

**iO500RD Addressable Fire Alarm System
Luminato
Portland, Maine**

BATTERY STANDBY CALCULATIONS - Fire Alarm Control Panel

QTY	Model #	Description	Quiescent Current	Alarm Current	Total Quiescent	Total Alarm
1	iO500RD	Base Panel *	0.171001	0.267000	0.171001	0.267000 Amp
1	SA-232	Serial Communications Card	0.013000	0.013000	0.013000	0.013000 Amp
1	SA-DACT	Two Line Dialer	0.041000	0.041000	0.041000	0.041000 Amp
1	RLCD-CR	Remote Annunciator w/ Controls	0.099000	0.115000	0.099000	0.115000 Amp
8	CO1224T	Carbon Monoxide Detector	0.020000	0.040000	0.160000	0.320000 Amp
1	G1F-VM	Strobe Unit - 110cd	0.000000	0.191000	0.000000	0.191000 Amp
6	G1F-HDVM	Horn Strobe Unit - 15cd	0.000000	0.088000	0.000000	0.528000 Amp
1	G1F-HDVM	Horn Strobe Unit - 30cd	0.000000	0.109000	0.000000	0.109000 Amp
2	G1F-HDVM	Horn Strobe Unit - 75cd	0.000000	0.193000	0.000000	0.386000 Amp
8	G1F-HDVM	Horn Strobe Unit - 110cd	0.000000	0.203000	0.000000	1.624000 Amp
16	G4LFWF-H	Low Frequency Horn Unit	0.000000	0.112000	0.000000	1.792000 Amp

0.484001 5.386000

* Based on a fully loaded loop of 250 devices.

Total Quiescent x Time Required (24 Hours): **11.616012** Ah

Total Alarm x Time Required (15 Minutes): **1.3465** Ah

Total Battery Required: 12.962512 Ah

Total Battery Required (+) 20% Spare Capacity: 15.555014 Ah

Battery Supplied: 18 Ah

Actual Devices: 99 ((60% Spare)

