

**iO500 Addressable Fire Alarm System  
 Alumni Hall  
 UNE Portland**

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

QTY	Model #	Description	Quiescent Current	Alarm Current	Total Quiescent	Total Alarm
1	iO500RD	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
					<b>Total</b>	<b>0.226      0.328 Amp</b>
*Based on fully loaded circuits					Total Quiescent x Time Required (24 Hours):	<b>5.424</b> Ah
					Total Alarm x Time Required (15 Minutes):	<b>0.082</b> Ah
					<b>Total Battery Required:</b>	<b>5.506 Ah</b>
					<b>Total Battery Required (+) 20% Spare Capacity:</b>	<b>6.6072 Ah</b>
					<b>Battery Supplied:</b>	<b>18 Ah</b>