CITY OF PORTLAND, MAINE
REVIEWED FOR CODE COMPLIANCE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 03/29/16

Altronix NAC Power Extender Battery Calculator

NAC Power Extender: AL802ULADA

Output Voltage: 24VDC
Maximum Available Current: 8A
Maximum Available NAC Current Per Circuit: 2.5A
Maximum Available Aux Current: 1A

			Load per Device		Total Device Load	
Device Type	**Device Name**	**Quantity**	**Stand-By**	**Alarm**	**Stand-By**	**Alarm**
	AL802ULADA	1			0.09A	0.175A
Notification Appliances						
NAC1						
Notif. Appliance	Circuit #1 Level 3	6		.107 A		0.642 A
NAC2						
Notif. Appliance	Circuit #2 Level 2	7		.107 A		0.749 A
NAC3						
Notif. Appliance	Circuit #3 Level #1/Ground Level B	11		.107 A		1.177 A
NAC4						
Notif. Appliance	Circuit #4 Ground Level A	13		.106 A		1.378 A
Auxiliary Devices						
Aux Output (total auxiliary current draw must not exceed 1mA)						
Auxiliary Device		0	0.000 A	0.000 A	0 A	0 A
				Total System Load:	0.09A	4.1209999999999995A
Calculation Results						
				Total Stand-By Amp Hours:	2.160AH	
				Total Alarm Amp Hours:	0.343AH	
				Minimum battery size required:	3.004AH	

Minimum allowable battery power rating is 7 AH

Units are capable of recharging 40AH battery max. If total ampere - hour required exceeds 40AH, decrease AUX current to provide enough stand-by time for the application.

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