NOTIFIER by Honeywell

System Power Requirements

Notifier NFS-320 Fire Alarm Control Panel

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 05/06/15

Protected Premises: USM Portland Campus
Address: Central Heat Plant
City: Portland State: ME Zip: 04102

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

AC Branch Current Requirements

5.00 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Primary Standby Load

0.42 Amps

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

Primary Alarm Load

1.66 Amps

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

Secondary Load Requirements

13.31 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load 0.456 A	x	Required Standby Time 24 hours	10.95
Secondary Alarm Load 1.701 A	x	Required Alarm Time (hours) 0.084 hours	0.14
		Total Secondary Load	11.09
		Derating factor	x 1.2
		Secondary Load Requirements (Amp Hours)	**13.31** AH

Battery Selection

18 Amp Hours

Select batteries from the list below.

18 AH BAT-12180 Battery (12 volt)

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

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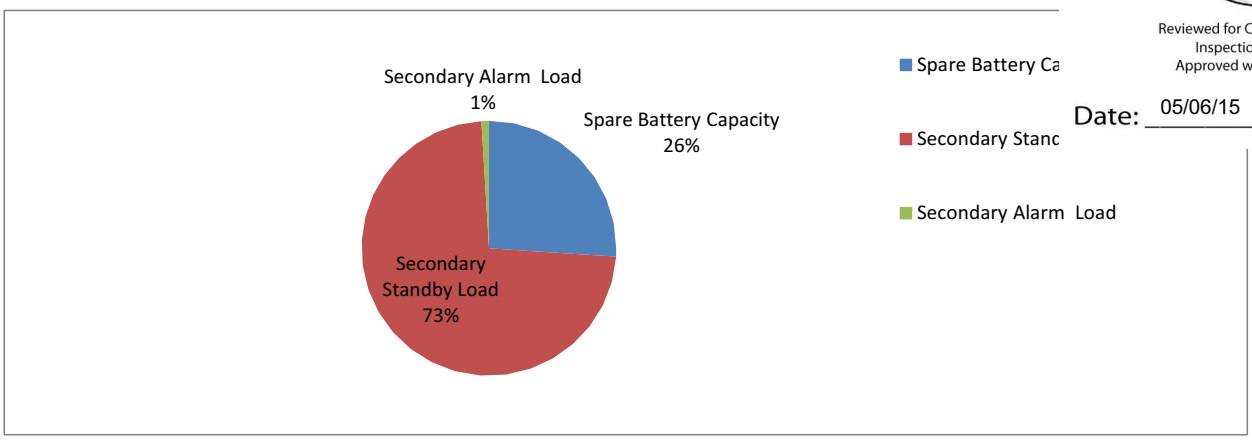
Battery Distribution Chart

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 (18AH) are within the charger range of this power supply (18-200AH).

Spare Battery Capacity	4.69	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	13.14	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	0.17	Secondary Alarm Load (AH) * Derating Factor