

**iO500 Addressable Fire Alarm System
King's Head Tenant Fit Up
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	SLC1	Primary Loop Circuit	0.055000 *	0.125000 *	0.055000	0.125000 Amp
1	SLC2	XAL250 Loop Expander	0.060000 **	0.125000 **	0.060000	0.125000 Amp
1	SA-CLA	NAC Class 'A' Adapter	0.003000	0.060000	0.003000	0.060000 Amp
80	SIGA2-PS	Addressable Smoke Detector	0.000045	0.000045	0.003600	0.003600 Amp
Total					0.3066	0.6006 Amp
Total Quiescent x Time Required (24 Hours):					7.3584	Ah
Total Alarm x Time Required (15 Minutes):						0.15015 Ah
Total Battery Required:						7.50855 Ah
Total Battery Required (+) 20% Spare Capacity:						9.01026 Ah

Battery Supplied: 18 Ah

* Currents shown are for fully loaded loop (129 Actual = 48.4% Spare Capacity)

** Currents shown are for fully loaded loop (93 Actual = 62.8% Spare Capacity)