

Secondary Power Source Requirements

Device Type	Standby Current (amps)				Secondary Alarm Curr			
	Qty		Current Draw	Total	Qty		Current Draw	
Main Circuit Board	1	x	0.145000	= 0.145000	1	x	0.275000	=
XRM-24B	0	x	0.000000	=	0	x	0.000000	=
4XTMF	0	x	0.005000	=	0	x	0.011000	=
IPDACT-2	0	x	0.093000	=	0	x	0.136000	=
IPDACT-2UD	0	x	0.098000	=	0	x	0.155000	=
ECC-FFT	0	x	0.120000	=	0	x	0.230000	=
ANN-BUS Devices								
ANN-80(-W)	0	x	0.015000	=	0	x	0.040000	=
ANN-LED	1	x	0.028000	= 0.028000	1	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	=
ANN-LC	0	x	0.150000	=	0	x	0.150000	=
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	=
Addressable Devices								
BEAM355	0	x	0.002000	=				
BEAM355S	0	x	0.002000	=				
BEAM1224	0	x	0.017000	=				
CP355	0	x	0.000300	=				
SD355	21	x	0.000300	= 0.006300				
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	=				
D355PL	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	6	x	0.000300	= 0.001800				
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	=					
ISO-6	0	x	0.002700	=					
B501BH-2	0	x	0.001000	=					
B501BHT-2	0	x	0.001000	=					
B224RB	0	x	0.000500	=					
B224BI	0	x	0.000450	=					
W-GATE	0	x	0.024000	=					
Maximum alarm draw for all Addressable devices ----->									
EOLR-1	5	x	0.020000	=	0.100000	5	x	0.020000	=
FCPS (Remote Sync)						0	x	0.021700	=
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	=
B200SR-LF (Aux. Power)	0	x	0.001000	=		0	x	0.125000	=
SWIFT Wireless									
W-GATE	0	x	0.040000	=		0	x	0.040000	=
W-DIS-D	0	x	0.030000	=		0	x	0.030000	=
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	=				1.049000	=
NAC/Output #2			0.000000	=				0.694000	=
NAC/Output #3			0.000000	=				1.181000	=
NAC/Output #4			0.000000	=				1.231000	=
Current Draw from TB3			0.000000	=				0.000000	=
Total Standby Load					0.281100	Total Alarm Load			

Calculation in Total Sheet

		Required Standby Time		
		24 Hours		
Standby Load Current	0.28110 Amps	x	24	=
		Required Alarm Time		
		5 Minutes		
Alarm Load Current (Amps)	4.99800 Amps	x	0.084	=
		Total Current Load		
Multiply by the Derating Factor			1.2	=
Total Ampere Hours Required				
Recommended Batteries:			BAT-12120 - 12AH B	

Battery Check

The batteries can be charged by the MS-9200UDLS Charger.
The batteries can be housed in the MS-9200UDLS 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.
MS 9200UDLS Control Panel:

An Additional XRM-24B Transformer is required to meet current draw requirements.

on

Time in Hours

6.746 AH

Time in Minutes

0.420 AH

7.166 AH

x 1.20

8.60 AH

Batteries