

**EST3 Addressable Fire Alarm System
Coleman 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-MODCOM	Digital Communicator	0.060000	0.095000	0.060000	0.095000 Amp
1	3-12/S1RY	Switch / Dual LED Module	0.002000	0.001500	0.002000	0.001500 Amp
1	495S-1280R	Exterior Beacon	0.000000	0.035000	0.000000	0.035000 Amp
1	3-SSDC1**	Addressable Single Loop Line Card (Fully Loaded)	0.144000 **	0.204000 **	0.144000	0.204000 Amp
Total					0.499	0.6405 Amp

Total Quiescent x Time Required (24 Hours): **11.976** Ah
 Total Alarm x Time Required (5 Minutes): **0.053375** Ah
Total Battery Required: 12.029375 Ah
Total Battery Required (+) 20% Spare Capacity: 14.43525 Ah
Battery Supplied: 18 Ah

* Includes power supply monitoring module.

** Fully loaded w/ 250 devices