



FIRE-LITE ALARMS

# ACC-25/50DA(ZS) Battery Calculation

Note 1: You can edit all current draws and are fully responsible for verifying these calculations.

Note 2: You only need to make entries in the yellow cells

## Regulated Load in Standby

| Device Type   | Number of Devices |   | Current (Amps) |   | Total Current (Amps) |
|---|-------------------|---|----------------|---|----------------------|
| ACC-25/50DA consisting of: Main Circuit Board and one ACC-AAM25 Audio Amplifier   | 0                 | X | 0.2850         | = | 0.0000               |
| <b>or</b>   |                   |   |                |   |                      |
| ACC-25/50ZS consisting of: Main Circuit Board, one ACC-AAM25 Audio Amplifier, one ACC-ZPMK Zone Page Module, and one ACC-ZSM Zone Splitter Module | 0                 | X | 0.4400         | = | 0.0000               |
| ACC-AAM25 Audio Amplifier Module  | 0                 | X | 0.0650         | = | 0.0000               |
| FC-RM Remote Microphone with FC-MIM Microphone Interface Module   | 0                 | X | 0.0060         | = | 0.0000               |
| ACC-ZPM Zone Page Module  | 0                 | X | 0.0590         | = | 0.0000               |
| ACC-ZSM Zone Splitter Module  | 0                 | X | 0.0050         | = | 0.0000               |
| Additional Current drawn from TB9 Auxiliary Power Output (0.035 amps maximum)   |                   |   | 0.0000         | = | 0.0000               |
| <b>Total Standby Load</b>   |                   |   |                |   | <b>0.0000</b>        |



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## Regulated Load in ALARM

| Device Type   | Number of Devices |   | Current (Amps) |   | Total Current (Amps) |
|---|-------------------|---|----------------|---|----------------------|
| ACC-25/50 consisting of: Main Circuit Board and one ACC-AAM25 Audio Amplifier   | 0                 | X | 2.3850         | = | 0.0000               |
| or  |                   |   |                |   |                      |
| ACC-25/50ZS consisting of: Main Circuit Board, one ACC-AAM25 Audio Amplifier, one ACC-ZPMK Zone Page Module, and one ACC-ZSM Zone Splitter Module | 0                 | X | 2.5050         | = | 0.0000               |
| ACC-AAM25 Audio Amplifier Module (1 max)  | 0                 | X | 2.0000         | = | 0.0000               |
| FC-RM Remote Microphone with FC-MIM Microphone Interface Module (1 max)   | 0                 | X | 0.0300         | = | 0.0000               |
| ACC-ZPMK Zone Page Module   | 0                 | X | 0.0590         | = | 0.0000               |
| ACC-ZSM Zone Splitter Module  | 0                 | X | 0.0630         | = | 0.0000               |
| Additional Current drawn from TB9 Auxiliary Power Output (0.035 amps maximum)   |                   |   | 0.0000         |   | 0.0000               |
| <b>Total Alarm Load</b>   |                   |   |                |   | <b>0.0000</b>        |

Note 1. The FC-XRM70 Transformer Module draws no current in standby or alarm.

Note 2. The FC-LPS Local Playback Speaker Module draws no current in standby or alarm.

Note 3. In backup configurations, the optional ACC-AAM25 draws no current in alarm.

Note 4. The ACC-25/50DA will turn off the background music in the event AC power is lost in order to preserve battery power.



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## Calculation in Total Sheet

Use the total standby and alarm load currents calculated in tables A-2A and A-2B for the following battery calculations

|                                    |        |   |                                       |                 |
|------------------------------------|--------|---|---------------------------------------|-----------------|
|                                    |        |   | <b>Required Standby Time in Hours</b> |                 |
|                                    |        |   | (24 or 60 Hrs.)                       |                 |
| <b>Standby Load Current (Amps)</b> | 0.0000 | X | 24                                    | = 0.0000        |
|                                    |        |   | <b>Required Alarm Time in Hours</b>   |                 |
|                                    |        |   | (5 minutes = 0.084)                   |                 |
| <b>Alarm Load Current (Amps)</b>   | 0.0000 | X | 0.084                                 | = 0.0000        |
|                                    |        |   | <b>Total Current Load</b>             | <b>0.000 AH</b> |
| Multiply by the Derating Factor    |        |   | 1.2                                   | = x 1.20        |
|                                    |        |   | <b>Total Ampere Hours Required</b>    | <b>0.000 AH</b> |

### Battery Check

The ACC-25/50DA(ZS) can charge this size battery

The batteries can be stored in the cabinet