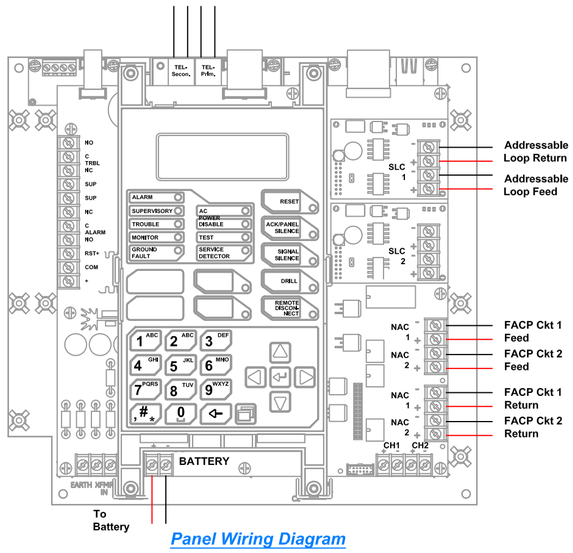

Panel Wiring Diagram

iO500 Addressable Fire Alarm System
IRIS Network
Portland, ME

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BATTERY STANDBY CALCULATIONS - Fire Alarm Control Panel

QTY	Model #	Description	Quiescent Current	Alarm Current	Total Quiescent	Total Alarm
1	iO500	Base Panel	0.172000 *	0.297000 *	0.172000	0.297000 Amp
1	8A-232	Serial Communications Card	0.013000	0.020000	0.013000	0.020000 Amp
1	8A-DACT	Digital Communicator	0.041000	0.410000	0.041000	0.410000 Amp
1	RLCC/O	Remote Annunciator	0.099000	0.119000	0.099000	0.119000 Amp
14	G1RF-VM	Strobe only Unit (1to15 candela)	0.000000	0.139000	0.000000	1.199000 Amp
7	G1RF-HDVM	Horn/Strobe Unit (1 to15 candela)	0.000000	0.039000	0.000000	0.319000 Amp
1	G1RF-HDVM	Horn/Strobe Unit (30 candela)	0.000000	0.139000	0.000000	0.109000 Amp
7	G1RF-HDVM	Horn/Strobe Unit (30 candela)	0.000000	0.139000	0.000000	1.391000 Amp
8	D1RF-VM	Strobe Unit (15 candela)	0.000000	0.071000	0.000000	0.568000 Amp
1	4098-1280R	Exterior Strobe Beacon	0.000000	0.380000	0.000000	0.380000 Amp
				Total	0.325	3.319 Amp

Total Quiescent x Time Required (24 Hours):	7.8	Ah
Total Alarm x Time Required (5 Minutes):		0.4431167 Ah
Total Battery Required:		8.2431167 Ah
Total Battery Required (+) 20% Spare Capacity:		9.8915 Ah
Battery Supplied:		12 Ah

* Includes (1) Fully loaded SLC loops (250 devices)
Actual load = 38 devices (20.0% loop capacity)

IRIS Network - Portland
Booster Power Supply Standby Battery Calculations

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| Simplex Booster Panel (BPS10A) | | | |