

**iO1000RD Addressable Fire Alarm System
 Fine Arts Gallery
 University of New England
 Portland, ME**

BATTERY STANDBY CALCULATIONS (Existing Fire Alarm Panel)

QTY	Model #	Description	Quiescent Current	Alarm Current	Total Quiescent	Total Alarm		
1	iO1000RD	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 Dialer	0.041000	0.041000	0.041000	0.041000	Amp	
1	RLCD-CR	Remote Annunciator	0.099000	0.115000	0.099000	0.115000	Amp	
1	495S-1280R	Exterior Beacon	0.000000	0.350000	0.000000	0.350000	Amp	
2	G1F-HDVM	Horn Strobe - 15cd	0.000000	0.081000	0.000000	0.162000	Amp	
1	G1F-HDVM	Horn Strobe - 30cd	0.000000	0.094000	0.000000	0.094000	Amp	
1	G1F-HDVM	Horn Strobe - 110cd	0.000000	0.203000	0.000000	0.203000	Amp	
2	GCF-HDVM	Horn Strobe Ceiling - 95cd	0.000000	0.207000	0.000000	0.414000	Amp	
1	G1F-VM	Strobe Only - 15cd	0.000000	0.059000	0.000000	0.059000	Amp	
2	757-8A-T	Weatherproof Horn Strobe	0.000000	0.180000	0.000000	0.360000	Amp	
					Total	0.325000	2.085000	Amp
					Total Quiescent x Time Required (24 Hours):	7.8		Ah
					Total Alarm x Time Required (15 Minutes):		0.52125	Ah
					Total Battery Required:		8.32125	Ah
					Total Battery Required + 25%:		10.402	Ah
					Battery Supplied:		18	Ah

* Fully Loaded (250 devices)