

iO500 Addressable Fire Alarm System
Abplanalp Library
UNE Portland

BATTERY STANDBY CALCULATIONS - Fire Alarm Control Panel

QTY	Model #	Description	Quiescent Current	Alarm Current	Total Quiescent	Total Alarm
1	iO500RD (EXISTING)	Base Panel **	0.172000 *	0.267000 *	0.172000	0.267000 Amp
1	RLCD-C	Remote Annunciator w/ Controls (EXISTING)	0.099000	0.115000	0.099000	0.115000 Amp
1	RLCD-C	Remote Annunciator w/ Controls	0.099000	0.115000	0.099000	0.115000 Amp
1	XAL250	Loop Expander Card **	0.060000 *	0.125000 *	0.060000	0.125000 Amp
1	SA-232	Serial Communications Card (EXISTING)	0.013000	0.020000	0.013000	0.020000 Amp
1	SA-DACT	Digital Dialer (EXISTING)	0.041000	0.041000	0.041000	0.041000 Amp
1	SA-232	Serial Communications Card (EXISTING)	0.013000	0.020000	0.013000	0.020000 Amp
1	495S-1280R	Exterior Beacon (EXISTING)	0.000000	0.350000 *	0.000000	0.350000 Amp
1	495S-1280R	Exterior Beacon	0.000000	0.350000 *	0.000000	0.350000 Amp
Total					0.497000	1.403000 Amp
*Based on fully loaded circuits					Total Quiescent x Time Required (24 Hours):	11.928 Ah
					Total Alarm x Time Required (15 Minutes):	0.35075 Ah
					Total Battery Required:	12.27875 Ah
					Total Battery Required (+) 20% Spare Capacity:	14.7345 Ah
					EXISTING BATTERIES TO REMAIN:	18 Ah