

A B C D E F G H I J K L M



BOSCH

FPD-7024 BatteryCalc
Revision: 1.02

Edit Device Database

Print Page

Print Circuit Detail

Project Variables

Project Name:	54 Grant St.	Standby Hours:	24	Warning thresholds
Project ID:	3488	Alarm Mins:	5	
Prepared By:	Dan Holt	Global Wire Type:	#18 Solid	
Date:	1/18/2010			
		Extra circuit Capacity:	10%	
		Voltage Drop:	25%	
		EOL Voltage (V):	16.0	

Panel ID:	FPD-7024	Model:	Bosch Addressible panel	Max Circuit Cur.:	2.5 Amps
Location:	Front Entry Lobby	Volts:	24 VDC	Max Panel Cur.:	4 Amps

Circuit Type	Current Draw		Wire AWG & Type	Ohms Per 1000 Ft.	Length(ft) Per Circuit	Actual Ohms	Volts @ EOL	%Drop
	Standby	Alarm						
Conventional 2-wire Loops	0.004	0.176	#18 Solid	8.08	200	3.23	19.83	2.79%
Smoke Power (Conv. 4-wire devices)	0.000	0.000	#18 Solid	8.08		0.00	20.40	0.00%
Aux Power	0.000	0.000	#18 Solid	8.08		0.00	20.40	0.00%
NACs (Local #1)	0.000	1.212	#14 Solid	3.19	100	0.64	19.63	3.79%
NACs (Local #2)	0.000	0.000	#14 Solid	3.19	100	0.64	20.40	0.00%
Mux Bus	0.000	0.000	#18 Solid	8.08	0	0.00	← Max. Values For Bus	
Option Bus	0.000	0.000	#18 Solid	8.08	0	0.00	← Max. Values For Bus	
Expanders	0.044	0.176						
FPD-7024 Panel	0.200	0.200	2.012	(Amps) Total Output Power Required				
Total Standby Current (Amps)	0.248	1.764	Total Alarm Current (Amps)					
Standby Time In Hours	24	5	Alarm Time In Min					
Total Standby AH Required	5.949	0.147	Total Alarm AH Required					
Total Combined AH Required	6.10							
Multiply by Battery Derating Factor	10%							
Minimum Battery AmpHours Required	6.71							