



FIRE-LITE ALARMS

ACC-25/50ZST Battery Calculation

Regulated Load in Standby

Device Type	Number of Devices		Current (Amps)	=	Total Current (Amps)
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	1	X	0.4400	=	0.4400
ACC-FFT Fire Fighter Telephone Module	1	X	0.0570	=	0.0570
ACC-AAM25 Audio Amplifier Module		X	0.0650	=	
FC-RM Remote Microphone with FC-MIM Microphone Interface Module		X	0.0060	=	
ACC-ZPMK Zone Page Module		X	0.0590	=	
ACC-ZSM Zone Splitter Module		X	0.0050	=	
ACC-EPM External Page Module		X	0.0050	=	
Power Supervision Modules		X		=	
Additional Current drawn from TB9 Auxiliary Power Output (0.035 amps maximum)				=	
Total Standby Load					



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ACC-25/50ZST Battery Calculation

Regulated Load in ALARM

Device Type	Number of Devices		Current (Amps)	=	Total Current (Amps)
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	1	X	2.5050	=	2.5050
ACC-FFT Fire Fighter Telephone Module	1	X	0.0820	=	0.0820
ACC-AAM25 Audio Amplifier Module (1 max)		X	2.0000	=	
FC-RM Remote Microphone with FC-MIM Microphone Interface Module (1 max)		X	0.0300	=	
ACC-ZPMK Zone Page Module		X	0.0590	=	
ACC-ZSM Zone Splitter Module		X	0.0630	=	
ACC-EPM External Page Module		X	0.0050	=	
Power Supervision Modules		X		=	
Additional Current drawn from TB9 Auxiliary Power Output (0.035 amps maximum)					
Total Alarm Load					

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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ACC-25/50ZST Battery Calculation

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

			Required Standby Time in Hours	
			(24 or 60 Hrs.)	
Standby Load Current (Amps)		X		=
			Required Alarm Time in Hours	
			(15 minutes = 0.25)	
Alarm Load Current (Amps)		X		=
			Total Current Load	
Multiply by the Derating Factor			1.2	=
			x 1.20	
			Total Ampere Hours Required	