

Farenhyt

IFP-50 Calculations
Version 08.06.13

Global Project Values:

Project Name: Standby Hours:
 Project ID: Alarm Mins:
 Prepared By: Derating Factor:
 Date: Voltage Drop Warning Threshold %:

Panel ID: Model: IFP-50 Fire Alarm Control Panel Max NAC Current: 2.5 Amps
 Location: Volts: 24 VDC Max Panel Current: 2.5 Amps

Part.#	Description	Qty	Current Draw		Wire AWG & Type	Ohms Per 1000 Ft.	Length(ft) One-Way	Actual Ohms	Volts @ EOL	%Drop
			Standby	Alarm						
IFP-50	IFP-50 Addr. Fire Panel	1	0.200	0.365						
IDP	Photo, Photo-T, PhotoR	14	0.004	0.004						
IDP	Ion		0.000	0.000						
IDP	Heat, Heat-HT, ROR	3	0.001	0.001						
IDP	Beam, Beam-T		0.000	0.000						
DNR	Duct housing		0.000	0.000						
IDP	Acclimate		0.000	0.000						
IDP	FIRE-CO	1	0.000	0.007						
IDP	Control		0.000	0.000						
IDP	Control-6		0.000	0.000						
IDP	Monitor, Minimon		0.000	0.000						
IDP	Monitor-2		0.000	0.000						
IDP	Monitor-10		0.000	0.000						
IDP	Pull-SA, Pull-DA	8	0.003	0.003						
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	1	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	1	0.020	0.025						
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	0.728	#16 Solid	4.02	200	1.61	19.23	5.74%
NAC #2	Notification Appl Circuit		0.000	0.000	#12 Solid	1.59		0.00	20.40	0.00%
Total Standby Current (Amps)			0.229	1.134	Total Alarm Current (Amps)					
Standby Time In Hours			24	0.083	Alarm Time In Minutes / 60 (5 Mins)					
Total Standby AH Required			5.489	0.094	Total Alarm AH Required					
Total Combined AH Required			5.58							
Multiply By The Derating Factor			1.20							
Minimum Battery AmpHours Required			6.70							

Command Shortcuts

Configure Circuits

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