



BATTERY CALCULATIONS FOR PANEL: P1

Part No.	Qty	Description	Standby	Total Standby	Alarm	Total Alarm
FX-2003S-6-MB	1	ENHANCED MAIN CHASSIS GAMP MB	230.0000mA	230.0000mA	380.0000mA	380.0000mA
UDACT-300A	1	DIGITAL ALARM COMMUNICATOR MODULE	40.0000mA	40.0000mA	60.0000mA	60.0000mA
Total Panel Standby			270.0000mA	270.0000mA	440.0000mA	440.0000mA
Peripheral Devices			0.0000mA	0.0000mA	218.0000mA	218.0000mA
MS-710A0U	1	HORN/STROBE 2 WIRE, M.C. RED, OUTDOOR (Notification)	4.0000mA	4.0000mA	11.0000mA	11.0000mA
MIX-4509R	31	SMOKE PHOTO (Signaling line)	0.3600mA	11.1600mA	6.5000mA	201.5000mA
MIX-4501M	8	MONITOR MODULE (MINI) (Signaling line)	0.3000mA	2.4000mA	5.5000mA	44.0000mA
Total Peripheral Standby			16.3600mA	16.3600mA	529.5000mA	529.5000mA
Total Standby Amps			286.3600mA	286.3600mA	969.5000mA	969.5000mA
Standby time: 24 Hrs					6.8714h	6.8714h
Alarm time: 5 Min					0.0814h	0.0814h
Battery requirement:					6.9528h	6.9528h
Requirement with compensation:					8.3424h	8.3424h

RISE R DIAGRAM

Job number: 1	Qty	Description	Manufacturer	Model	Part No.
1	1	Panel P1	MIRCOM TECHNOLOGIES	FX-2003S-6-MB	FX-2003S-6-MB
1	1	ENHANCED MAIN CHASSIS GAMP MB	MIRCOM TECHNOLOGIES	UB-1024DS	UB-1024DS
1	1	FACP BACKBOX (28 x 14.5 x 4.2)	MIRCOM TECHNOLOGIES	UB-1024DS	UB-1024DS
1	1	EMERGENCY COMMUNICATION SYSTEM	MIRCOM TECHNOLOGIES	OX-MINI	OX-MINI
1	1	REMOBT MICROPHONE	MIRCOM TECHNOLOGIES	OX-MINI-RM	OX-MINI-RM
1	1	Panel P2	MIRCOM TECHNOLOGIES	BB-1001	BB-1001
1	1	BACKBOX (9 x 12.75 x 1.2)	MIRCOM TECHNOLOGIES	BB-1001	BB-1001
5	1	L-SERIES SPEAKERS/STROBE RED WALL	SPSRL	SPSRL	SPSRL
1	1	HORN/STROBE 2 WIRE, M.C. RED, OUTDOOR	MIX-4509R	MIX-4509R	MIX-4509R
1	1	HORN/STROBE 2 WIRE, M.C. RED, OUTDOOR	MIX-4501M	MIX-4501M	MIX-4501M
1	1	PULL DUAL ACTION	MIX-4501M	MIX-4501M	MIX-4501M
1	1	SMOKE PHOTO	MIX-4509R	MIX-4509R	MIX-4509R
1	1	FLANGED MOUNTING BASE (MIR)	MIX-4501M	MIX-4501M	MIX-4501M
1	1	STROBE, M.C. RED PLAIN WALL	MIX-4501M	MIX-4501M	MIX-4501M
1	1	GENTEX CORPORATION	GEN-324PWR	GEN-324PWR	GEN-324PWR
1	1	GENTEX HORN/WALL CABLE	4313104	4313104	4313104
1	1	GENTEX HORN/WALL CABLE	4313104	4313104	4313104
1	1	GENTEX HORN/WALL CABLE	4313104	4313104	4313104
1	1	GENERIC (WIRE/YELLOW CABLE)	EQI-3-9K	EQI-3-9K	EQI-3-9K
1	1	GENERIC	EQI-3-9K	EQI-3-9K	EQI-3-9K
1	1	GENERIC	EQI-2K	EQI-2K	EQI-2K

Bill of Material

SYMBOL	DESCRIPTION	PART NUMBER	MODEL	QUANTITY	USER TEXT
[E]	PULL DUAL ACTION	MS-710A0U	MS-710A0U	11	
[E]	SMOKE PHOTO	MIX-2251B	MIX-2251B	31	
[E]	L-SERIES SPEAKERS/STROBE RED WALL	SPSRL	SPSRL	8	
[E]	L-SERIES SPEAKERS/STROBE RED WALL	SPSRL	SPSRL	13	
[E]	L-SERIES SPEAKERS/STROBE RED WALL	SPSRL	SPSRL	11	
[E]	L-SERIES SPEAKERS/STROBE RED WALL	SPSRL	SPSRL	2	
[E]	L-SERIES SPEAKERS/STROBE RED WALL	SPSRL	SPSRL	9	
[E]	L-SERIES SPEAKERS/STROBE RED WALL	SPSRL	SPSRL	8	
[E]	RELAY MODULE	MIX-4509R	MIX-4509R	1	HOOD
[E]	MONITOR MODULE (MINI)	MIX-4501M	MIX-4501M	1	HOOD
[E]	MONITOR MODULE (MINI)	MIX-4501M	MIX-4501M	1	MAIN TAMPER 1
[E]	MONITOR MODULE (MINI)	MIX-4501M	MIX-4501M	1	MAIN TAMPER 2
[E]	MONITOR MODULE (MINI)	MIX-4501M	MIX-4501M	1	WET GATE VALVE TAMPER
[E]	MONITOR MODULE (MINI)	MIX-4501M	MIX-4501M	1	WET FLOW SWITCH
[E]	MONITOR MODULE (MINI)	MIX-4501M	MIX-4501M	1	DRY GATE VALVE TAMPER
[E]	MONITOR MODULE (MINI)	MIX-4501M	MIX-4501M	1	DRY FLOW SWITCH
[E]	MONITOR MODULE (MINI)	MIX-4501M	MIX-4501M	1	LOW AIR

<p>NICET LEVEL III ADAM JACOBS FIRE ALARM SYSTEMS CERT NUMBER 123888</p> <p><i>Adam Jacobs</i></p>	<p>NO. DATE</p> <p>REVISION DESCRIPTION</p> <p>CHGD BY:</p>	<p>1659 E Euclid Ave, Ste B Des Moines, IA 50313 515-266-9888 phone</p> <p>American ALARMS A Division of American Electrical Sales Corp. www.American-Alarms.com</p>
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DRWN BY: DATE:
 SWC 9/20/17
 DSGN BY: DATE:
 ANJ 9/20/17
 APPR BY: DATE:
 W/LJ 9/20/17
 PROJECT NUMBER:
 SHEET TITLE:
 Fire Alarm System
 DIAGRAM/REPORTS
 SHEET NUMBER:
 FA10