

NFW2-100 Fire Alarm Control Panel

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|--|----------------------------|
| Protected Premises: <u>89 Anderson St</u> | Date: <u>12/30/2015</u> |
| Address: <u>89 Anderson Street</u> | |
| City: <u>Portland</u> State: <u>ME</u> | Zip: <u>04101</u> |
| Prepared By: <u>Norris Inc.</u> | Phone: <u>207-883-3473</u> |
| Address: <u>2257 Broadway</u> | Email: _____ |
| City: <u>South Portland</u> State: <u>ME</u> | Zip: <u>04106</u> |

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 0.52 Amps

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

Secondary Load Requirements 6.20 Amp Hours

Total Secondary Load from the calculation table below.

| Current Draw | | Time (hours) | Total (AH) |
|------------------------------------|---|-----------------------------|-------------|
| Secondary Standby Load | x | Required Standby Time | |
| 0.209 A | | 24 hours | 5.03 |
| Secondary Alarm Load | x | Required Alarm Time (hours) | |
| 0.816 A | | 0.167 hours | 0.14 |
| Total Secondary Load | | | 5.16 |
| Derating factor | | | x 1.2 |
| Secondary Load Requirements | | | 6.20 |

AH

Battery Selection 18 Amp Hours

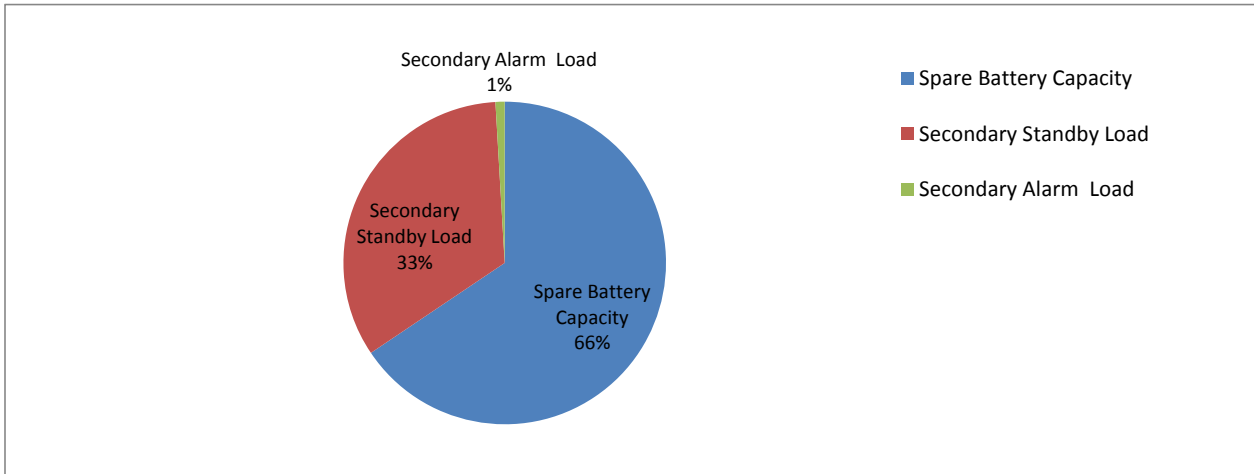
Select batteries from the list below.

18 AH BAT-12180 Battery (12 volt)

- Two
 Four (two 12VDC sets in parallel)

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 (7-18AH).

| | | |
|------------------------|-------|---|
| Spare Battery Capacity | 11.80 | Battery Selection (AH) - Secondary Load Requirements (AH) |
| Secondary Standby Load | 6.03 | Secondary Standby Load (AH) * Derating Factor |
| Secondary Alarm Load | 0.16 | Secondary Alarm Load (AH) * Derating Factor |