NOTIFIER®			
	Protected Premis		

System Power Requirements

Notifier NFS2-640 Fire Alarm Control Panel

Protected Pre	Date: 7/8/2013		
Address:			
City:	Portland	State: Maine	Zip:
Prepared By:	BK Systems, Inc.		Phone: 603-647-8775
Address:	4 Cote Avenue	Email:	
City:	Goffstown	State: New Hampshire	Zip: 03045

AC Branch Current Requirements

5.00 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Primary Standby Load

1.18 Amps

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

Primary Alarm Load

1.55 Amps

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

Secondary Load Requirements

35.44

Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load		Required Standby Time	
1.219 A	X	24 hours	29.27
Secondary Alarm Load		Required Alarm Time	
1.590 A	X	0.167 hours	0.27
Total Secondary Load 29.53			29.53
Derating factor x 1.2			
Secondary Load Requirements (Amp Hours) 35.44			

Battery Selection

55 Amp Hours

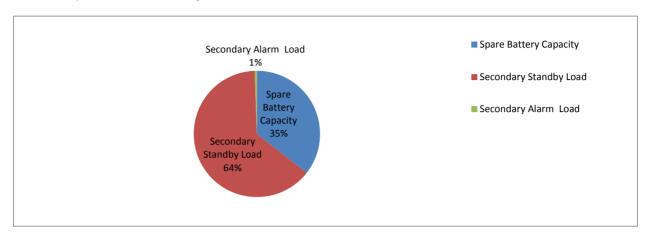
Select batteries from the list below.

55 AH BAT-12550 Battery (12 volt)

● Two ● Four (two 12VDC sets in parallel)

Battery Distribution Chart

Shows amp-hour distribution of your selections.



Comments

- 1. Battery size exceeds FACP capacity. BB-55 or other external battery box
- 2. Selected battery size meets secondary load requirements.
- 3. The selected batteries (55AH) are within the charger range of this power supply (18-200AH).

Spare Battery Capacity	19.56	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	35.12	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	0.32	Secondary Alarm Load (AH) * Derating Factor



Device Current Draw

NFS2-640 Fire Alarm Control Panel

Quantity x [device current draw] = total current draw per device (in amps)

Qty	Primary Non-Alarm	Primary Alarm	Secondary Non-Alarm
1	x [0.25000] = 0.25000	x [0.25000] = 0.25000	x [0.25000] = 0.25000
1	x [0.00000] = 0.00000	x [0.00000] = 0.00000	x [0.04000] = 0.04000
1	x [0.40000] = 0.40000	x [0.40000] = 0.40000	x [0.40000] = 0.40000
2	x [0.00000] = 0.00000	x [0.00000] = 0.00000	x [0.00000] = 0.00000
2	x [0.00000] = 0.00000	x [0.00000] = 0.00000	x [0.00000] =
1	x [0.44000] = 0.44000	x [0.44000] = 0.44000	x [0.44000] = 0.44000
1	x [0.06000] = 0.06000	x [0.06000] = 0.06000	x [0.06000] = 0.06000
17	x [0.00038] = 0.00638	x [0.00000] = 0.00000	x [0.00038] = 0.00638
34	x [0.00030] = 0.01020	x [0.00000] = 0.00000	x [0.00030] = 0.01020
26	x [0.00030] = 0.00780	x [0.00000] = 0.00000	x [0.00030] = 0.00780
1	x [0.00000] = 0.00000	x [0.00000] = 0.00000	x [0.00000] = 0.00000
1	x [0.00030] = 0.00030	x [0.00000] = 0.00000	x [0.00030] = 0.00030
1	x [0.00000] = 0.00000	x [0.00000] = 0.00000	x [0.00000] = 0.00000
5	x [0.00035] = 0.00175	x [0.00000] = 0.00000	x [0.00035] = 0.00175
2	x [0.00035] = 0.00070	x [0.00000] = 0.00000	x [0.00035] = 0.00070
9	x [0.00026] = 0.00230	x [0.00000] = 0.00000	x [0.00026] = 0.00230
1	x [0.00000] = 0.00000	x [0.40000] = 0.40000	x [0.00000] = 0.00000
oroc):	1 1704 A	1 5500 A	1.2194 A
	1 1 1 2 2 1 1 17 34 26 1 1 1 5	1 x [0.25000] = 0.25000 1 x [0.00000] = 0.00000 1 x [0.40000] = 0.40000 2 x [0.00000] = 0.00000 2 x [0.00000] = 0.00000 1 x [0.44000] = 0.44000 1 x [0.06000] = 0.06000 17 x [0.00038] = 0.00638 34 x [0.00030] = 0.01020 26 x [0.00030] = 0.00780 1 x [0.00000] = 0.00000 1 x [0.00030] = 0.00030 1 x [0.00035] = 0.00070 5 x [0.00035] = 0.00070 9 x [0.00026] = 0.00230 1 x [0.00000] = 0.00000	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

Part Number	Qty	Secondary Alarm
Total Primary Alarm Load - C2	1	x [1.55000] = 1.55000
CPS-24	1	x [0.04000] = 0.04000
Total (Amperes):		1.5900 A