



BATTERIES

The rechargeable batteries are of sealed lead calcium maintenance-free construction with a fully gelled electrolyte in a polypropylene case. These batteries will not leak or spill even if left upside down for extended periods of time.

ELECTRICAL SPECIFICATIONS

Nominal voltage	12 volts
Charging voltage	
Float	13.5 - 13.8 VDC
Cycle	14.4 - 14.8 VDC
Operating Temp. Range	
Discharge	-76° F to +122° F (-60° C to +50° C)
Charge	-4° F to +122° F (-20° C to +50° C)



PS12120



PS1270



PS12180



PS12350, PS12550

BATTERY FEATURES

- Long Life
- Completely Sealed
- Charge and Discharge in any Position
- Low Self Discharge
- Maintenance Free

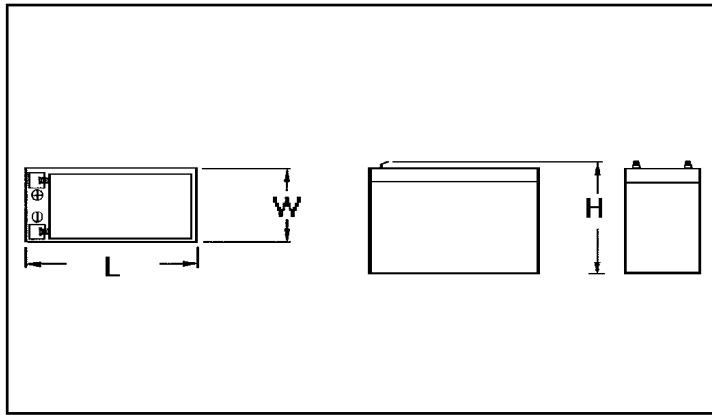
SPECIFICATIONS

Model	Capacity (20 hr. rate)	Terminal Type	Dimensions	Weight
PS1270	7 AH	Faston tab “.187” series	5.11 cm L x 10.03 cm H x 6.6 cm W 5.95" L x 3.95" H x 2.6" W	5.75 lbs. (2.61 kg)
PS12120	12 AH	Faston tab “.250” series	12.48 mm L x 5.97 mm H x 4.72 mm W 5.94" L x 3.70" H x 3.98" W	9.33 lbs. (4.24 kg)
PS12180	18 AH	Terminal posts w/5 mm nut & bolt connectors	18.11 cm L x 16.69 cm H x 7.59 cm W 7.13" L x 6.57" H x 2.99" W	13.2 lbs. (5.99 kg)
PS12350	35 AH	"L" blade w/.64 mm hole	19.69 cm L x 18.54 cm H x 12.95 cm W 7.75" L x 7.3" H x 5.1" W	24 lbs. (10.89 kg)
PS12550	55 AH	"L" blade w/6.4 mm hole at negative, 8.9 mm sq. cutout at positive	26.04 cm L x 22.23 cm H x 17.27 cm W 10.25" L x 8.75" H x 6.8" W	39 lbs. (17.69 kg)

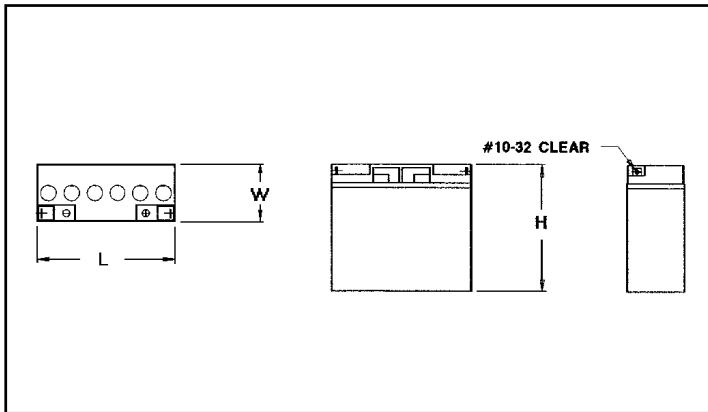
Specifications are provided for information only and are believed to be accurate. However, no responsibility is assumed by Mammoth Fire Alarms, Inc. for their use.

Specifications subject to change without notice.

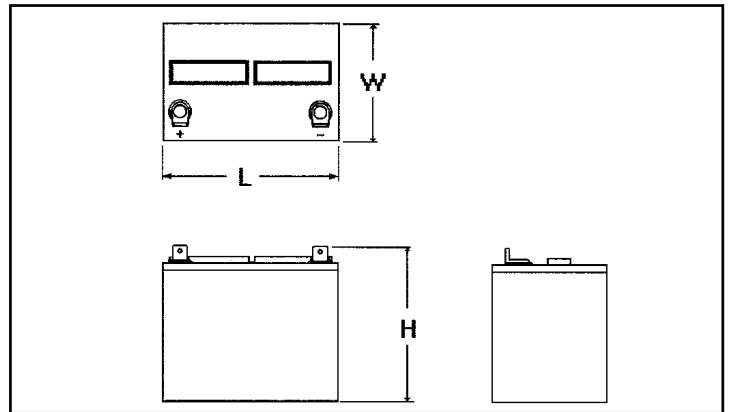
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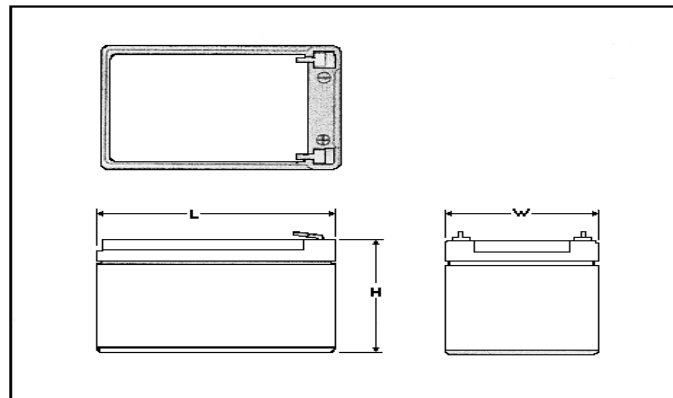
PS1270



PS12180



PS12350, PS12550



PS12120

ORDERING INFORMATION

Model	Description
PS1270	Sealed lead calcium battery, 7 AH
PS12120	Sealed lead calcium battery, 12 AH
PS12180	Sealed lead calcium battery, 18 AH
PS12350	Sealed lead calcium battery, 35 AH
PS12550	Sealed lead calcium battery, 55 AH

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3/13/2015

MANCINI ELECTRIC
179 SHERIDEN ST
PORTLAND
ME

MAINE COLLEGE OF ART - BASEMENT RENOVATION
522 CONGRESS ST
PORTLAND
ME



SIGNAL CKT #	AREA	STR15	STR30	E50H-24MCW-FR7	E50H-24MCW-FR1	E50H-24MCW-FR3	INX-10A													
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Remote Panel - 3	6	Remote circuits available																			
INX-10A	1	BASEMENT	1	1	6	1															1.3900
INX-10A	2	BASEMENT	4		8																1.6000
INX-10A	3	BASEMENT	2		3	3															0.9000
INX-10A	4	SPARE																			-
INX-10A	5	SPARE																			-
INX-10A	6	AUX POWER																			-
																					-

56%
64%
36%

3.89
10.00
0.32
4.80
5.12
6.14

INX-10A Available Power from selected device
 Ring Time, in Mins 5 (Total Alarm Current / (60 / Ring Time))
 Standby Time, in Hr 24 (Total Supervisory Current * Standby Time)
 AH Required -----
 Standby Reserve @ 20% -----



Mammoth Fire Alarms

Incorporated

Lowell, MA 01854-3126

Tel. (978) 934-9130 Sales 1-800-995-9808 Fax (978) 934-9131

STANDBY BATTERY CALCULATIONS

Created: 1/13/2015

Updated: 3/13/2015

SOLD TO:

JOB NAME				
MAINE COLLEGE OF ART - BASEMENT RENOVATION				
522 CONGRESS ST				
PORTLAND				
ME				
FIRE ALARM ADD				
QTY	PART #	DESCRIPTION	SUP CURRENT	ALARM CURRENT
		Main FACP		
1	BBX-FXMNSR	COMPLETE ENCLOSURE (FX2000MNS)	-	-
1	FX/2000MNS	NETWORK FACP 1/SLC 4/NAC 12A	0.3100	0.7330
1	DSPL-420	MODULAR LCD DISPLAY (4 LINES/20 CHAR EA)	0.0240	0.0250
1	PS-2040	PANEL/AUDIO POWER SUPPLY TRANSFORMER	-	-
1	ALCN-792M	NETWORK ANALOG LOOP MODULE	0.1300	0.1450
1	RM/1008A	8 RELAY CIRCUIT MODULE	0.0250	0.1500
1	PR/300	POLARITY REVERSAL/MASTER BOX MODULE	0.0500	0.3000
1	FNC-2000	FIRE NETWORK CONTROL BOARD	0.1900	0.1900
1	QMB-5000N	AUDIO CARD CAGE (HOLDS 4QAA'S)	-	-
1	ANC-5000	AUDIO NETWORK CONTROL BOARD	0.2550	0.2650
3	QAA/5160/70/25	1 60 WATT CKT AMPLIFIER 25/70 VOLTS	0.1650	1.0500
1	NOTES	existing battery cabinet to be reused	-	-
2	PS12550	55 AH 12V SEALED BATTERY	-	-
		Audio Control		
1	FX-LOCR	12 AH 12V SEALED BATTERY	-	-
1	RAXN/LCD	FLEXNET LCD ANNUNCIATOR (4X20)	0.1000	0.1500
1	QMP-5101N	CONVERTS 72 (EN12) SERIES / 7200B SERIES	0.0040	0.0120
1	QAZT-5302DS	NETWORK FACP 1/SLC 4/NAC 12A	0.0100	0.0150
		Basement Renovation		
1	ALCN-792D	ANALOG LOOP DAUGHTER BOARD	0.1300	0.1450
1	QAA/5415/25	4 15 WATT CKT AMPLIFIER 25 VOLT	0.0550	0.3500
1	QAA/4CLA	CLASS A CONVERTER BOARD FOR QAA/5415	-	-
25	MIX/2251B	ANALOG PHOTO DETECTOR	0.0083	0.1750
25	B210LP	ANALOG BASE FOR SYSTEM SENSOR DEVICES	-	-
4	MS710ADU	ADDRESSABLE DBL ACTN PULL STAT W/BRK R	0.0016	0.0220
		ELEVATOR RECALL		
4	MIX/M500R	RELAY CONTROL MODULE	0.0012	0.0012
1	MIX/M500M	ADDRESSABLE MONITOR MODULE	0.0006	0.0006
		TOTAL	1.4597	3.7288
5	Ring Time, in Min	(Total Alarm Current / (60 / Ring Time))	0.3107	ALM A/H
24	Standby Time, in Hrs	(Total Supervisory Current * Standby Time)	35.0328	SUP A/H
		Total Amp Hours Required	35.3435	
		Standby Reserve 20%	20	42.4122