

**EST3 Addressable Fire Alarm System
Hersey Hall
UNE Portland**

BATTERY STANDBY CALCULATIONS - Fire Command Center

QTY	Model #	Description	Quiescent Current	Alarm Current	Total Quiescent	Total Alarm
1	3-CPU3*	Central Processing Unit	0.155000 *	0.165000 *	0.155000	0.165000 Amp
1	3-RS485A	Network Communications Card, Class A	0.098000	0.098000	0.098000	0.098000 Amp
1	3-LCD	Liquid Crystal Display	0.040000	0.042000	0.040000	0.042000 Amp
1	3-12/S1RY	Switch / Dual LED Module	0.002000	0.001500	0.002000	0.001500 Amp
2	3-SSDC1**	Addressable Single Loop Line Card (Fully Loaded)	0.144000 **	0.204000 **	0.288000	0.408000 Amp
1	3-LCDANN	Remote Annunicator	0.144000	0.144000	0.144000	0.144000 Amp
					Total	0.583 0.7145 Amp

Total Quiescent x Time Required (24 Hours):	13.992	Ah
Total Alarm x Time Required (5 Minutes):	0.0595417	Ah
Total Battery Required:	14.051542	Ah
Total Battery Required (+) 20% Spare Capacity:	16.86185	Ah
Battery Supplied:	18	Ah

* Includes power supply monitoring module.

** Fully loaded w/ 250 devices