SILENT KNIGHT

5700 Calculations
Version 02.24.09

Global Project Values:

Project Name:	Evergreen Cemetery	Standby Hours:	24
Project ID:		Alarm Mins:	5
Prepared By:	Steven Lavigne	Derating Factor:	1.2
Date:	10/16/2013	Voltage Drop Warning Threshold % :	10

Panel ID: 5700 Model: 5700 Add. Fire Alarm Control Panel Max NAC Current: 2.5 Amps

Location: 672 Stevens Ave Portland, Me 04 Volts: 24 VDC Max Panel Current: 2.5 Amps

Ckt.#	Circuit Name	Qty	Current Draw Standby	Current Draw Alarm	Wire AWG & Type	Ohms Per 1000 Ft.	Length(ft) One-Way	Actual Ohms	Volts @ EOL	%Drop
5700	5700 CTRL Panel	1	0.200	0.325	N/A					
SD500-AIM	Addr. Input Mod	1	0.001	0.001						
SD500-MIM	Mini-Input Module		0.000	0.000						
SD500-ARM	Addr. Relay Module		0.000	0.000						
SD500-PS	Addr. Pull Station	3	0.002	0.002						
SD505-AIS	Addr. Ion Smoke Det		0.000	0.000						
SD505-AHS	Addr. Heat Detector	2	0.001	0.001						
SD505-APS	Addr. Photo Smoke Det	6	0.003	0.003						
SD505-DUCTR	Addr. Duct w/Relay		0.000	0.000						
SD505-DUCT	Addr. Duct		0.000	0.000						
SD500-ANM	Addr. Notification Module		0.000	0.000						
SD500-LED	Addr. LED Module		0.000	0.000						
SD500-SDM	Addr. Smoke Det. Mod.		0.000	0.000						
SD505-6RB	Addr. Det. Relay Base		0.000	0.000						
SD505-6SB	Addr. Det. Sounder Base		0.000	0.000						
SD505-6IB	Addr. Det. Isolator Base		0.000	0.000						
SD500-LIM	Line Isolation Module		0.000	0.000						
5860	LCD Remote Annunc	1	0.020	0.025						
5824	Serial/Parallel Module		0.000	0.000						
5496	Power Expander		0.000	0.000						
5895XL	Power Expander		0.000	0.000						
5865-4	LED Annunciator (4G)		0.000	0.000						
5865-3	LED Annunciator (3G)		0.000	0.000						
5880	LED Driver Module		0.000	0.000						
5883	Relay Module		0.000	0.000						
NAC #1	Notification Appl Circuit		0.000	0.418	#14 Solid	2.52		0.00	20.40	0.00%
NAC #2	Notification Appl Circuit		0.000	0.201	#14 Solid	2.52		0.00	20.40	0.00%
	Total Standby Current (Amps)		0.227	0.976	Total Alarm Current (Amps)					
	Standby Time In Hours		24	0.083	Alarm Time In Minutes / 60		(5 Mins)			
	Total Standby AH Required		5.438	0.081	Total Alarm AH Required					

Total Combined AH Required	5.52
Multiply By The Derating Factor	1.20
Minimum Battery AmpHours Required	**6.62**

Command Shortcuts

Configure Circuits

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