Panel Alrms						
PSN-106	0.06	0.2	1	0.06	0.2	3	14	5	8					
			0	0	0									
			0	0	0									
			0	0	0									
												Standby Hours	24	
Power Supply Min Voltage												20.400	Total Battery Calculation Standby	1.440
Device Min Operating Voltage												16.000	Alarm Current Min	0.076
												Alarm Current	0.920	
												Battery size Required	1.850	
												Batteries Supplied (NH)	7	

NOTES:

1. ALL U.L. LISTED SYSTEMS SHOWN ABOVE ARE BASED ON PROVIDING A 1 & 2 HOUR RATED FIRESTOP WHERE 3 HOUR RATING IS REQUIRED, CONTACT FIRESTOP PRODUCT MANUFACTURER FOR DESIGN MODIFICATIONS.
2. ALL U.L. LISTED SYSTEMS SHOWN ABOVE ARE BASED ON "SpecSeal Firestop" PRODUCTS FROM SPECIFIED TECHNOLOGIES, INC. OR APPROVED EQUAL PRODUCTS FROM "3-M" OR HILTI, INC.
3. THESE PLANS ARE DIAGRAMATIC IN NATURE. FINAL INSTALLATION WILL BE SHOWN ON AS-BUILT DRAWINGS.

PLAN TYPE:

BC ENGINEERS
INCORPORATED

5720 Reeder Shawnee, Ks. 66203 (913)262-1772



17020 E. 40 Hwy. Ste 1
Independence, MO 64055
Office: (816) 709-3358

Midwest Alarm

Services
9745 Widmer Rd
Lenexa, KS 66211
913-677-5771

The Learning

Experience

Lees Summit, MO 64082

5/6/2024



NO	REVISION	DATE
1	Pull Station Add	05/03/2024 JES

DATE: 04/05/2024

LAYOUT BY:
DANIEL HEBBLETHWAITE, ET

SCALE: 1/8" = 1'-0"

FA-1

of
FA-1

MISSOURI PE COA #2009003629

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