

**EST3X Addressable Fire Alarm System  
 Jewish Community Alliance of Southern Maine  
 Portland, Maine**

**BATTERY STANDBY CALCULATIONS**

QTY	Model #	Description	Quiescent Current	Alarm Current	Total Quiescent	Total Alarm	
1	SFS1-CPU	Includes CPU, Power Supply, LCD, and 1 SLC	0.383000	0.528000	0.383000	0.528000 Amp	
1	4X-12/S1RY	Switch / Dual LED Module (12 Active LEDs)	0.002000	0.020000	0.002000	0.020000 Amp	
1	3-MODCOM	Modem Communicator	0.060000	0.095000	0.060000	0.095000 Amp	
1	3X-PMI	Paging Microphone Interface	0.023000	0.029000	0.023000	0.029000 Amp	
2	3-ZA40A	40 Watt Zoned Amplifier	0.062000	2.480000	0.124000	4.960000 Amp	
7	G4HFRF-S7VMC	Speaker Strobe - 75 cd	0.000000	0.153000	0.000000	1.071000 Amp	
16	G1RF-VM	Strobe Only - 75 cd	0.000000	0.152000	0.000000	2.432000 Amp	
					<b>Total</b>	<b>0.592</b>	<b>5.632</b> Amp
					Total Quiescent x Time Required (60 Hours):	<b>35.52</b>	Ah
					Total Alarm x Time Required (15 Minutes):		<b>1.408</b> Ah
					<b>Total Battery Required:</b>		<b>36.928</b> Ah
					<b>Total Battery Required (+) 25% Spare Capacity:</b>		<b>46.16</b> Ah
					<b>Battery Supplied:</b>		<b>50</b> Ah

\* Fully Loaded w/250 Devices