NOTIFIER by Honeywell

System Power Requirements

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 09/20/17

NFW2-100 Fire Alarm Control Panel

Protected Premises: Retail Center Date: 8/2/2017
Address: 191 Marginal Way
City: Portland State: ME Zip: 04101

Prepared By: Norris Inc Phone: 207-883-3473
Address: 2257 Broadway Email:
City: South Portland State: ME Zip: 04106

AC Branch Current Requirements

3.00 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Primary Standby Load

0.06 Amps

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

Primary Alarm Load

2.54 Amps

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

Secondary Load Requirements

6.09 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load 0.202 A	x	Required Standby Time 24 hours	4.84
Secondary Alarm Load 2.819 A	x	Required Alarm Time (hours) 0.084 hours	0.24
		Total Secondary Load	5.08
		Derating factor	x 1.2
		Secondary Load Requirements	**6.09** AH

Battery Selection

12 Amp Hours

Select batteries from the list below.

12 AH BAT-12120 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 (12AH) are within the charger range of this power supply (7-18AH).

Spare Battery Capacity	5.91	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	5.81	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	0.28	Secondary Alarm Load (AH) * Derating Factor