



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: 3/13/2009

Updated: 8/7/2009

SOLD TO:

JOB NAME				
Worrall Covered Bridge				
North side RT 103 - 5 mi SE of Chester				
Rockingham, VT 05101				
QTY	PART #	DESCRIPTION	SUP CURRENT	ALARM CURRENT
1	FS2002	02 ZONE PANEL 1	0.0630	5.2500
1	LT1/4	NEMA 4(WP) 4 MODULE ENCLOSURE RED	-	-
1	HT/1	120VAC CONTROL PANEL HEATER ASSEMBLY	-	-
2	PS12180	18 AMP 12V SEALED BATTERY	-	-
1	DTC-300AR	SLAVE DIGITAL ALARM COMMUNICATOR 6 ZONE	0.0600	0.1100
700	PHSC/155/EPC	REGULAR TYPE EPC RED JACKET	-	-
2	ZB/HD/4/QCF	FIBERGLASS NEMA-4X TYPE JIC ENCLOSURE	-	-
2	SR/502	STRAIN RELIEF CONNECTOR	-	-
2	PWSC	SPLICING CONNECTORS SFTS	-	-
200	OHS/1	CLIP, LINE (USE w/TYP E P, EPC & EPN, TRI	-	-
12	WAW/P	CLIPS, CORNER, POLYPROPYLENE (CLEAR)	-	-
8	SLP/B	SUBMITTAL PACKAGE WITH BINDER	-	-
8	PRINTS	SYSTEM CAD PRINTS	-	-
4	O&M/B	OPERATION & MAINTENANCE MANUAL W/BINDE	-	-
1	UL/TEST/SERVICE	COMPLETE SYSTEM TEST PER UL REQUIREMEI	-	-
1	490S/1280R	RED 12-80VDC STROBE LIGHT	-	0.3200
1	FMSL/4RA	RED FLANGE MOUNT KIT FOR 490/500 STROBE	-	-
TOTAL			0.1230	5.6800
15	Ring Time, in Min	(Total Alarm Current / (60 / Ring Time))	1.4200	ALM A/H
90	Standby Time, in Hrs	(Total Supervisory Current * Standby Time)	11.0700	SUP A/H
Total Amp Hours Required			12.4900	
VERIFY # OF PWR SUPs			Standby Reserve 20%	14.9880