NOTIFIER by Honeywell

System Current Draw - NFW2-100

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 06/19/13

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

	C1 - Primary Non-Alarm				C2 - Primary Alarm				C3 - Secondary Non-Alarm			
Device	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

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System Power Requirements

NFW2-100 Fire Alarm Control Panel

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Protected Premises: 919 Congress Street Date: 5

Address: 919 Congress Street

City: Portland State: Maine Zip:

Prepared By: Norris Inc Phone:

Address: 2257 West Broadway Email:

City: South Portland State: Maine Zip: 04106

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)

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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