FIRE-LITE ALARMS by Honeywell

MS-9600UDLS Battery Calculation

Secondary Power Source Requirements

	Standby Current (amps)					Secondary Alarm Current (amps)				
Device Type	**Qty**		**Current Draw**		**Total**	**Qty**		**Current Draw**		**Total**
Main Circuit Board	1	x	0.120000	=	0.12000	1	x	0.170000	=	0.17000
DACT-UD2	1	x	0.100000	=	0.10000	1	x	0.132000	=	0.13200
SLC-2LS Expander Module	0	x	0.085000	=		0	x	0.085000	=	
4XTMF	0	x	0.005000	=		0	x	0.011000	=	
IPDACT	0	x	0.100000	=		0	x	0.300000	=	
IPDACT-2/2UD	0	x	0.098000	=		0	x	0.155000	=	
ANN-BUS Devices										
ANN-80(-W)	0	x	0.015000	=		0	x	0.040000	=	
ANN-LED	0	x	0.028000	=		0	x	0.068000	=	
ANN-RLED	0	x	0.028000	=		0	x	0.068000	=	
ANN-RLY	0	x	0.015000	=		0	x	0.075000	=	
ANN-I/O	0	x	0.035000	=		0	x	0.200000	=	
ANN-S/PG	0	x	0.045000	=		0	x	0.045000	=	
ACS Annunciators										
ACM-8RF	0	x	0.030000	=		0	x	0.158000	=	
ACM-16ATF	0	x	0.040000	=		0	x	0.056000	=	
ACM-32AF	0	x	0.040000	=		0	x	0.056000	=	
AEM-16ATF	0	x	0.002000	=		0	x	0.018000	=	
AEM-32AF	0	x	0.002000	=		0	x	0.018000	=	
AFM-16ATF	0	x	0.040000	=		0	x	0.056000	=	
AFM-32AF	0	x	0.040000	=		0	x	0.056000	=	
AFM-16AF	0	x	0.025000	=		0	x	0.065000	=	
LDM-32F	0	x	0.040000	=		0	x	0.056000	=	
LDM-E32F	0	x	0.002000	=		0	x	0.018000	=	
LCD-80F	0	x	0.025000	=		0	x	0.064000	=	
Resettable Power										
4-wire Detector Heads	0	x	0.000000	=		0	x	0.000000	=	
Addressable Devices										
BEAM355	0	x	0.002000	=						
BEAM355S	0	x	0.002000	=						
BEAM1224	0	x	0.017000	=						
CP355	0	x	0.000300	=						
SD355	0	x	0.000300	=						
SD355T	0	x	0.000300	=						
AD355	0	x	0.000300	=						
H355	0	x	0.000300	=						
H355R	0	x	0.000300	=						
H355HT	0	x	0.000300	=						
D350P	0	x	0.000300	=						
D350RP	0	x	0.000300	=						
D350PL	0	x	0.000300	=						
D350RPL	0	x	0.000300	=						
MMF-300	0	x	0.000400	=						
MMF-300-10	0	x	0.003500	=						
MDF-300	0	x	0.000750	=						
MMF-301	0	x	0.000375	=						
MMF-302	0	x	0.000270	=						
MMF-302-6	0	x	0.002000	=						
BG-12LX	0	x	0.000230	=						
CMF-300	0	x	0.000390	=						

CMF-300-6	0	x	0.002250	=							
CRF-300	0	x	0.000270	=							
CRF-300-6	0	x	0.001450	=							
I300	0	x	0.000400	=							
B501BH-2	0	x	0.001000	=							
B501BHT-2	0	x	0.001000	=							
B224RB	0	x	0.000500	=							
B224BI	0	x	0.000450	=							
	Maximum alarm draw for Addressable devices (SLC 1)				0.40000						
	Maximum alarm draw for Addressable devices (SLC 2)				0.00000						
EOLR-1	0	x	0.020000	=		0	x	0.020000	=		
Miscellaneous Device 1	0	x	0.000000	=		0	x	0.000000	=		
Miscellaneous Device 2	0	x	0.000000	=		0	x	0.000000	=		
Miscellaneous Device 3	0	x	0.000000	=		0	x	0.000000	=		
Miscellaneous Device 4	0	x	0.000000	=		0	x	0.000000	=		
Miscellaneous Device 5	0	x	0.000000	=		0	x	0.000000	=		
NAC #1						0	x	0.000000	=		
NAC #2						0	x	0.000000	=		
NAC #3						0	x	0.000000	=		
NAC #4						0	x	0.000000	=		
Current Draw from TB3 (non-alarm)			0.000000	=				0.000000	=		
Sum each column for totals	**Total Standby Current**				**0.22000**	**Total Alarm Current**				**0.70200**	

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MS-9600UDLS Battery Calculation

Note: You can edit all current draws and are **fully responsible for verifying** these calculations. Only enter values in **yellow** cells.

		Required Standby Time in Hours			
		24 Hours			
Standby Load Current (Amps)	**0.220 A**	x	24	=	5.280 AH
		Required Alarm Time in Hours			
		5 Minutes			
Alarm Load Current (Amps)	**0.702 A**	x	0.084	=	0.059 AH
			Standby and Alarm Load Subtotal	=	5.339 AH
			Derating Factor	=	x 1.2
			Total Ampere Hours Required	=	**6.407 AH**

Recommended Batteries:	**BAT-1270 - 7AH Batteries**

Battery Check
The batteries can be charged by the MS-9600UDLS Charger.
The batteries can be housed in the MS-9600UDLS Cabinet.

Current Draw Check
NAC#1 current is within the limitations of the circuit.
NAC#2 current is within the limitations of the circuit.
NAC#3 current is within the limitations of the circuit.
NAC#4 current is within the limitations of the circuit.
The standby current is within the limitations of the panel.
The alarm current is within output limitations of the panel.