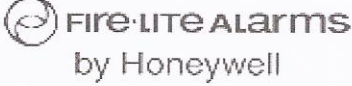


MS-9050UD Battery Calculation

Secondary Power Source Requirements

Device	Standby Current (amps)					Secondary Alarm Current (amps)				
	Qty		Current Draw	=	Total	Qty		Current Draw	=	Total
Main Circuit Board	1	x	0.120000	=	0.120000	1	x	0.200000	=	0.200000
4XTMF	0	x	0.005000	=		0	x	0.011000	=	
EOLR-1	0	x	0.020000	=		0	x	0.020000	=	
IPDACT-2	0	x	0.093000	=		0	x	0.136000	=	
IPDACT-2UD	0	x	0.098000	=		0	x	0.155000	=	
ANN-BUS Devices										
ANN-SEC Card	0	x	0.003000	=		0	x	0.003000	=	
ANN-80(-W)	1	x	0.015000	=	0.015000	1	x	0.040000	=	0.040000
ANN-(R)LED	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-I/O LED	0	x	0.000000	=		0	x	0.010000	=	
ANN-S/PG	0	x	0.045000	=		0	x	0.045000	=	
ANN-LC	0	x	0.150000	=		0	x	0.150000	=	
Addressable Devices										
BEAM355	0	x	0.002000	=						
BEAM355S	0	x	0.002000	=						
BEAM1224	0	x	0.017000	=						
CP355	0	x	0.000300	=						
SD355	8	x	0.000300	=	0.002400					
SD355T	0	x	0.000300	=						
AD355	0	x	0.000300	=						
H355	0	x	0.000300	=						
H355R	2	x	0.000300	=	0.000600					
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	=						
D355PL	0	x	0.000300	=						
MMF-300	2	x	0.000400	=	0.000800					
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	4	x	0.000230	=	0.000920					
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	=						
CDRM-300	0	x	0.001300	=						
I300	0	x	0.000400	=						
B501BH-2	0	x	0.001000	=						

B501BHT-2	0	x	0.001000	=				
B200SR	0	x	0.001000	=				
B224RB	0	x	0.000500	=				
B224BI	0	x	0.000450	=				
Maximum alarm draw for all Addressable devices ----->								0.40000
Resettable Power								
4-Wire Smoke Detectors	0	x	0.000000	=		0	x	0.000000 =
Auxiliary Power								
CMF-300 (Aux. Power)	0	x	0.001700	=		0	x	0.007000 =
CMF-300-6 (Aux. Power)	0	x	0.008000	=		0	x	0.020000 =
MMF-302 (Aux. Power)	0	x	0.012000	=		0	x	0.090000 =
MMF-302-6 (Aux. Power)	0	x	0.050000	=		0	x	0.270000 =
B200SR (Aux. Power)	0	x	0.000500	=		0	x	0.035000 =
Miscellaneous Devices								
	0	x	0.000000	=		0	x	0.000000 =
	0	x	0.000000	=		0	x	0.000000 =
	0	x	0.000000	=		0	x	0.000000 =
	0	x	0.000000	=		0	x	0.000000 =
	0	x	0.000000	=		0	x	0.000000 =
Output Circuits								
NAC/Output #1			0.000000	=				0.810000 = 0.810000
NAC/Output #2			0.000000	=				1.080000 = 1.080000
Total Standby Load			0.139720		Total Alarm Load			2.530000

		<h2>MS-9050UD Battery Calculation</h2>			
Calculation in Total Sheet					
		Required Standby Time in Hours			
		24 Hours			
Total Standby Current	0.1200 Amps	x	24	=	2.880 AH
		Required Alarm Time in Minutes			
		15 Minutes			
Total Alarm Load	2.5300 Amps	x	0.25	=	0.633 AH
Total Current Load					3.513 AH
Multiply by the Derating Factor			1.2	=	x 1.20
Total Ampere Hours Required					