Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 07/29/13

Honeywell

Secondary Power Requirement

HPFF12 Power Supply Calculated at Maximum

Protected Premises: USM - Luther Bonney Building Date:
Address:
City: Portland State: Maine Zip:

Prepared By: BK Systems, Inc. Phone: 603-647-8775
Address: 4 Cote Avenue Email:
City: Goffstown State: New Hampshire Zip: 03045

Secondary Load Requirements

3.64 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load 0.075 A	x	Required Standby Time 24 hours	1.80
Secondary Alarm Load 7.406 A	x	Required Alarm Time (hours) 0.167 hours	1.24
		Total Secondary Load	3.04
		Derating factor	x 1.2
		Secondary Load Requirements	**3.64** AH

Battery Selection

7 Amp Hours

Select batteries from the list below.

7.0 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 (7-26AH).

Spare Battery Capacity	3.36	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	2.16	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	1.48	Secondary Alarm Load (AH) * Derating Factor