

**iO1000RD Addressable Fire Alarm System**  
**Linnell Hall**  
**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	495S-1280R	Exterior Beacon	0.000000	0.350000	0.000000	0.350000	Amp	
					0.000000	0.000000	Amp	
					<b>Total</b>	<b>0.226000</b>	<b>0.678000</b>	<b>Amp</b>
Total Quiescent x Time Required (24 Hours):					<b>5.424</b>		<b>Ah</b>	
Total Alarm x Time Required (15 Minutes):						<b>0.1695</b>	<b>Ah</b>	
Total Battery Required:						<b>5.5935</b>	<b>Ah</b>	
Total Battery Required + 25%:						<b>6.992</b>	<b>Ah</b>	
<b>Battery Supplied:</b>						<b>7.2</b>	<b>Ah</b>	

\* Fully Loaded (250 devices)