

IDNET CHANNEL M1	Address	Device Type	Point Type	Location Description	SWITCH SETTINGS							
					1	2	3	4	5	6	7	8
M1-1					X	X	X	X	X	X	X	DN
M1-2					X	X	X	X	X	X	X	DN
M1-3					X	X	X	X	X	X	X	DN
M1-4					X	X	X	X	X	X	X	DN
M1-5					X	X	X	X	X	X	X	DN
M1-6					X	X	X	X	X	X	X	DN
M1-7					X	X	X	X	X	X	X	DN
M1-8					X	X	X	X	X	X	X	DN
M1-9					X	X	X	X	X	X	X	DN
M1-10					X	X	X	X	X	X	X	DN
M1-11	PHOTO	SMOKE		ELECTRICAL SERVICE ROOM	X	X	X	X	X	X	X	DN
M1-12	IAM	FIRE		KITCHEN HOOD	X	X	X	X	X	X	X	DN
M1-13	IAM	WATER		RITE AID	X	X	X	X	X	X	X	DN
M1-14	IAM	SD		RITE AID	X	X	X	X	X	X	X	DN
M1-15	ADRPUL	PULL		REAR EXIT	X	X	X	X	X	X	X	DN
M1-16	ADRPUL	PULL		COMMUNITY AREA	X	X	X	X	X	X	X	DN
M1-17	ADRPUL	PULL		CHECK-OUT	X	X	X	X	X	X	X	DN
M1-18	RPHOTO	SDUCT		NEAR REAR EXIT	X	X	X	X	X	X	X	DN
M1-19	RPHOTO	SDUCT		MIDDLE OF BLDG	X	X	X	X	X	X	X	DN
M1-20	IAM	SUPERV		PROTECTOWIRE PANEL	X	X	X	X	X	X	X	DN
M1-21					X	X	X	X	X	X	X	DN
M1-22					X	X	X	X	X	X	X	DN
M1-23					X	X	X	X	X	X	X	DN
M1-24					X	X	X	X	X	X	X	DN
M1-25					X	X	X	X	X	X	X	DN
M1-26					X	X	X	X	X	X	X	DN
M1-27					X	X	X	X	X	X	X	DN
M1-28					X	X	X	X	X	X	X	DN
M1-29					X	X	X	X	X	X	X	DN
M1-30					X	X	X	X	X	X	X	DN
M1-31					X	X	X	X	X	X	X	DN
M1-32					X	X	X	X	X	X	X	DN
M1-33					X	X	X	X	X	X	X	DN
M1-34					X	X	X	X	X	X	X	DN
M1-35					X	X	X	X	X	X	X	DN
M1-36					X	X	X	X	X	X	X	DN
M1-37					X	X	X	X	X	X	X	DN
M1-38					X	X	X	X	X	X	X	DN
M1-39					X	X	X	X	X	X	X	DN
M1-40					X	X	X	X	X	X	X	DN
M1-41					X	X	X	X	X	X	X	DN
M1-42					X	X	X	X	X	X	X	DN
M1-43					X	X	X	X	X	X	X	DN
M1-44					X	X	X	X	X	X	X	DN
M1-45					X	X	X	X	X	X	X	DN
M1-46					X	X	X	X	X	X	X	DN
M1-47					X	X	X	X	X	X	X	DN
M1-48					X	X	X	X	X	X	X	DN
M1-49					X	X	X	X	X	X	X	DN
M1-50					X	X	X	X	X	X	X	DN
M1-51					X	X	X	X	X	X	X	DN
M1-52					X	X	X	X	X	X	X	DN
M1-53					X	X	X	X	X	X	X	DN
M1-54					X	X	X	X	X	X	X	DN
M1-55					X	X	X	X	X	X	X	DN
M1-56					X	X	X	X	X	X	X	DN
M1-57					X	X	X	X	X	X	X	DN
M1-58					X	X	X	X	X	X	X	DN
M1-59					X	X	X	X	X	X	X	DN
M1-60					X	X	X	X	X	X	X	DN
M1-61					X	X	X	X	X	X	X	DN
M1-62					X	X	X	X	X	X	X	DN
M1-63					X	X	X	X	X	X	X	DN
M1-64					X	X	X	X	X	X	X	DN
M1-65					X	X	X	X	X	X	X	DN
M1-66					X	X	X	X	X	X	X	DN
M1-67					X	X	X	X	X	X	X	DN
M1-68					X	X	X	X	X	X	X	DN
M1-69					X	X	X	X	X	X	X	DN
M1-70					X	X	X	X	X	X	X	DN
M1-71					X	X	X	X	X	X	X	DN
M1-72					X	X	X	X	X	X	X	DN
M1-73					X	X	X	X	X	X	X	DN
M1-74					X	X	X	X	X	X	X	DN
M1-75					X	X	X	X	X	X	X	DN
M1-76					X	X	X	X	X	X	X	DN
M1-77					X	X	X	X	X	X	X	DN
M1-78					X	X	X	X	X	X	X	DN
M1-79					X	X	X	X	X	X	X	DN
M1-80					X	X	X	X	X	X	X	DN
M1-81					X	X	X	X	X	X	X	DN
M1-82					X	X	X	X	X	X	X	DN
M1-83					X	X	X	X	X	X	X	DN
M1-84					X	X	X	X	X	X	X	DN
M1-85					X	X	X	X	X	X	X	DN
M1-86					X	X	X	X	X	X	X	DN
M1-87					X	X	X	X	X	X	X	DN
M1-88					X	X	X	X	X	X	X	DN
M1-89					X	X	X	X	X	X	X	DN
M1-90					X	X	X	X	X	X	X	DN
M1-91					X	X	X	X	X	X	X	DN
M1-92					X	X	X	X	X	X	X	DN
M1-93					X	X	X	X	X	X	X	DN
M1-94					X	X	X	X	X	X	X	DN
M1-95					X	X	X	X	X	X	X	DN
M1-96					X	X	X	X	X	X	X	DN
M1-97					X	X	X	X	X	X	X	DN
M1-98					X	X	X	X	X	X	X	DN
M1-99					X	X	X	X	X	X	X	DN
M1-100					X	X	X	X	X	X	X	DN
M1-101					X	X	X	X	X	X	X	DN
M1-102					X	X	X	X	X	X	X	DN
M1-103					X	X	X	X	X	X	X	DN
M1-104					X	X	X	X	X	X	X	DN
M1-105					X	X	X	X	X	X	X	DN
M1-106					X	X	X	X	X	X	X	DN
M1-107					X	X	X	X	X	X	X	DN
M1-108					X	X	X	X	X	X	X	DN
M1-109					X	X	X	X	X	X	X	DN
M1-110					X	X	X	X	X	X	X	DN
M1-111					X	X	X	X	X	X	X	DN
M1-112					X	X	X	X	X	X	X	DN
M1-113					X	X	X	X	X	X	X	DN
M1-114					X	X	X	X	X	X	X	DN
M1-115					X	X	X	X	X	X	X	DN
M1-116					X	X	X	X	X	X	X	DN
M1-117					X	X	X	X	X	X	X	DN
M1-118					X	X	X	X	X	X	X	DN
M1-119					X	X	X	X	X	X	X	DN
M1-120					X	X	X	X	X	X	X	DN
M1-121					X	X	X	X	X	X	X	DN
M1-122					X	X	X	X	X	X	X	DN
M1-123					X	X	X	X	X	X	X	DN
M1-124					X	X	X	X	X	X	X	DN
M1-125					X	X	X	X	X	X	X	DN

PORTLAND FOOD CO-OP 4010es FACP						
Module	Qty	Description	Standby Current	Total Standby	Alarm Current	Total Alarm
Panel Equipment						
4010-9401	1	FACP, 24RPT IDNET, 1 BAY, 120V, RED	0.3160	0.3160	0.4300	0.4300
4010-9912	1	SERIAL DACT	0.0300	0.0300	0.0400	0.0400
Panel Totals			0.3460			0.4700
IDNet Addressable Devices (SIC)						
4099-9003	3	IDNET DOUBLE ACTION PULL STATION	0.0000	0.0000	0.0000	0.0000
4090-9001	4	IDNET SUPERVISED IAM	0.0000	0.0000	0.0000	0.0000
4098-9714	1	TRUEALARM PHOTO SMOKE SENSOR	0.0000	0.0000	0.0000	0.0000
4098-9756	2	TRUEALARM DUCT SMOKE SENSOR W/ RELAY OUTPUT	0.0000	0.0000	0.0000	0.0000
4098-9792	1	TRUEALARM SENSOR BASE	0.0000	0.0000	0.0000	0.0000
Miscellaneous Peripheral Devices That May Require System Power						
4098-9843	2	ENCAPSULATED RELAY PAM-SD	0.0000	0.0000	0.0150	0.0300
4098-9756	2	TRUEALARM DUCT SMOKE SENSOR W/ RELAY OUTPUT	0.0030	0.0060	0.0150	0.0300
4096-9102BA	1	LCD ANNUN FOR 4010ES FACP (RU)	0.0650	0.0650	0.1400	0.1400
Notification Appliances						
4906-9101	2	V/O MC NON-ADDRESS, RED, WALL	15	0.0000	0.0000	0.1200
4906-9105	1	WP V/O MC NON-ADDRESS, RED, WALL	WP75	0.0000	0.0000	0.2730
4906-9128	8	A/V MC NON-ADDRESS, RED CEILING	110	0.0000	0.0000	2.5600
4906-9128	2	A/V MC NON-ADDRESS, RED CEILING	75	0.0000	0.0000	0.5000
Peripheral Totals				0.0710		3.6530
Added Current for EPS Conversion of 24 to 29 Volt IDNet Devices				0.0000		0.0000
RUI Totals			1	0.0035		0.0035
Address Totals			10	0.0080		0.0100
Total Standby				0.4285		4.1365
Total Alarm						4.1365

Battery Set #1 (Cabinet/Charger #1)	Standby Current	Standby Total	Alarm Current	Alarm Total
Select ALL Power Supplies on this battery set:				
4010es		0.4170		4.1230
Sub Total		0.4170		4.1230
Additional Current Draws:				
RUI Connected Peripheral Devices	1	x 0.0035	= 0.0035	x 0.0035 = 0.0035
MAPNET/IDNet Device Address Communication Current	10	x 0.000800	= 0.0080	x 0.001000 = 0.0100
Sub Total			0.4285	4.1365
Spare addressable point capacity 0%				
0	x 0.0008	= 0.0000	x 0.001	= 0.0000
Total		0.4285		4.1365
Standby Time = 24 Hrs x 0.4285 = 10.2840 Standby Ah				
Alarm Time = 5 Min 0.08333 x 4.1365 = 0.3442 Alarm Ah				
Additional Spare Battery Capacity = 0%				
Battery Discharge Factor = 20%				
Minimum Battery Required 2081-9275 18AH (2x)				
Battery Supplied 2081-9275 18AH (2x)				

PORTLAND FOOD CO-OP - 4010es CIRCUIT SUMMARY & VOLTAGE DROP			
Plan Circuit	Description	Load	% Drop
V1	1ST FLR REAR OF STORE	SIG1 1.260A	1.61%
V2	1ST FLR FRONT	SIG2 0.960A	2.27%
V3	1ST FLR FRONT & OUTSIDE	SIG3	