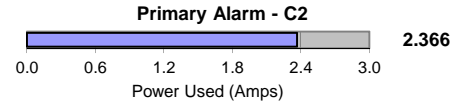
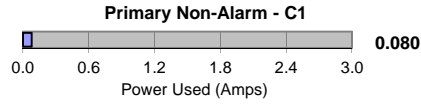


System Current Draw - NFW2-100

Current Draw	
C1	0.080 A
C2	2.366 A
C3	0.203 A
C4	2.641 A



Device	C1 - Primary Non-Alarm				C2 - Primary Alarm				C3 - Secondary Non-Alarm					
	Qty		Draw	Total	Qty		Draw	Total	Qty		Draw	Total		
Main Circuit Board	1	x	0.00000	0.00000	1	x	0.00000	0.00000	1	x	0.14500	0.14500		
P2R15	2	x	0.00000	0.00000	2	x	0.09100	0.18200	2	x	0.00000	0.00000		
P2R30	7	x	0.00000	0.00000	7	x	0.11600	0.81200	7	x	0.00000	0.00000		
SR15	2	x	0.00000	0.00000	2	x	0.06600	0.13200	2	x	0.00000	0.00000		
N-ANN-80	1	x	0.03700	0.03700	1	x	0.04000	0.04000	1	x	0.01500	0.01500		
CO1224T	2	x	0.02000	0.04000					2	x	0.02000	0.04000		
NP-100	1	x	0.00030	0.00030					1	x	0.00030	0.00030		
NMM-100P	6	x	0.000375	0.00225					6	x	0.000375	0.00225		
NOT-BG12LX	3	x	0.00023	0.00069					3	x	0.00023	0.00069		
Max Alarm Draw - All Addressable Devices					1	x	0.40000	0.40000						
48FINRG12	1	x	0.00000	0.00000	1	x	0.80000	0.80000	1	x	0.00000	0.00000		
Total Non-Alarm Load:				0.080	Total Alarm Load:				2.366	Total Standby Load:				0.203

System Power Requirements

NFW2-100 Fire Alarm Control Panel

Protected Premises: <u>919 Congress Street</u>	Date: <u>5/16/2013</u>
Address: <u>919 Congress Street</u>	
City: <u>Portland</u> State: <u>Maine</u>	Zip: _____
Prepared By: <u>Norris Inc</u> Phone: _____	
Address: <u>2257 West Broadway</u>	Email: _____
City: <u>South Portland</u> State: <u>Maine</u>	Zip: <u>04106</u>

AC Branch Current Requirements 3.00 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Primary Standby Load 0.08 Amps

Current load on the primary power supply during **non-alarm** conditions.

Primary Alarm Load 2.37 Amps

Current load on the primary power supply during **alarm** conditions.

Secondary Load Requirements 6.65 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load 0.203 A	x	Required Standby Time	
		24 hours	4.88
Secondary Alarm Load 2.641 A	x	Required Alarm Time (hours)	
		0.250 hours	0.66
Total Secondary Load			5.54
Derating factor			x 1.2
Secondary Load Requirements			6.65 AH

Battery Selection 7 Amp Hours

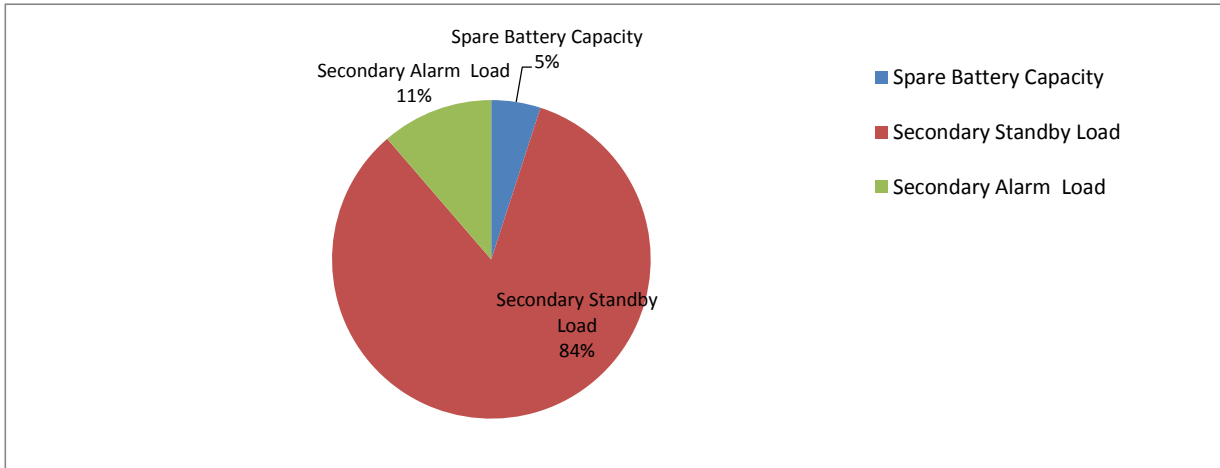
Select batteries from the list below.

7 AH BAT-1270 Battery (12 volt)

- Two Four (two 12VDC sets in parallel)

Battery Distribution Chart

Shows amp-hour distribution of your selections.



Comments

1. Batteries will fit in the FACP cabinet.
2. Selected battery size meets secondary load requirements.
3. The selected batteries (7AH) are within the charger range of this power supply (7-18AH).

Spare Battery Capacity	0.35	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	5.85	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	0.79	Secondary Alarm Load (AH) * Derating Factor