RESURGAM CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 07/15/13

4010es FACP

Module	Qty	Description		Standby Current	Total Standby	Alarm Curren	
Panel Equipment							
4010-9402	1	FACP, 248PT IDNET, 1 BAY, 120V, PLATINUM	*	0.3160	0.3160	0.4300	
4010-9912	1	SERIAL DACT		0.0300	0.0300	0.0400	
4010-9920	0	8 ZONE INITIATING DEVICE CIRCUIT - CLASS B		0.0750	0.0000	0.1950	
4009-9201	0	4009 IDNET NAC EXTENDER, 120 VAC		0.0850	0.0000	0.1850	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
		Panel Totals			0.3460		0.4700
IDNet Addressable Devices (SLC)							
4099-9003	0	IDNET DOUBLE ACTION PULL STATION	*	0.0000	0.0000	0.0000	0.0000
4090-9001	0	IDNET SUPERVISED IAM	*	0.0000	0.0000	0.0000	0.0000
4090-9002	3	IDNET RELAY IAM	*	0.0000	0.0000	0.0000	0.0000
4090-9006	0	SUP RELEASE PERIPH & ENCLOSURE	*	0.0000	0.0000	0.7100	0.0000
4090-9007	0	IDNET ADDRESSABLE SIGNAL ZAM	*	0.0000	0.0000	0.0000	0.0000
4090-9051	0	IDNET E-SERIES SUPERVISED IAM	*	0.0000	0.0000	0.0000	0.0000
4090-9101	0	IDNET CLASS B MONITOR ZAM	*	0.0160	0.0000	0.0720	0.0000
4090-9106	0	IDNET CLASS A MONITOR ZAM	*	0.0160	0.0000	0.0720	0.0000
4090-9116	0	INTELLIGENT IDNET ISOLATOR MODULE	*	0.0000	0.0000	0.0000	0.0000
4090-9117	0	IDNET INTELLIGENT ADDRESSABLE POWER ISOLAT	*	0.0000	0.0000	0.0000	0.0000
4090-9118	0	RELAY IDNET 2 IAM W/T SENSE	*	0.0000	0.0000	0.0000	0.0000
4090-9119	0	RELAY IDNET 2 IAM WITH FEEDBACK	*	0.0000	0.0000	0.0000	0.0000
4090-9120	0	4 POINT IDNET 2 I/O	*	0.0000	0.0000	0.0000	0.0000
4090-9121	0	SECURITY MONITOR IAM	*	0.0000	0.0000	0.0000	0.0000
4098-9714	19	TRUEALARM PHOTO SMOKE SENSOR		0.0000	0.0000	0.0000	0.0000
4098-9717	0	TRUEALARM ION SMOKE SENSOR		0.0000	0.0000	0.0000	0.0000
4098-9733	5	TRUEALARM HEAT SENSOR		0.0000	0.0000	0.0000	0.0000
4098-9750	0	TRUEALARM IN-DUCT SENSOR BASE W/O RELAY	*	0.0000	0.0000	0.0000	0.0000
4098-9751	0	TRUEALARM IN-DUCT SENSOR BASE W/ RELAY	*	0.0002	0.0000	0.0300	0.0000
4098-9754	0	MULTI-SENSOR PHOTO SENSOR W/ INTEGRAL HEA		0.0000	0.0000	0.0000	0.0000
4098-9755	0	TRUEALARM DUCT SMOKE SENSOR W/O RELAY OU	*	0.0000	0.0000	0.0000	0.0000
4098-9756	0	TRUEALARM DUCT SMOKE SENSOR W/ RELAY OUT	*	0.0000	0.0000	0.0000	0.0000
4098-9757	0	TRUEALARM QUICKCONNECT2 PHOTOELECTRIC SE	*	0.0000	0.0000	0.0000	0.0000
4009-9201	0	4009 IDNET NAC EXTENDER, 120 VAC	*	0.0000	0.0000	0.0000	0.0000
4098-9789	0	TRUEALARM SENSOR BASE W/ LED OUTPUT	*	0.0000	0.0000	0.0000	0.0000
4098-9791	0	TRUEALARM SENSOR BASE W/ RELAY DRIVER	*	0.0000	0.0000	0.0000	0.0000
4098-9792	24	TRUEALARM SENSOR BASE	*	0.0000	0.0000	0.0000	0.0000
4098-9793	0	TRUEALARM SENSOR BASE W/ ISOLATOR	*	0.0000	0.0000	0.0000	0.0000
4098-9794	0	TRUEALARM SENSOR SOUNDER BASE	*	0.0000	0.0000	0.0000	0.0000
4098-9795	0	MULTI-SENSOR SOUNDER BASE	*	0.0000	0.0000	0.0000	0.0000
4098-9796	0	MULTI-SENSOR BASE W/ LED OUTPUT	*	0.0000	0.0000	0.0000	0.0000
4098-9788	0	2 WIRE DETECTOR BASE	1	0.0000	0.0000	0.0000	0.0000
4098-9797	0	SSD SENSOR BASE WITH CO MODULE	*	0.0000	0.0000	0.0000	0.0000
4098-9798	0	SSD SOUNDER BASE W/ CO MODULE	*	0.0000	0.0000	0.0000	0.0000
4907-9001	0	TRUEALERT MESSAGING APPLIANCE	*	0.0000	0.0000	0.0000	0.0000
VLC-600	0	VESDA LASER COMPACT IDNET COMPATABLE	*	0.0000	0.0000	0.0000	0.0000
4099-9004CA	0	IDNET 2 STAGE S ACTN CANADA	*	0.0000	0.0000	0.0000	0.0000
4098-XAD-100	0	SINGLE ZONE AIR SAMPLING W/SENSOR	*	0.3000	0.0000	0.3000	0.0000
4098-XAD-110	0	SINGLE ZONE AIR SAMPLING W/KIT&SENSOR	*	0.3000	0.0000	0.3000	0.0000
4098-XAD-200	0	DUAL ZONE AIR SAMPLING W/SENSOR	*	0.3000	0.0000	0.3000	0.0000
4098-XAD-210	0	DUAL ZONE AIR SAMPLING W/KIT&SENSOR	*	0.0000	0.0000	0.0000	0.0000
4099-9012	0	ADDR DOUBLE ACTION PUSH/PULL STATION W/O LC	*	0.0000	0.0000	0.0000	0.0000
4190-9051	0	4-20MA ZAM FLUSH	*	0.0300	0.0000	0.0300	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
Miscellaneous Peripheral Devices That May Require System Power							

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4098-9843	0	ENCAPSULATED RELAY PAM-SD	0.0000	0.0000	0.015(	
2098-9737	0	RELAY DPDT 3 AMP	0.0000	0.0000	0.024(	
4090-9117	0	IDNET INTELLIGENT ADDRESSABLE POWER ISOLATOR	0.0100	0.0000	0.010(	
4090-9120	0	4 POINT IDNET 2 I/O	0.0300	0.0000	0.030(	
4098-XAD-210	0	DUAL ZONE AIR SAMPLING W/KIT&SENSOR	0.3000	0.0000	0.300(	
4098-9756	0	TRUEALARM DUCT SMOKE SENSOR W/ RELAY OUTPUT	0.0030	0.0000	0.015(	
4098-9791	0	TRUEALARM SENSOR BASE W/ RELAY DRIVER	0.0003	0.0000	0.004(	
4098-9794	0	TRUEALARM SENSOR SOUNDER BASE	0.0000	0.0000	0.020(	
4098-9795	0	MULTI-SENSOR SOUNDER BASE	0.0000	0.0000	0.0200	0.0000
4098-9798	0	SSD SOUNDER BASE W/ CO MODULE	0.0000	0.0000	0.0170	0.0000
4907-9001	0	TRUEALERT MESSAGING APPLIANCE	0.2560	0.0000	0.4800	0.0000
VLC-600	0	VESDA LASER COMPACT IDNET COMPATABLE	0.2050	0.0000	0.2050	0.0000
4603-9101	0	SERIAL LCD ANNUNCIATOR	0.0450	0.0000	0.2000	0.0000
4606-9102BA	0	LCD ANNUN FOR 4010ES FACP (RUI)	0.0650	0.0000	0.1400	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
Notification Appliances						
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
Miscellaneous Devices						
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
		Peripheral Totals		0.0000		0.0000
		RUI Totals	0	0.0000		0.0000
		Address Totals	27 Addresses	0.0216		0.0270
			Total Standby	0.3676	**Total Alarm**	0.4970

* Additional Current included under "Device Addresses Used"
(See below under "Additional Current Draws:")
1. 2-wire detector alarm current is included in the alarm current of the Initiating Device Circuit.
2. Backup Amplifier assumes Main Amplifier alarm current on failure.

Battery Set #1 (Cabinet/Charger #1)	Standby Current	Standby Total	Alarm Current	Alarm Total
Select ALL Power Supplies on this battery set: 4010es		0.3460		3.1160

RESURGAM CITY OF PORTLAND, MAINE
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				Sub Total	0.3460		
Additional Current Draws:							
RUI Connected Peripheral Devices	0		x 0.0035		= 0.0000	x 0.0035	= 0.0000
MAPNET/IDNet Device Addresses ordered / used	0		x 0.000800		= 0.0000	x 0.001000	= 0.0000
				Sub Total	0.3460		3.1160
Spare addressable point capacity	0%	0	x 0.0008		= 0.0000	x 0.001	= 0.0000
				Total	0.3460		3.1160
Standby Time =	24	Hrs	x 0.3460		= 8.3040	Standby Ah	
Alarm Time =	5	Min	0.08333 x 3.116		= 0.2597	Alarm Ah	
					8.5637		
Additional Spare Capacity =	0%			+	0.0000		
					8.5637		
Battery Discharge Factor =	20%			+	1.7127		
Minimum Battery Required	2081-9288 12AH (2x)				10.2764		
Battery Supplied	2081-9288 12AH (2x)						

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4009 4009 NAC

Module	Qty	Description	Standby Current	Total Standby	Alarm Curren	
Panel Equipment						
4009-9201	1	4009 IDNET NAC EXTENDER, 120 VAC	0.0850	0.0850	0.185	
	0	NO COMPONENT FOUND	0.0000	0.0000	0.000	
	0	NO COMPONENT FOUND	0.0000	0.0000	0.000	
	0	NO COMPONENT FOUND	0.0000	0.0000	0.000	
XXXX-XXXX	0	DESCRPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION	0.0000	0.0000	0.0000	0.0000
		Panel Totals		0.0850		0.1850
Miscellaneous Peripheral Devices That May Require System Power						
4098-9843	0	ENCAPSULATED RELAY PAM-SD	0.0000	0.0000	0.0150	0.0000
2098-9737	0	RELAY DPDT 3 AMP	0.0000	0.0000	0.0240	0.0000
4090-9117	0	IDNET INTELLIGENT ADDRESSABLE POWER ISOLATOR	0.0100	0.0000	0.0100	0.0000
4090-9120	0	4 POINT IDNET 2 I/O	0.0300	0.0000	0.0300	0.0000
4098-XAD-210	0	DUAL ZONE AIR SAMPLING W/KIT&SENSOR	0.3000	0.0000	0.3000	0.0000
4098-9756	0	TRUEALARM DUCT SMOKE SENSOR W/ RELAY OUTPUT	0.0030	0.0000	0.0150	0.0000
4098-9791	0	TRUEALARM SENSOR BASE W/ RELAY DRIVER	0.0003	0.0000	0.0040	0.0000
4098-9794	0	TRUEALARM SENSOR SOUNDER BASE	0.0000	0.0000	0.0200	0.0000
4098-9795	0	MULTI-SENSOR SOUNDER BASE	0.0000	0.0000	0.0200	0.0000
4098-9798	0	SSD SOUNDER BASE W/ CO MODULE	0.0000	0.0000	0.0170	0.0000
4907-9001	0	TRUEALERT MESSAGING APPLIANCE	0.2560	0.0000	0.4800	0.0000
VLC-600	0	VESDA LASER COMPACT IDNET COMPATABLE	0.2050	0.0000	0.2050	0.0000
4603-9101	0	SERIAL LCD ANNUNCIATOR	0.0450	0.0000	0.2000	0.0000
4606-9102BA	0	LCD ANNUN FOR 4010ES FACP (RUI)	0.0650	0.0000	0.1400	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
Notification Appliances						
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000

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XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	
Miscellaneous Devices						
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.0000	0.0000
		Peripheral Totals		0.0000		0.0000
		RUI Totals	0	0.0000		0.0000
		Address Totals	0 Addresses	0.0000		0.0000
			Total Standby	0.0850	**Total Alarm**	0.1850

* Additional Current included under "Device Addresses Used"
(See below under "Additional Current Draws:")
1. 2-wire detector alarm current is included in the alarm current of the Initiating Device Circuit.
2. Backup Amplifier assumes Main Amplifier alarm current on failure.

Battery Set #1 (Cabinet/Charger #1)	Standby Current	Standby Total	Alarm Current	Alarm Total
Select ALL Power Supplies on this battery set:				
4009		0.0850		1.7050
	Sub Total	0.0850		1.7050
Additional Current Draws:				
RUI Connected Peripheral Devices 0	x 0.0035	= 0.0000	x 0.0035	= 0.0000
MAPNET/IDNet Device Addresses ordered / used 0	x 0.000000	= 0.0000	x 0.000000	= 0.0000
	Sub Total	0.0850		1.7050
Spare addressable point capacity 0% 0	x 0	= 0.0000	x 0	= 0.0000
	Total	0.0850		1.7050

Standby Time = 24 Hrs	x 0.0850	= 2.0400	Standby Ah
Alarm Time = 5 Min	0.08333 x 1.705	= 0.1421	Alarm Ah
		2.1821	
Additional Spare Capacity = 0%	+	0.0000	
		2.1821	
Battery Discharge Factor = 20%	+	0.4364	
Minimum Battery Required 2081-9272 6.2AH (2x)		2.6185	
Battery Supplied 2081-9272 6.2AH (2x)			

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4010es FACP

Module	Qty	Description		Standby Current	Total Standby	Alar Curr	
Panel Equipment							
4010-9402	1	FACP, 248PT IDNET, 1 BAY, 120V, PLATINUM	*	0.3160	0.3160	0.43	
4010-9912	1	SERIAL DACT		0.0300	0.0300	0.04	
4010-9920	1	8 ZONE INITIATING DEVICE CIRCUIT - CLASS B		0.0750	0.0750	0.1950	0.1950
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRPTION		0.0000	0.0000	0.0000	0.0000
		Panel Totals			0.4210		0.6650
IDNet Addressable Devices (SLC)							
4099-9001	0	IDNET SINGLE ACTION PULL STATION	*	0.0000	0.0000	0.0000	0.0000
4090-9001	0	IDNET SUPERVISED IAM	*	0.0000	0.0000	0.0000	0.0000
4090-9002	0	IDNET RELAY IAM	*	0.0000	0.0000	0.0000	0.0000
4090-9006	0	SUP RELEASE PERIPH & ENCLOSURE	*	0.0000	0.0000	0.7100	0.0000
4090-9007	0	IDNET ADDRESSABLE SIGNAL ZAM	*	0.0000	0.0000	0.0000	0.0000
4090-9051	0	IDNET E-SERIES SUPERVISED IAM	*	0.0000	0.0000	0.0000	0.0000
4090-9101	0	IDNET CLASS B MONITOR ZAM	*	0.0160	0.0000	0.0720	0.0000
4090-9106	0	IDNET CLASS A MONITOR ZAM	*	0.0160	0.0000	0.0720	0.0000
4090-9116	0	INTELLIGENT IDNET ISOLATOR MODULE	*	0.0000	0.0000	0.0000	0.0000
4090-9117	0	IDNET INTELLIGENT ADDRESSABLE POWER ISOLAT	*	0.0000	0.0000	0.0000	0.0000
4090-9118	0	RELAY IDNET 2 IAM W/T SENSE	*	0.0000	0.0000	0.0000	0.0000
4090-9119	0	RELAY IDNET 2 IAM WITH FEEDBACK	*	0.0000	0.0000	0.0000	0.0000
4090-9120	0	4 POINT IDNET 2 I/O	*	0.0000	0.0000	0.0000	0.0000
4090-9121	0	SECURITY MONITOR IAM	*	0.0000	0.0000	0.0000	0.0000
4098-9714	19	TRUEALARM PHOTO SMOKE SENSOR		0.0000	0.0000	0.0000	0.0000
4098-9717	0	TRUEALARM ION SMOKE SENSOR		0.0000	0.0000	0.0000	0.0000
4098-9733	8	TRUEALARM HEAT SENSOR		0.0000	0.0000	0.0000	0.0000
4098-9750	0	TRUEALARM IN-DUCT SENSOR BASE W/O RELAY	*	0.0000	0.0000	0.0000	0.0000
4098-9751	0	TRUEALARM IN-DUCT SENSOR BASE W/ RELAY	*	0.0002	0.0000	0.0300	0.0000
4098-9754	0	MULTI-SENSOR PHOTO SENSOR W/ INTEGRAL HEAT		0.0000	0.0000	0.0000	0.0000
4098-9755	0	TRUEALARM DUCT SMOKE SENSOR W/O RELAY OU	*	0.0000	0.0000	0.0000	0.0000
4098-9756	0	TRUEALARM DUCT SMOKE SENSOR W/ RELAY OUT	*	0.0000	0.0000	0.0000	0.0000
4098-9767	0	TRUEALARM QUICKCONNECT2 PHOTOELECTRIC SE	*	0.0000	0.0000	0.0000	0.0000
4009-9201	0	4009 IDNET NAC EXTENDER, 120 VAC	*	0.0000	0.0000	0.0000	0.0000
4098-9789	0	TRUEALARM SENSOR BASE W/ LED OUTPUT	*	0.0000	0.0000	0.0000	0.0000
4098-9791	0	TRUEALARM SENSOR BASE W/ RELAY DRIVER	*	0.0000	0.0000	0.0000	0.0000
4098-9792	27	TRUEALARM SENSOR BASE	*	0.0000	0.0000	0.0000	0.0000
4098-9793	0	TRUEALARM SENSOR BASE W/ ISOLATOR	*	0.0000	0.0000	0.0000	0.0000
4098-9794	0	TRUEALARM SENSOR SOUNDER BASE	*	0.0000	0.0000	0.0000	0.0000
4098-9795	0	MULTI-SENSOR SOUNDER BASE	*	0.0000	0.0000	0.0000	0.0000
4098-9796	0	MULTI-SENSOR BASE W/ LED OUTPUT	*	0.0000	0.0000	0.0000	0.0000
4098-9798	0	2 WIRE DETECTOR BASE	1	0.0000	0.0000	0.0000	0.0000
4098-9797	0	SSD SENSOR BASE WITH CO MODULE	*	0.0000	0.0000	0.0000	0.0000
4098-9798	0	SSD SOUNDER BASE W/ CO MODULE	*	0.0000	0.0000	0.0000	0.0000
4907-9001	0	TRUEALERT MESSAGING APPLIANCE	*	0.0000	0.0000	0.0000	0.0000
VLC-600	0	VESDA LASER COMPACT IDNET COMPATABLE	*	0.0000	0.0000	0.0000	0.0000
4099-9004CA	0	IDNET 2 STAGE S ACTN CANADA	*	0.0000	0.0000	0.0000	0.0000
4098-XAD-100	0	SINGLE ZONE AIR SAMPLING W/SENSOR	*	0.3000	0.0000	0.3000	0.0000
4098-XAD-110	0	SINGLE ZONE AIR SAMPLING W/KIT&SENSOR	*	0.3000	0.0000	0.3000	0.0000

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4098-XAD-200	0	DUAL ZONE AIR SAMPLING W/SENSOR	*	0.3000	0.0000	0.30	
4098-XAD-210	0	DUAL ZONE AIR SAMPLING W/KIT&SENSOR	*	0.0000	0.0000	0.00	
4099-9012	0	ADDR DOUBLE ACTION PUSH/PULL STATION W/O LC	*	0.0000	0.0000	0.00	
4190-9051	0	4-20MA ZAM FLUSH	*	0.0300	0.0000	0.03	
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.00	
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.00	
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.00	
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.00	
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
Miscellaneous Peripheral Devices That May Require System Power							
4098-9843	0	ENCAPSULATED RELAY PAM-SD		0.0000	0.0000	0.0150	0.0000
2098-9737	0	RELAY DPDT 3 AMP		0.0000	0.0000	0.0240	0.0000
4090-9117	0	IDNET INTELLIGENT ADDRESSABLE POWER ISOLATOR		0.0100	0.0000	0.0100	0.0000
4090-9120	0	4 POINT IDNET 2 I/O		0.0300	0.0000	0.0300	0.0000
4098-XAD-210	0	DUAL ZONE AIR SAMPLING W/KIT&SENSOR		0.3000	0.0000	0.3000	0.0000
4098-9756	0	TRUEALARM DUCT SMOKE SENSOR W/ RELAY OUTPUT		0.0030	0.0000	0.0150	0.0000
4098-9791	0	TRUEALARM SENSOR BASE W/ RELAY DRIVER		0.0003	0.0000	0.0040	0.0000
4098-9794	0	TRUEALARM SENSOR SOUNDER BASE		0.0000	0.0000	0.0200	0.0000
4098-9795	0	MULTI-SENSOR SOUNDER BASE		0.0000	0.0000	0.0200	0.0000
4098-9798	0	SSD SOUNDER BASE W/ CO MODULE		0.0000	0.0000	0.0170	0.0000
4907-9001	0	TRUEALERT MESSAGING APPLIANCE		0.2560	0.0000	0.4800	0.0000
VLC-600	0	VESDA LASER COMPACT IDNET COMPATABLE		0.2050	0.0000	0.2050	0.0000
4603-9101	0	SERIAL LCD ANNUNCIATOR		0.0450	0.0000	0.2000	0.0000
4606-9102BA	0	LCD ANNUN FOR 4010ES FACP (RUI)		0.0650	0.0000	0.1400	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
Notification Appliances							
4906-9127	5	A/V MC NON-ADDRESS, RED, WALL	15	0.0000	0.0000	0.0750	0.3750
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
Miscellaneous Devices							
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000
XXXX-XXXX	0	DESCRIPTION		0.0000	0.0000	0.0000	0.0000

RESURGAM CITY OF PORTLAND, MAINE
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XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.00	
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.00	
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.00	
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.00	
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.00	
XXXX-XXXX	0	DESCRIPTION	0.0000	0.0000	0.00	
Peripheral Totals				0.0000		
RUI Totals			0	0.0000		0.0000
Address Totals			27 Addresses	0.0216		0.0270
			Total Standby	0.4426	Total Alarm	1.0670

*Additional Current included under "Device Addresses Used"
(See below under "Additional Current Draws")
1. 2-wire detector alarm current is included in the alarm current of the initiating Device Circuit.
2. Backup Amplifier assumes Main Amplifier alarm current on failure.

Battery Set #1 (Gabinet/Charger #1)	Standby Current	Standby Total	Alarm Current	Alarm Total
Select ALL Power Supplies on this battery set:				
4010es		0.4210		1.0400
Sub Total		0.4210		1.0400
Additional Current Draws:				
RUI Connected Peripheral Devices 0	x 0.0035	= 0.0000	x 0.0035	= 0.0000
MAPNET/IDNet Device Addresses ordered / used 0	x 0.000800	= 0.0000	x 0.001000	= 0.0000
Sub Total		0.4210		1.0400
Spare addressable point capacity 0% 0	x 0.0008	= 0.0000	x 0.001	= 0.0000
Total		0.4210		1.0400

Standby Time = 24 Hrs x 0.4210 = 10.1040 Standby Ah
Alarm Time = 5 Min 0.08333 x 1.04 = 0.0867 Alarm Ah
10.1907
Additional Spare Capacity = 0% + 0.0000
10.1907
Battery Discharge Factor = 20% + 2.0381
Minimum Battery Required 2081-9275 18AH (2x) 12.2288
Battery Supplied 2081-9275 18AH (2x)