

**iO500 Addressable Fire Alarm System**  
**IRIS Network**  
**Portland, ME**

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**BATTERY STANDBY CALCULATIONS - Fire Alarm Control Panel**

QTY	Model #	Description	Quiescent Current	Alarm Current	Total Quiescent	Total Alarm
1	iO500	Base Panel	0.172000 *	0.267000 *	0.172000	0.267000 Amp
1	SA-232	Serial Communications Card	0.013000	0.020000	0.013000	0.020000 Amp
1	SA-DACT	Digital Communicator	0.041000	0.410000	0.041000	0.410000 Amp
1	RLCD/C	Remote Annunciator	0.099000	0.115000	0.099000	0.115000 Amp
14	G1RF-VM	Strobe only Unit (15/75 candela)	0.000000	0.123000	0.000000	1.722000 Amp
7	G1RF-HDVM	Horn/Strobe Unit (15 candela)	0.000000	0.088000	0.000000	0.616000 Amp
1	G1RF-HDVM	Horn/Strobe Unit (30 candela)	0.000000	0.109000	0.000000	0.109000 Amp
7	G1RF-HDVM	Horn/Strobe Unit (30 candela)	0.000000	0.193000	0.000000	1.351000 Amp
5	G1RF-VM	Strobe Unit (15 candela)	0.000000	0.071000	0.000000	0.355000 Amp
1	495S-1280R	Exterior Strobe Beacon	0.000000	0.350000	0.000000	0.350000 Amp
<b>Total</b>					<b>0.325</b>	<b>5.315 Amp</b>

Total Quiescent x Time Required (24 Hours): **7.8** Ah  
 Total Alarm x Time Required (5 Minutes): **0.4429167** Ah  
**Total Battery Required: 8.2429167 Ah**  
**Total Battery Required (+) 20% Spare Capacity: 9.8915 Ah**

\* Includes (2) Fully loaded SLC loops (250 devices)  
 Actual load = 36 devices (85.6% spare capacity)

**Battery Supplied: 18 Ah**