## NOTIFIER® by Honeywell

# System Power Requirements

## NFW2-100 Fire Alarm Control Panel

Protected Premises: Life Storage                    Date: 11/22/2017
Address:        235 Presumpscot Street
City:           Portland            State: Maine            Zip: 04103

Prepared By: Norris Inc                        Phone: 207-274-3619
Address:      2257 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**    | **0.06** | Amps

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

**Primary Alarm Load**    | **0.49** | Amps

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

**Secondary Load Requirements**    | **5.89** | 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** 0.762 A | x | Required Alarm Time (hours) 0.084 hours | 0.06 |
| | | Total Secondary Load | 4.90 |
| | | Derating factor | x 1.2 |
| | | **Secondary Load Requirements** | **5.89** AH |

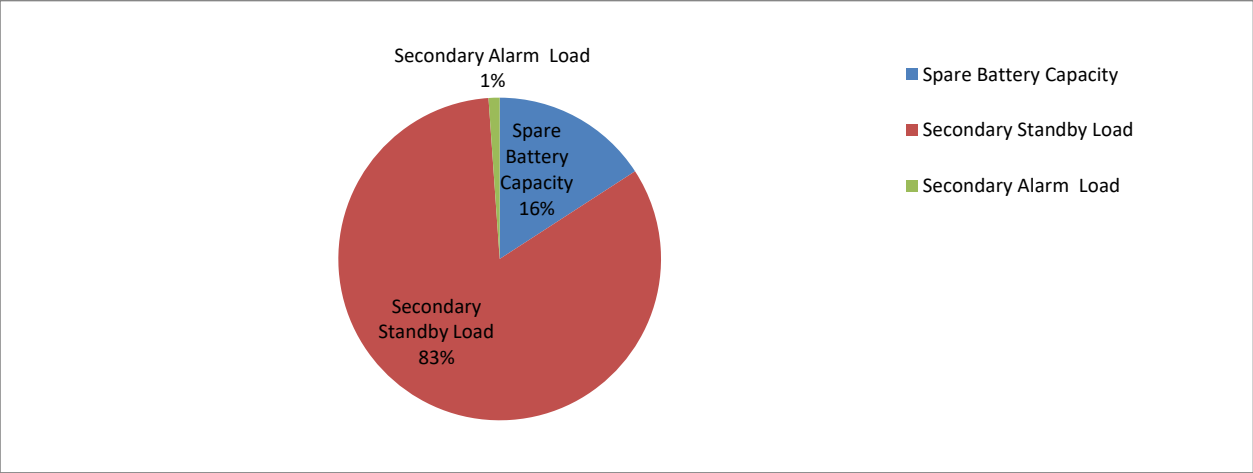**Battery Selection**    | **7** | Amp Hours

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.

Secondary Alarm  Load
1%

Spare
Battery
Capacity
16%

Secondary
Standby Load
83%

- Spare Battery Capacity
- Secondary Standby Load
- Secondary Alarm  Load

## 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 | 1.11 | Battery Selection (AH) - Secondary Load Requirements (AH) |
| Secondary Standby Load | 5.81 | Secondary Standby Load (AH) * Derating Factor |
| Secondary Alarm  Load | 0.08 | Secondary Alarm Load (AH) * Derating Factor |