

Jobsite Information: **LOT 10 2601 McBaine Drive Lees Summit Mo**

## FCPS-24FS6 / 8 Battery Calculation

Entries only to be made in the Yellow cell locations

### Regulated Load in Standby

Device Type	Number of Devices		Current (Amps)		Total Current (Amps)
Main PC Board	1	X	0.065	=	0.065
Power Supervision Relays	0	X	0.025	=	0
Auxiliary Current Draw from TB4 Terminals 9 & 10	0	X		=	0
<b>STANDBY LOAD</b>					<b>= 0.065</b>

### Regulated Load in **ALARM**

Device Type	Number of Devices		Current (Amps)		Total Current (Amps)
Main PC Board without AC	1	X	0.145	=	0.145
Power Supervision Relays	0	X	0.025	=	0
Auxiliary Current Draw from TB4 Terminals 9 & 10	0	X	0	=	0
NAC / Output # 1 Wall H/S	5	X	0.08	=	0.4
NAC / Output # 2 Wall Strobe	4	X	0.077	=	0.308
NAC / Output # 3 CEILING MOUNT H/S	16	X	0.08	=	1.28
NAC / Output # 4		X		=	0
<b>ALARM LOAD</b>					<b>= 2.133</b>

### Battery Amp Hour Calculation

Standby Load Current (Amps)	0.065	X	Required Standby Time (Typically 24 or 60 Hours)	24	=	1.56 AH
Alarm Load Current (Amps)	2.133	X	Required Alarm Time (Typically 5 or 10 Minutes)	10	=	0.36 AH
Sub Total Standby / Alarm Amp Hours						1.92 AH
Multiply by the Derating Factor						X 1.2 *
<b>Total Ampere Hours Required</b>					<b>=</b>	<b>3 AH</b>

\* Derating Factor required to compensate for the non-linear discharge characteristic of a battery.