Farenhyt

IFP-50 Calculations
Version 08.06.13

Global Project Values:

Project Name: 208 HICK STREET
Project ID:
Prepared By: C. LHEUREUX
Date: 2/1/2014

Standby Ho
Alarm M
Derating Fa
Voltage Drop Wa
Threshol

RESURGAM, CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 02/21/14

Panel ID: IFP-50 IDP Devices
Location: BASEMENT UNIT 1

Model: IFP-50 Fire Alarm Control Panel
Volts: 24 VDC

Max NAC Current: 2.5 Amps
Max Panel Current: 2.5 Amps

Part.#	Description	Qty	Current Draw Standby	Current Draw Alarm	Wire AWG & Type	Ohms Per 1000 Ft.	Length(ft) One-Way	Actual Ohms	Volts @ EOL	%Drop
IFP-50	IFP-50 Addr. Fire Panel	1	0.200	0.365						
IDP	Photo, Photo-T,PhotoR	1	0.000	0.000						
IDP	Ion		0.000	0.000						
IDP	Heat, Heat-HT, ROR		0.000	0.000						
IDP	Beam, Beam-T		0.000	0.000						
DNR	Duct housing		0.000	0.000						
IDP	Acclimate		0.000	0.000						
IDP	FIRE-CO		0.000	0.000						
IDP	Control		0.000	0.000						
IDP	Control-6		0.000	0.000						
IDP	Monitor, Minimon		0.000	0.000						
IDP	Monitor-2	1	0.001	0.001						
IDP	Monitor-10		0.000	0.000						
IDP	Pull-SA, Pull-DA	1	0.000	0.000						
IDP	Relay		0.000	0.000						
IDP	Relay-6		0.000	0.000						
IDP	RelayMon-2		0.000	0.000						
IDP	Zone		0.000	0.000						
IDP	Zone-6		0.000	0.000						
IDP	Iso (Isolator Module)		0.000	0.000						
B224BI	Isolator Base		0.000	0.000						
B200SR	Sounder Base		0.000	0.000						
B200S	Intelligent Sounder Base		0.000	0.000						
B224RB	Relay Base		0.000	0.000						
RTS151	Magnetic Remote Test		0.000	0.000						
RTS151KEY	Key Activated Test		0.000	0.000						
RA100Z	Remote LED		0.000	0.000						
RA-100	LCD Remote Annunc		0.000	0.000						
RA-1000	LCD Remote Annunc		0.000	0.000						
5824	Serial/Parallel Module		0.000	0.000						
5496	Power Expander		0.000	0.000						
RPS-1000	Power Expander		0.000	0.000						
5865-4	LED Annunciator (4G)		0.000	0.000						
5865-3	LED Annunciator (3G)		0.000	0.000						
5880	LED Driver Module		0.000	0.000						
5883	Relay Module		0.000	0.000						
NAC #1	Notification Appl Circuit		0.000	0.091	#16 Solid	4.02	15	0.12	20.39	0.05%
NAC #2	Notification Appl Circuit		0.000	0.000	#12 Solid	1.59		0.00	20.40	0.00%

NA

Total Standby Current (Amps)	0.201	0.457	Total Alarm Current (Amps)
Standby Time In Hours	24	0.083	Alarm Time In Minutes / 60 (5 Mins)
Total Standby AH Required	4.834	0.038	Total Alarm AH Required
Total Combined AH Required	4.87		
Multiply By The Derating Factor	1.20		
Minimum Battery AmpHours Required	**5.85**		

Command Shortcuts

Configure Circuits

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