



Notifier Device Compatibility Document

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Control Panel Circuit Specification

AFC-600 (MMX-2, FZM-1)

Compatibility Identifier: "A"
NAC Power: MPS-6 Filtered

AFP-100 (MMX-2, FZM-1)

Compatibility Identifier: "A"
NAC Power: Full Wave Rectified

AFP-200 (MMX-2, FZM-1)

Compatibility Identifier: "A"
NAC Power: Full Wave Rectified

AFP-300 / 400 (MMX-2, FZM-1)

Compatibility Identifier: "A"
NAC Power: MPS-400 Filtered

AM2020 / AFP-1010 (MMX-2, FZM-1)

Compatibility Identifier: "A"
NAC Power: MPS-24A Filtered

NFS-640 (MMX-2, FZM-1)

Compatibility Identifier: "A"
NAC Power: Filtered

NFS-3030**(IZM-8RK, IZE-A, FZM-1)**

NAC Power: AMPS-24/AMPS-24E Filtered

RP-1001, RP-1002, SFP-400, PAR-3, SFP-400B

Initiating Loop Voltage: 17.5 - 26.5VDC
Max Detector Loop Standby Current: 2.0mA/Loop
Compatibility Identifier: "A"
NAC Power: Full Wave Rectified

S500 (IZ-4 / IZ-8 / IZE-A)**S5000 (IZM-8 / IZE-A)**

Initiating Loop Voltage: 17 - 26.5VDC
Max Detector Loop Standby Current: 2.5mA/Loop
Compatibility Identifier: "A"
NAC Power: MPS-24A Filtered

SFP-1024

Initiating Device Circuit Voltage:
17.9-26.4 VDC
Max Detector Circuit Standby Current:
2.0 mA /circuit
Compatibility Identifier: "A"
NAC Power: Full Wave Rectified

SFP-2402, SFP-2404

Initiating Loop Voltage: 17.3 - 24.6
Max Detector Circuit Standby Current: 2.0mA/circuit
Compatibility Identifier: "A"
NAC Power: Full Wave Rectified

SGL-404

Initiating Loop Voltage: 18 - 26.3VDC
Max Detector Loop Standby Current: 2.0mA/Loop
Compatibility Identifier: "A"
NAC Power: Full Wave Rectified

SGL-2000

Initiating Loop Voltage: 18 - 26.2VDC
Max Detector Loop Standby Current: 2.0mA/Loop
Compatibility Identifier: "A"
NAC Power: Full Wave Rectified

Accessories Circuit Specification

ACPS-2406

Addressable Charger / Power Supply
Use with the AFP-100, AFP-200, AFP-300/400,
AFC-600, AFP1010/AM2020, NFC-640
Control Panels
NAC Power: Filtered

APS-6R

Auxiliary Power Supply
Use with the AFC-640, AFP-300/400,
AFP1010 / AM2020, NFS-640,
System 500, System 5000, XP Transponder
Control Panels
NAC Power: Filtered

AVPS-24

Audio/Visual Power Supply
Use with the AFP-200, AFP1010 / AM2020,
System 500, System 5000, XP Transponder
Control Panels
NAC Power: Full Wave Rectified

FCPS-24

Field Charger/ Power Supply
Input Voltage: 9 to 32 VDC
19.1 to 26.4VDC range for compatibility
NAC Power: Filtered

FCPS-24S6, FCPS-24S8

Field Charger/ Power Supply
Input Voltage: 9 to 32 VDC
NAC Power: Filtered

MMX-2, FZM-1

Monitor Modules
Initiating Loop Voltage: 16 - 27.5 VDC
Compatibility Identifier: "A"

XPIQ

Quad Intelligent Audio Transponder
Use with the AFC-600, AFP-300/400,
AFP1010/AM2020, NFS-640, NFS-3030
Control Panels
NAC Power: Filtered (uses APS-6R, FCPS-24)

XP6-MA

Six Zone Interface Module
Use with the NFS-640, NFS-3030
Control Panels
Normal Operating Voltage: 15-32VDC
Stand-By Current: 2 mA

XP SERIES (XPM-8)

Transponder Monitor Module
Initiating Loop Voltage: 24VDC Nominal
Max Detector Loop Standby Current: 3.5mA/Loop
Compatibility Identifier: "A"
NAC Power: MPS-24A Filtered

FM-Approved Automatic Water Control Valves for PreAction and Deluge Sprinkler applications (section not recognized by UL)

AFP-200,
AFP-300 / 400, AFC-600 / NFS-640, NFS-3030
AM2020 / AFP1010 (CMX-2),
RP-1001, RP-1002,
S500 (TC-2/TC-4), S5000 (TCM-2/TCM-4),
XP5-C

Solenoid Group [A]

Skinner solenoid valve Model LV2LBX25, 24 VDC, 11 WATTS, 458 mA, 1/2 in. NPS, 5/8 in. orifice.

Solenoid Group [B] These valves are interchangeable.

ASCO solenoid valve Model T8210A107, 24 VDC, 16.8 WATTS, 700 mA, 1/2 in. NPS, 5/8 in. orifice.
ASCO solenoid valve Model R8210A107, 24 VDC, 16.8 WATTS, 700 mA, 1/2 in. NPS, 5/8 in. orifice.
ASCO solenoid valve Model 8210A107, 24 VDC, 16.8 WATTS, 700 mA, 1/2 in. NPS, 5/8 in. orifice.

Solenoid Group [C]

Star Sprinkler Corp. Solenoid P/N 5550, 24 VDC, part of Model D deluge valve.

Solenoid Group [D]

ASCO solenoid valve Model 8210G207, 24 V dc, 10.6 WATTS, 440 mA, 1/2 in. NPS, 1/2 in. orifice.

Solenoid Group [E]

Skinner solenoid valve Model 73218BN4UNLVNOC111C2, 24 V dc, 10 WATTS, 420 mA, 1/2 in. NPS, 5/8 in. orifice.

Solenoid Group [F]

Skinner solenoid valve Model 73212BN4TNLVNOC322C2, 24 V dc, 22 WATTS, 1/2 in. NPS, 0.92 A, 250 psi (1725 kPa), 1/2 in. orifice.

Solenoid Group [G]

Skinner solenoid valve Model 71395SN2ENJ1NOH111C2, 24 V dc, 10 WATTS, 420 mA, 1 1/4 in. NPS, 1/16 in. orifice, 250 psi (1725 kPa) rated working pressure.

Note: Refer to the FM approval guide for automatic water control valves that are compatible with solenoids listed above.

Table 1. Door Holders

Model	Type	Current (mA)
FM-980	Floor Mount, single	68
FM-986	Surface Wiring	68
FM-998	Concealed Wiring	68
DH150A	Floor Mount	96
DH154A	Flush Mount	96
DH158A	Surface Mount	96

Table 2. UL Listed Relays

Vendor	Model	Current (mA)
System Sensor	A77-716B	20
Air Products & Controls, LTD	MR-101/C	15
	MR-201/C	35
	PAM-1	15
	PAM-2	15
	PAM-SD	15

Table 3. UL Compatible Surge Suppressors

Manufacture	Control Panel					
	AFP-100	AFP-200	AFP-300/ AFP-400	AM-2020/ AFP-1010	NFS-640	NFS-3030/E
	SLC Loop Protector					
DITEC	2LVLP-F					
EDCO	SLCP-30					
Northern Technologies	PLP-42N					

Table 4. UL Listed Four-Wire Smoke Detectors/Devices

Smoke Detector/Base	Detector/DeviceType	Max Standby Current (mA)	Alarm Current (mA)
Fenwal CPD-7021 (w/70-201000-005 Base)	Ionization	0.10	30
Fenwal PSD-7125	Photoelectric	0.10	*
Fenwal PSD7126 (w/70-201000-005 Base)	Photoelectric	0.10	*
Gentex 824	Photoelectric	0.50	60
Gentex 824CP	Photoelectric	0.50	60
Gentex 824CPT	Photoelectric	0.50	60
Gentex 824T	Photoelectric	0.50	60
Hochiki HS-2 RB/4	Base	*	*
Hochiki SPB-24	Projected Beam	0.25	*
System Sensor B404B	Base	*	*
System Sensor B612LP	Base	*	39
System Sensor B614LP	Base	*	75
System Sensor DH100ACDCP	Photoelectric	0.15	0.70
System Sensor DH100ACDCLP	Photoelectric	0.15	0.70
System Sensor DH400ACDCI	Ionization Duct	25	95
System Sensor DH400ACDCP	Photoelectric Duct	25	95
System Sensor 1424	Ionization	0.10	41
System Sensor 1424A (ULC)	Ionization	0.10	41
System Sensor 1451 (w/B402 Base)	Ionization	0.10	39
System Sensor 2W-MOD	Loop Test/Maintenance Mod.	30	50
System Sensor 2112/24R	Photoelectric	0.50	60/70
System Sensor 2112/24TR	Photoelectric	0.50	60/70
System Sensor 2112/24ATR	Photoelectric	0.50	60/70
System Sensor 2112/24AATR	Photoelectric	0.50	60/70
System Sensor 2424 (ULC)	Photoelectric	0.10	41
System Sensor 2424 TH (ULC)	Photoelectric	0.10	41
System Sensor 2451	Photoelectric	0.10	39
System Sensor 2451TH (with/B402 Base)	Photoelectric	0.10	39
System Sensor 4W-B (12/24 Volt)	Photoelectric I ³	.05	23
System Sensor 4WT-B (12/24 Volt)	Photoelectric I ³ w/Therm	.05	23
System Sensor 6424 Beam Detector	Projected Beam	10	28.4

Note: * Contact manufacturer for current draws

Table 5. UL Listed Notification Appliances

Control panels with notification circuits supplied by special purpose (FWR, filtered) power must use appliances listed in this table. Use only 12VDC devices with 12 volt control panel.

SYSTEM SENSOR	Rated Voltage ²	FWR DC	Filtered DC
Notes:			
1) All current draws are shown in milliamperes and reflect worst case average.			
2) Nominal operating voltages shown.			
3) Refer to manufacturer's installation instructions for more information.			
4) * Contact manufacturer for current draws.			
System Sensor CH24 Electronic Chime/Sounder	24	70	70
System Sensor H24 SpectrAlert Horn ³	24VDC	45	37
System Sensor H24A SpectrAlert Horn ³ (ULC)	24VDC	45	37
System Sensor MA24EH Multi Alert Horn with Mechanical Tone	24VDC	64	43
System Sensor MA-24D Electronic Sounder	24VDC	73	46
System Sensor MAEH2415ADA Multi Alert Horn with Mechanical Tone/Strobe	24VDC	278	216
System Sensor MAEH2475ADA Multi Alert Horn with Mechanical Tone/Strobe	24VDC	273	216
System Sensor MAEH241575ADA Multi Alert Horn with Mechanical Tone/Strobe	24VDC	343	271
System Sensor MAEH24110ADA Multi Alert Horn with Mechanical Tone/Strobe	24VDC	318	256
System Sensor MAEH2415ADAS Multi Alert Horn with Mechanical Tone/Strobe	24VDC	198	152
System Sensor MAEH241575ADAS Multi Alert Horn with Mechanical Tone/Strobe	24VDC	253	241
System Sensor MAEH24LO Multi Alert Horn with Mechanical Tone/Strobe	24VDC	109	68
System Sensor MAEH24LOC Multi Alert Horn with Mechanical Tone/Strobe	24VDC	109	68
System Sensor MAEH24LOLA Multi Alert Horn with Mechanical Tone/Strobe	24VDC	153	96
System Sensor MAEH24M Multi Alert Horn with Mechanical Tone/Strobe	24VDC	189	118
System Sensor MAEH24MC Multi Alert Horn with Mechanical Tone/Strobe	24VDC	189	118
System Sensor MASS2415ADA Sounder/Signaling Strobe	24VDC	163	121
System Sensor MASS241575ADA Sounder/Signaling Strobe	24 VDC	193	139
System Sensor MASS2475ADA Sounder/Signaling Strobe	24VDC	273	216
System Sensor MASS24110ADA Sounder/Signaling Strobe	24VDC	318	256
System Sensor MASS2415ADAS Sounder/Signaling Strobe w/ Synch. Ckt.	24 VDC	163	121
System Sensor MASS241575ADAS Sounder/Signaling Strobe w/ Synch. Ckt.	24 VDC	193	139
System Sensor MASS24D Electronic Sounder/Strobe	24VDC	118	71
System Sensor MASS24LO Electronic Sounder/Strobe	24VDC	118	71
System Sensor MASS24LOC Electronic Ceiling Sounder/Strobe	24VDC	118	71
System Sensor MASS24LOLA Electronic Sounder/Strobe with Fuego lens	24VDC	118	71
System Sensor MASS24M Electronic Sounder/Strobe	24VDC	198	121
System Sensor MASS24MC Electronic Ceiling Sounder/Strobe	24VDC	198	121
System Sensor MDL / MDLW Sync Modules for use with SpectraAlert series (ULC)	24VDC	15	11
System Sensor P2415 SpectrAlert Horn/Strobe ³	24VDC	106	83
System Sensor P2415A SpectrAlert Horn/Strobe ³ (ULC)	24VDC	106	83
System Sensor P241575 SpectrAlert Horn/Strobe ³	24VDC	107	81
System Sensor P241575A SpectrAlert Horn/Strobe ³ (ULC)	24VDC	107	81
System Sensor P2430 SpectrAlert Horn/Strobe ³	24VDC	121	102
System Sensor P2475 SpectrAlert Horn/Strobe ³	24VDC	196	169
System Sensor P2475ASpectrAlert Horn/Strobe ³ (ULC)	24VDC	196	169
System Sensor P24110 SpectrAlert Horn/Strobe ³	24VDC	246	193
System Sensor P24110A SpectrAlert Horn/Strobe ³ (ULC)	24VDC	246	193
System Sensor PA400R Sounder	24VDC	*	15
System Sensor PS24LO Add-on Strobe	24VDC	45	25

SYSTEM SENSOR	Rated Voltage ²	FWR DC	Filtered DC
Notes:			
1) All current draws are shown in milliamperes and reflect worst case average.			
2) Nominal operating voltages shown.			
3) Refer to manufacturer's installation instructions for more information.			
4) * Contact manufacturer for current draws.			
System Sensor PC24115 SpectrAlert Ceiling Mount Horn/Strobe	24VDC	308	308
System Sensor PC24177 SpectrAlert Ceiling Mount Horn/Strobe	24VDC	471	471
System Sensor PS2415ADA Mini-Sounder/Strobe	24VDC	110	90
System Sensor PS241575ADA Mini-Sounder/Strobe	24VDC	135	108
System Sensor PS2475ADA Mini-Sounder/Strobe	24VDC	135	108
System Sensor PS24110ADA Mini-Sounder/Strobe	24VDC	240	225
System Sensor RP2415ADA Retrofit Strobe Plate	24VDC	90	75
System Sensor RP241575ADA Retrofit Strobe Plate	24VDC	120	93
System Sensor RP2475ADA Retrofit Strobe Plate	24VDC	200	170
System Sensor RP24110ADA Retrofit Strobe Plate	24VDC	245	210
System Sensor S2415 SpectrAlert Strobe ³	24VDC	61	50
System Sensor S2415A SpectrAlert Strobe (ULC)	24VDC	61	50
System Sensor S241575 SpectrAlert Strobe ³	24VDC	65	56
System Sensor S241575A SpectrAlert Strobe ³ (ULC)	24VDC	65	56
System Sensor S2430 SpectrAlert Strobe	24VDC	84	78
System Sensor S2475 SpectrAlert Strobe ³	24VDC	170	145
System Sensor S2475A SpectrAlert Strobe ³ (ULC)	24VDC	170	145
System Sensor S24110 SpectrAlert Strobe ³	24VDC	220	169
System Sensor S24110A SpectrAlert Strobe ³ (ULC)	24VDC	220	169
System Sensor SC24115 SpectrAlert Ceiling Mount Strobe (ULC)	24VDC	293	293
System Sensor SC24177 SpectrAlert Ceiling Mount Strobe (ULC)	24VDC	453	453
System Sensor SP1R2415ADA Speaker/Signaling Strobe	24VDC	90	75
System Sensor SP1R241575ADA Speaker/Signaling Strobe	24 VDC	120	93
System Sensor SP1R2475ADA Speaker/Signaling Strobe	24VDC	200	170
System Sensor SP1R24110ADA Speaker/Signaling Strobe	24VDC	245	210
System Sensor SP2C24115 SpectrAlert Ceiling Mount Speaker Strobe ³	24VDC	290	290
System Sensor SP2C24177 SpectrAlert Ceiling Mount Speaker Strobe ³	24VDC	453	453
System Sensor SP2R2415 SpectrAlert Speaker Strobe ³	24VDC	61	50
System Sensor SP2R2415/75 SpectrAlert Speaker Strobe ³	24VDC	65	56
System Sensor SP2R2430 SpectrAlert Speaker Strobe ³	24VDC	84	78
System Sensor SP2R2475 SpectrAlert Speaker Strobe ³	24VDC	170	145
System Sensor SP2R24110 SpectrAlert Speaker Strobe ³	24VDC	220	169
System Sensor SP101R24LO Speaker/Strobe, 5" square grille	24VDC	45	25
System Sensor SP101R24M Speaker/Strobe, 5" square grille	24VDC	125	75
System Sensor SP100W24LOC Ceiling Speaker/Strobe, 8" round grille	24VDC	45	25
System Sensor SP100W24MC Ceiling Speaker/Strobe, 8" round grille	24VDC	125	75
System Sensor SS24 Strobe	24VDC	*	30
System Sensor SS2415ADA Signaling Strobe	24VDC	90	75
System Sensor SS2415ADAS Signaling Strobe with Synch. Circuit	24 VDC	125	106
System Sensor SS241575ADA Signaling Strobe	24 VDC	120	93
System Sensor SS241575ADAS Signaling Strobe with Synch. Circuit	24 VDC	180	115
System Sensor SS2475ADA Signaling Strobe	24VDC	200	170
System Sensor SS24110ADA Signaling Strobe	24VDC	245	210
System Sensor SS24LO Strobe	24VDC	45	25
System Sensor SS24LOC Ceiling Strobe (SS24LOBC - beige)	24VDC	45	25
System Sensor SS24M Strobe	24VDC	125	75
System Sensor SS24MC Ceiling Strobe	24VDC	125	75
System Sensor SSM24-6 Alarm Bell	24	60	120
System Sensor SSM24-6A Alarm Bell (ULC)	24	60	120
System Sensor SSM24-8 Alarm Bell	24	60	120
System Sensor SSM24-8A Alarm Bell (ULC)	24	60	120
System Sensor SSM24-10 Alarm Bell	24	60	120
System Sensor SSM24-10A Alarm Bell (ULC)	24	60	120

SYSTEM SENSOR	Rated Voltage²	FWR DC	Filtered DC
Notes:			
1) All current draws are shown in milliamperes and reflect worst case average.			
2) Nominal operating voltages shown.			
3) Refer to manufacturer's installation instructions for more information.			
4) * Contact manufacturer for current draws.			
System Sensor V4R2415ADA Speaker/Signaling Strobe	24VDC	90	75
System Sensor V4R241575ADA Speaker/Signaling Strobe	24 VDC	120	93
System Sensor V4R2475ADA Speaker/Signaling Strobe	24VDC	200	170
System Sensor V4R24110ADA Speaker/Signaling Strobe	24VDC	245	210

Table 6. UL Listed Notification Appliances

Control panels with notification circuits supplied by special purpose (FWR, filtered) power must use appliances listed in this table. Use only 12VDC devices with 12 volt control panels

GENTEX		Rated Voltage ²	FWR DC	Filtered DC
Notes:				
1) All current draws are shown in milliamperes and reflect worst case average.				
2) Nominal operating voltages shown.				
3) Refer to manufacturer's installation instructions for more information.				
4) * Contact manufacturer for current draws.				
Gentex GEC-24-15 Strobe/Horn	(ULC)	24VDC	101	91
Gentex GEC-24-30 Strobe/Horn	(ULC)	24VDC	125	104
Gentex GEC-24-60 Strobe/Horn	(ULC)	24VDC	154	133
Gentex GEC-24-75 Strobe/Horn	(ULC)	24VDC	164	142
Gentex GEC-24-110 Strobe/Horn	(ULC)	24VDC	188	165
Gentex GEC-24-15/75W Strobe/Horn	(ULC)	24VDC	125	104
Gentex GES-24-15 Strobe	(ULC)	24VDC	67	54
Gentex GES-24-30 Strobe	(ULC)	24VDC	91	67
Gentex GES-24-60 Strobe	(ULC)	24VDC	120	96
Gentex GES-24-75 Strobe	(ULC)	24VDC	130	105
Gentex GES-24-110 Strobe	(ULC)	24VDC	188	128
Gentex GES-24-15/75W Strobe	(ULC)	24VDC	91	67
Gentex GMH-24 Electro-Mechanical Horn		24VDC	38	38
Gentex GMS-24-15 Electro-Mechanical Horn with Strobe		24VDC	148	124
Gentex GMS-24-15-1 Electro-Mechanical Horn with Strobe		24VDC	138	129
Gentex GMS-24-1575-1 Electro-Mechanical Horn with Strobe		24VDC	218	173
Gentex GMS-24-3075 Electro-Mechanical Horn with Strobe		24 VDC	262	203
Gentex GMS-24-110 Electro-Mechanical Horn with Strobe		24 VDC	115	131
Gentex GMS-24-110-1 Electro-Mechanical Horn with Strobe		24 VDC	348	278
Gentex GMS24-30W ³ Horn Strobe		24VDC	257	198
Gentex GMS24-60W ³ Horn Strobe		24VDC	213	166
Gentex GOS-24-15-1 Multi-Tone Horn/Strobe		24VDC	174	150
Gentex GOS-24-1575-1 Multi-Tone Horn/Strobe		24VDC	299	199
Gentex GOS-24-3075-1 Multi-Tone Horn/Strobe		24VDC	229	288
Gentex GOS-24-110-1 Multi-Tone Horn/Strobe		24VDC	374	304
Gentex GOT-24 Multi-Tone Horn		24VDC	64	64
Gentex GX-90-4 Horn		24 VDC	18	18
Gentex GX90S-4-15 Horn with Strobe		24VDC	78	57
Gentex GX90S-4-15-1 Horn with Strobe		24VDC	120	104
Gentex GX90S-4-1575 Horn with Strobe		24VDC	193	153
Gentex GX90S-4-110 Horn with Strobe		24VDC	158	123
Gentex GX90S-4-110-1 Horn with Strobe		24VDC	338	258
Gentex GX-90S-4RL and -4BL Horn with Strobe		24VDC	*	*
Gentex GX-90S-4RH and -4BH Horn with Strobe		24VDC	*	*
Gentex GXS-4-15 Strobe		24VDC	110	86
Gentex GXS-4-15-1 Strobe		24VDC	110	86
Gentex GXS-4-1575 Strobe		24VDC	180	135
Gentex GXS-4-30 Strobe		24VDC	224	165
Gentex GXS-4-60 Strobe		24VDC	180	130
Gentex GXS-4-3075 Strobe		24VDC	224	165
Gentex GXS-4-110 Strobe		24VDC	310	240
Gentex GXS-4-110-1 Strobe		24VDC	310	240
Gentex GXS-4RH, 4BH, 4RL, 4BL Strobes		24VDC	*	*
Gentex HG24 Electronic Horn		24VDC	26	21
Gentex HS24-15 Multi-Tone Horn/Strobe	(ULC)	24VDC	101	89
Gentex HS24-15/75 Multi-Tone Horn/Strobe	(ULC)	24VDC	120	104
Gentex HS24-30 Multi-Tone Horn/Strobe	(ULC)	24VDC	120	104
Gentex HS24-60 Multi-Tone Horn/Strobe	(ULC)	24VDC	162	135
Gentex HS24-110 Multi-Tone Horn/Strobe	(ULC)	24VDC	185	156
Gentex HS24-30W ³ Horn Strobe	(ULC)	24VDC	106	92

GENTEX	Rated Voltage²	FWR DC	Filtered DC
Notes:			
1) All current draws are shown in milliamperes and reflect worst case average.			
2) Nominal operating voltages shown.			
3) Refer to manufacturer's installation instructions for more information.			
4) * Contact manufacturer for current draws.			
Gentex HS24-60W ³ Horn Strobe (ULC)	24VDC	154	125
Gentex HS24-75W ³ Horn Strobe (ULC)	24VDC	161	128
Gentex HS24-110W ³ Horn Strobe (ULC)	24VDC	179	146
Gentex SHG-24L Electronic Horn with Strobe	24VDC	*	*
Gentex SHG-24H Electronic Horn with Strobe	24VDC	*	*
Gentex SHG24-15 Electronic Horn with Strobe	24VDC	136	107
Gentex SHG24-15-1 Electronic Horn with Strobe	24VDC	166	141
Gentex SHG24-1575 Electronic Horn with Strobe	24VDC	206	156
Gentex SHG24-30 Electronic Horn with Strobe	24VDC	224	165
Gentex SHG24-60 Electronic Horn with Strobe	24VDC	180	130
Gentex SHG24-3075 Electronic Horn with Strobe	24VDC	250	191
Gentex SHG24-110 Electronic Horn with Strobe	24VDC	146	161
Gentex SHG24-110-1 Electronic Horn with Strobe	24VDC	336	261
Gentex SPK4-15 Speaker with Strobe	24VDC	110	86
Gentex SPK4-15-1 Speaker with Strobe	24VDC	100	86
Gentex SPK4-24-3075 Speaker with Strobe	24VDC	224	165
Gentex SPK4-1575 Speaker with Strobe	24VDC	140	120
Gentex SPK4-110 Speaker with Strobe	24VDC	310	240
Gentex SPK4-110-1 Speaker with Strobe	24VDC	310	240
Gentex SPK8-15 Speaker with Strobe	24VDC	110	86
Gentex SPK8-15-1 Speaker with Strobe	24VDC	110	86
Gentex SPK8-1575 Speaker with Strobe	24VDC	140	120
Gentex SPK8-110 Speaker with Strobe	24VDC	310	240
Gentex SPK8-24-3075 Speaker with Strobe	24VDC	224	165
Gentex SPK8-110-1B Speaker with Strobe	24VDC	310	240
Gentex SPKE4 Speaker	24VDC	*	*
Gentex SPKE8 Speaker	24VDC	*	*
Gentex SPKE4-15-1 Speaker with strobe	24VDC	100	86
Gentex SPKE4-15/75 Speaker with strobe	24VDC	125	105
Gentex SPKE4-15/75-C Speaker with strobe	24VDC	125	237
Gentex SPKE4-30W ³ Speaker Strobe	24VDC	140	105
Gentex SPKE4-30/75 Speaker with strobe	24VDC	224	165
Gentex SPKE4-60 Speaker with strobe	24VDC	*	36
Gentex SPKE4-60W ³ Speaker Strobe	24VDC	180	130
Gentex SPKE4-110-1 Speaker with strobe	24VDC	298	105
Gentex SPKE8-15-1 Speaker with strobe	24VDC	100	78
Gentex SPKE8-15/75 Speaker with strobe	24VDC	125	105
Gentex SPKE8-30W ³ Speaker Strobe	24VDC	140	105
Gentex SPKE8-30/75 Speaker with strobe	24VDC	193	142
Gentex SPKE8-15/75-C Speaker	24VDC	125	105
Gentex SPKE8-1575W ³ Speaker Strobe	24VDC	140	105
Gentex SPKE8-60 Speaker with strobe	24VDC	*	78
Gentex SPKE8-110-1 Speaker with strobe	24VDC	310	240
Gentex ST24-15 Strobe (ULC)	24VDC	73	54
Gentex ST24-15/75 Strobe (ULC)	24VDC	92	69
Gentex ST24-30 Strobe (ULC)	24VDC	92	69
Gentex ST24-60 Strobe (ULC)	24VDC	134	100
Gentex ST24-110 Strobe (ULC)	24VDC	157	121
Gentex ST24-30W ³ Strobe (ULC)	24VDC	84	67
Gentex ST24-75W ³ Strobe (ULC)	24VDC	139	103
Gentex ST24-110W ³ Strobe (ULC)	24VDC	157	121
Gentex WGMS-24-75 Weatherproof Electro-Mechanical Horn with Strobe	24 VDC	153	153

Table 7. UL Listed Notification Appliances

Control panels with notification circuits supplied by special purpose (FWR, filtered) power must use appliances listed in this table. Use only 12VDC devices with 12 volt control panels.

WHEELLOCK	Rated Voltage²	FWR DC	Filtered DC
Notes:			
1) All current draws are shown in milliamperes and reflect worst case average.			
2) Nominal operating voltages shown.			
3) Refer to manufacturer's installation instructions for more information.			
4) * Contact manufacturer for current draws.			
Wheelock 7002T-24 Horn with Strobe	24VDC	*	*
Wheelock AES-DL1-LSM-24 Horn Strobe	24 VDC	*	*
Wheelock AES-DL1-WM-24-VF-R MultiTone Signals (ULC)	24VDC	*	*
Wheelock AES-EL1-LSM-24 Horn Strobe	24 VDC	*	*
Wheelock AES-EL1-WM-24-VF-R Multitone Signals	24VDC	*	*
Wheelock AH-24 Horn (ULC)	24VDC	*	*
Wheelock AH-24WP Horn (ULC)	24VDC	*	*
Wheelock AMT-24 Multitone Horn (ULC)	24VDC	48	48
Wheelock AMT-24-IS-VFR Multitone Horn Strobe	24VDC	348	323
Wheelock AMT-24-LS-VFR Multitone Horn Strobe (ULC)	24VDC	143	138
Wheelock AMT-24-LSM-VFR Multitone Horn Strobe	24VDC	188	178
Wheelock AS-2415 Audible Strobe	24 VDC	140	104
Wheelock AS-2415C Horn/Strobe (ULC)	24VDC	167	126
Wheelock AS-2415W Horn/Strobe (ULC)	24VDC	95	134
Wheelock AS-241575 Audible Strobe	24 VDC	162	121
Wheelock AS-241575W Horn/Strobe	24VDC	110	147
Wheelock AS-2430 Audible Strobe	24 VDC	190	148
Wheelock AS-2430C Horn/Strobe	24VDC	220	186
Wheelock AS-2430W Horn/Strobe	24VDC	135	177
Wheelock AS-2475 Audible Strobe	24 VDC	295	299
Wheelock AS-2475C Horn/Strobe (ULC)	24VDC	432	340
Wheelock AS-2475W Horn/Strobe (ULC)	24VDC	211	283
Wheelock AS-24100C Horn/Strobe (ULC)	24VDC	486	417
Wheelock AS-24110 Audible Strobe	24 VDC	443	333
Wheelock AS-24110W Horn/Strobe (ULC)	24VDC	242	326
Wheelock AS-24MCW-FW/R	24 VDC	414	280
Wheelock ASWP-2475W Horn/Strobe	24VDC	187	186
Wheelock CH-CF1-LS-24-CFW Chime	24 VDC	101	100
Wheelock CH-CF1-MS-24-CFW Chime	24 VDC	155	155
Wheelock CH-CF1-IS-24-CFW Chime	24 VDC	273	260
Wheelock CH-DF1-LS-24-VFR Chime	24 VDC	101	100
Wheelock CH-DF1-LSM-24-VFR Chime	24 VDC	145	120
Wheelock CH-DF1-MS-24-VFR Chime	24 VDC	155	155
Wheelock CH-DF1-IS-24-VFR Chime	24 VDC	273	260
Wheelock CH70-24 Chime	24VDC	22	22
Wheelock CH70-2415W Chime with Strobe	24VDC	105	85
Wheelock CH70-241575 Chime with Strobe	24VDC	127	102
Wheelock CH70-2430 Chime with Strobe	24VDC	153	122
Wheelock CH70-2475 Chime with Strobe	24VDC	239	187
Wheelock CH70-24MCW-FR/W	24VDC	392 max *	257 max *
Wheelock CH90-24 Chime	24VDC	22	22
Wheelock CH90-2475C Chime with Strobe	24VDC	259	251
Wheelock CH90-24100C Chime with Strobe	24VDC	318	314
Wheelock DSM-12/24 Dual Synchronization Module	12VDC/24VDC	38/82	20/50
Wheelock E70 Speaker	N/A	*	*
Wheelock E70-2415W Speaker with Strobe	24VDC	83	63
Wheelock E70-241575W Speaker with Strobe	24VDC	105	80
Wheelock E70-2430W Speaker with Strobe	24VDC	131	100
Wheelock E70-2475W Speaker with Strobe	24VDC	217	165
Wheelock E70-24110W Speaker with Strobe	24VDC	274	209

WHEELOCK	Rated Voltage ²	FWR DC	Filtered DC
Notes:			
1) All current draws are shown in milliamperes and reflect worst case average.			
2) Nominal operating voltages shown.			
3) Refer to manufacturer's installation instructions for more information.			
4) * Contact manufacturer for current draws.			
Wheelock E90 Speaker	N/A	*	*
Wheelock E90-2415C Speaker with Strobe	24VDC	108	83
Wheelock E90-2430C Speaker with Strobe	24VDC	165	126
Wheelock E90-2475C Speaker with Strobe	24VDC	338	260
Wheelock E90-24100C Speaker with Strobe	24VDC	400	300
Wheelock E70-R Speaker	N/A	*	*
Wheelock E90-W Speaker	N/A	*	*
Wheelock E70-24MCW	24VDC	370 max *	235 max *
Wheelock E70-2415W Speaker with Strobe	24VDC	83	63
Wheelock E70-241575W Speaker with Strobe	24VDC	105	80
Wheelock E70-2430W Speaker with Strobe	24VDC	131	100
Wheelock E70-2475W Speaker with Strobe	24VDC	217	165
Wheelock E70-24110W Speaker with Strobe	24VDC	274	209
Wheelock E90-2415C Speaker with Strobe	24VDC	108	83
Wheelock E90-2430C Speaker with Strobe	24VDC	165	126
Wheelock E90-2475C Speaker with Strobe	24VDC	338	260
Wheelock E-70-IS-24 Low Profile Speaker/Strobe	24 VDC	235	240
Wheelock E-70-LS-24 Low Profile Speaker/Strobe	24 VDC	91	80
Wheelock E-70-LSM-24 Low Profile Speaker/Strobe	24 VDC	125	115
Wheelock E-70-MS-24 Low Profile Speaker/Strobe	24 VDC	135	135
Wheelock E-90-IS-24 Low Profile Speaker/Strobe	24 VDC	253	240
Wheelock E-90-LS-24 Low Profile Speaker/Strobe	24 VDC	91	80
Wheelock E-90-MS-24 Low Profile Speaker/Strobe	24 VDC	135	135
Wheelock E-7025-LS-VFR Speaker with Strobe (ULC)	24 VDC	*	*
Wheelock E-7025-SLM-VFR Speaker with Strobe	24 VDC	*	*
Wheelock E-7070-LS-VFR Speaker with Strobe (ULC)	24 VDC	*	*
Wheelock E-7070-SLM-VFR Speaker with Strobe	24 VDC	*	*
Wheelock E-9025-LS-CFW Speaker with Strobe (ULC)	24 VDC	*	*
Wheelock E-9070-LS-CFW Speaker with Strobe (ULC)	24 VDC	*	*
Wheelock EH-EL1-WM-24-VF-R Electronic Horn Strobes (ULC)	24VDC	*	*
Wheelock EH-DL1-WM-24-VF-R Electronic Horn Strobes (ULC)	24VDC	*	*
Wheelock ET70 Speaker with Strobe	N/A	*	*
Wheelock ET70-2415W Speaker with Strobe	24VDC	83	63
Wheelock ET70-241575W Speaker with Strobe	24VDC	105	80
Wheelock ET70-2430W Speaker with Strobe	24VDC	131	100
Wheelock ET70-2475W Speaker with Strobe	24VDC	217	165
Wheelock ET70-24110W Speaker with Strobe	24VDC	274	209
Wheelock ET70-24MCW-FR/W Speaker with Strobe	24VDC	370 max *	234 max *
Wheelock ET90 Speaker with Strobe	N/A	*	*
Wheelock ET90-2415C Speaker with Strobe	24VDC	108	83
Wheelock ET90-2430C Speaker with Strobe	24VDC	165	126
Wheelock ET90-2475C Speaker with Strobe	24VDC	338	260
Wheelock ET90-24100C Speaker with Strobe	24VDC	400	300
Wheelock ET-1070-IS-24-VFR Speaker with Strobe	24 VDC	200	233
Wheelock ET-1070-LS-24-VFR Speaker with Strobe (ULC)	24 VDC	100	96
Wheelock ET-1070-LSM-24-VFR Speaker with Strobe	24 VDC	100	125
Wheelock ET-1070-MS-24-VFR Speaker with Strobe	24 VDC	124	135
Wheelock ET-1070-SLM-VFR Speaker with Strobe	24 VDC	150	138
Wheelock ET-1080-IS-24-VFR Speaker with Strobe	24 VDC	200	233
Wheelock ET-1080-LS-24-VFR Speaker with Strobe (ULC)	24 VDC	100	96
Wheelock ET-1080-LSM-24-VFR Speaker with Strobe	24 VDC	125	115
Wheelock ET-1080-MS-24-VFR Speaker with Strobe	24 VDC	124	135
Wheelock ET-1080-SLM-VFR Speaker with Strobe	24 VDC	150	138
Wheelock ET-1090-IS-24-CFW Speaker with Strobe (ULC)	24 VDC	200	233
Wheelock ET-1090-LS-24-CFW Speaker with Strobe (ULC)	24 VDC	100	96
Wheelock ET-1090-MS-24-CFW Speaker with Strobe (ULC)	24 VDC	124	135
Wheelock HSPW-24-HFR Strobe	24 VDC	280	280

WHEELOCK	Rated Voltage ²	FWR DC	Filtered DC
Notes:			
1) All current draws are shown in milliamperes and reflect worst case average.			
2) Nominal operating voltages shown.			
3) Refer to manufacturer's installation instructions for more information.			
4) * Contact manufacturer for current draws.			
Wheelock HSW-24-HFR Strobe	24 VDC	280	280
Wheelock HS2W-HFR Strobe	24 VDC	280	280
Wheelock IS-24-VFR Strobe	24 VDC	253	240
Wheelock IS1-24-VFR Strobe	24 VDC	253	240
Wheelock IS3-24-VFR Strobe	24 VDC	253	240
Wheelock ISP-24-VFR Strobe	24 VDC	253	240
Wheelock LS-24-VFR Strobe	24 VDC	91	80
Wheelock LSM-24-VFR Strobe	24 VDC	125	115
Wheelock LS1-24-VFR Strobe	24 VDC	91	80
Wheelock LS1M-24-VFR Strobe	24 VDC	91	80
Wheelock LSP-24-HFR Strobe	24 VDC	91	80
Wheelock LSPM-24-VFR Strobe	24 VDC	125	115
Wheelock LS3-24-VFR Strobe	24 VDC	91	80
Wheelock LS3M-24-VFR Strobe	24 VDC	91	80
Wheelock MB-G6-24-R Motor Bell, 6" gong	24VDC	56	40
Wheelock MB-G10-24-R Motor Bell, 10" gong	24VDC	56	40
Wheelock MBS-G6-24-R Motor Bell/Strobe, 6" gong	24VDC	56	40
Wheelock MBS-G10-24-R Motor Bell/Strobe, 10" gong	24VDC	56	40
Wheelock MIZ-24-HSW-HFR Mini-Horn Strobe	24 VDC	292	292
Wheelock Miz-24 MiniPiezo Horn (ULC)	24VDC	*	12
Wheelock MIZ-24-IS-VFR Mini-Horn Strobe	24 VDC	265	252
Wheelock MIZ-24-LS-VFR Mini-Horns Strobe	24 VDC	103	92
Wheelock MIZ-24-LSM-VFR Mini-Horn Strobe	24 VDC	136	122
Wheelock MIZ-24-MS-VFR Mini-Horn Strobe	24 VDC	147	147
Wheelock MIZ-24-WM-VFR Mini-Horns Strobe	24VDC	*	*
Wheelock MIZ-TC24- Mini Horn (ULC)	24 VDC	41	21
Wheelock MS-24-VFR Strobe	24 VDC	125	115
Wheelock MSP-24-HFR Strobe	24 VDC	135	135
Wheelock MS1-24-VFR Strobe	24 VDC	125	115
Wheelock MS3-24-VFR Strobe	24 VDC	125	115
Wheelock MT-24-R Multitone (ULC)	24VDC	48	48
Wheelock MT-24-IS-VFR Multitone Strobe	24 VDC	301	288
Wheelock MT-24-LS-VFR Multitone Strobe	24 VDC	139	128
Wheelock MT-24-LSM-VFR Multitone Strobe	24 VDC	173	148
Wheelock MT-24-MS-VFR Multitone Strobe	24 VDC	183	183
Wheelock MT-24-SL-VFR Multitone/Strobe	24 VDC	100	96
Wheelock MT-24-SLM-VFR Multitone/Strobe	24 VDC	150	138
Wheelock MT-24-WM Multitone Strobe117cd	24VDC	*	88
Wheelock MT-24-WM-VF-R Multitone 117cd	24 VDC	*	88
Wheelock MT4-24-IS-VFR Multitone Strobe	24 VDC	301	208
Wheelock MT4-24-LS-VFR Multitone Strobe	24 VDC	139	128
Wheelock MT4-24-LSM-VFR Multitone Strobe	24 VDC	173	148
Wheelock MT4-24-MS-VFR Multitone Strobe	24 VDC	183	183
Wheelock NS-2415W-FR Horn Strobe	24VDC	101	82
Wheelock NS-241575W-FR Horn Strobe	24VDC	124	99
Wheelock NS-2430W-FR Horn Strobe	24VDC	137	114
Wheelock NS-2475W-FR Horn Strobe	24VDC	235	186
Wheelock NS-24110W-FR Horn Strobe	24VDC	282	230
Wheelock NS-24MCW-FR Horn Strobe (ULC)	24VDC	373 max *	256 max *
Wheelock NS4-2415W-FR Horn Strobe	24VDC	137	103
Wheelock NS4-241575W-FR Horn	24VDC	166	120
Wheelock NS4-2430W-FR Horn Strobe	24VDC	188	136
Wheelock NS4-2475W-FR Horn Strobe	24VDC	274	201
Wheelock NS4-24110W-FR Horn Strobe	24VDC	331	245
Wheelock NS4-24MCW-FR Horn Strobe	24VDC	432 max *	286 max *
Wheelock RS-2415 Strobe	24 VDC	91	80
Wheelock RS-2415W Strobe	24VDC	*	*

WHEELOCK	Rated Voltage²	FWR DC	Filtered DC
Notes:			
1) All current draws are shown in milliamperes and reflect worst case average.			
2) Nominal operating voltages shown.			
3) Refer to manufacturer's installation instructions for more information.			
4) * Contact manufacturer for current draws.			
Wheelock RS-241575 Strobe	24 VDC	125	115
Wheelock RS-241575W Strobe	24VDC	*	*
Wheelock RS-2430 Strobe	24 VDC	135	124
Wheelock RS-2475 Strobe	24 VDC	258	245
Wheelock RS-24110 Strobe	24 VDC	400	295
Wheelock RSS-2415W Strobe	24VDC	63	83
Wheelock RSS-241575W Strobe (ULC)	24VDC	80	105
Wheelock RSS-2430W Strobe	24VDC	100	131
Wheelock RSS-2475W Strobe	24VDC	165	217
Wheelock RSS-24110W Strobe	24VDC	209	274
Wheelock RSS-24MCW-FR/W (ULC)	24VDC	370 max *	235 max *
Wheelock RSSP-24MCW-FR/W (ULC)	24VDC	370 max *	235 max *
Wheelock RSSP-2415W Strobe	24VDC	63	83
Wheelock RSSP-241575W Strobe (ULC)	24VDC	80	105
Wheelock RSSP-2430W Strobe	24VDC	100	131
Wheelock SCM-24-R Synchronized Controller Module	24 VDC	*	*
Wheelock SHW-24-HFR Strobe	24 VDC	*	*
Wheelock SH2W-24-HFR Strobe	24 VDC	*	*
Wheelock SHPW-24-HFR Strobe	24 VDC	*	*
Wheelock SL-24-VFR Strobe	24 VDC	*	*
Wheelock SL1-24-VFR Strobe	24 VDC	*	*
Wheelock SL3-24-VFR Strobe	24 VDC	*	*
Wheelock SLP-24-VFR Strobe	24 VDC	*	*
Wheelock SLM-24-VFR Strobe	24 VDC	*	*
Wheelock SL1M-24-VFR Strobe	24 VDC	*	*
Wheelock SL3M-24-VFR Strobe	24 VDC	*	*
Wheelock SLPM-24-VFR Strobe	24 VDC	*	*
Wheelock SM-12/24 Synchronization Module	24VDC	57	30
Wheelock STH-15S Loud Speaker	N/A	*	*
Wheelock SR-2415 Synchronized Strobe	24 VDC	100	96
Wheelock SR-241575 Synchronized Strobe	24 VDC	178	138
Wheelock AMT-2475-FR Horn Strobe (UL/ULC)	24VDC	261max	267max
Wheelock RSS-2415-CR-FW Strobe (UL/ULC)	24VDC	108	105
Wheelock RSS-2430-CR-FW Strobe (UL/ULC)	24VDC	195	158
Wheelock RSS-2475-CR-FW Strobe (UL/ULC)	24VDC	389	330
Wheelock RSS-24100-CR-FW Strobe (UL/ULC)	24VDC	492	375
Wheelock RSS-24150-CR-FW Strobe (UL/ULC)	24VDC	773	506
Wheelock RSS-24177-CR-FW Strobe (UL/ULC)	24VDC	865	570
Wheelock S25W-Speaker (UL)	25VRMS		
Wheelock S70W-Speaker (UL)	70VRMS		
Wheelock WMT-24-FR, WM1T-24-FR, WM3T-24-FR Strobes	24VDC	*	*

Table 8. UL Listed, Compatible Two-Wire Smoke Detectors Specifications

Model	Detector ID	Detector Type	Base Model	Base ID	Standby Current (uA)
Edwards 6250B	001	Ionization	6251B-001	001	50
Edwards 6264B	001	Ionization	N/A	N/A	50
Edwards 6270B	001	Photoelectric	6251B-001	001	65
Fenwal CPD-7021	I1FE1	Duct	70-211002-000	D22FE1	60
Fenwal CPD-7021	I1FE1	Ionization	70-201000-001 70-201000-002 70-201000-003 70-201000-005	FEO1A FEO2A FEO3A FEO5A	60
Fenwal PSD-7125	P5FE1	Photoelectric	70-201000-001 70-201000-002 70-201000-003 70-201000-005	FEO1A FEO2A FEO3A FEO5A	100
Fenwal PSD-7126	P6FE1	Photo / Thermal	70-201000-001 70-201000-002 70-201000-003 70-201000-005	FEO1A FEO2A FEO3A FEO5A	100
Fenwal PSD-7129	P9FE1	Duct	70-211002-000	D22FE1	100
Hochiki SIH-24F	HD-3	Ionization	HS-22D HS-2-RB YBA-M22 HSB-220 HSB-224	HB-3 HB-10 HB-3 HB-56 HB-5	40
Hochiki SLK-24F/SLK-24FH	HD-3	Photoelectric	HS-22D HS-2-RB YBA-M22 HSB-220 HSB-224	HB-3 HB-10 HB-3 HB-56 HB-53	45
Notifier CP-651	A	Ionization	B401 / B610LP / B616LP	A	120
Notifier SD-651	A	Photoelectric	B401 / B610LP / B616LP	A	120
Simplex 2098-9201	HD-3	Photoelectric	2098-9211	HB-54	45
Simplex 2098-9202	HD-3	Photoelectric	2098-9211	HB-54	45
Simplex 2098-9576	HD-3	Ionization	2098-9211	HB-54	45
System Sensor 2W-B	A	Photoelectric I ³	N/A	N/A	120
System Sensor 2WT-B	A	Photoelectric I ³	N/A	N/A	120
System Sensor DH100P	A	Photoelectric	N/A	N/A	100
System Sensor DH100LP	A	Photoelectric	N/A	N/A	120
System Sensor 1100/D	A	Ionization	N/A	N/A	100
System Sensor 1400	A	Ionization	N/A	N/A	100
System Sensor 1451	A	Ionization	B401 / B401B / B406B	A	120
System Sensor 1451DH	A	Ionization	DH-400	A	120
System Sensor 1800	A	Ionization	N/A	N/A	100
System Sensor 1851B	A	Ionization	B101B	A	120
System Sensor 1851B	A	Ionization	B107B	A	120
System Sensor 1851DH	A	Ionization	DH1851DC	A	120
System Sensor 2100/D/S	A	Photoelectric	N/A	N/A	120
System Sensor 2100T/D/S	A	Photoelectric	N/A	N/A	120
System Sensor 2400	A	Photoelectric	N/A	N/A	120
System Sensor 2400AIT	A	Photo / Isolated Thermal / Horn	N/A	N/A	120
System Sensor 2400AT	A	Photo / Thermal / Horn	N/A	N/A	120
System Sensor 2400TH	A	Photo / Thermal	N/A	N/A	120
System Sensor 2451	A	Photoelectric	B401 / B401B / B406B	A	120

Model	Detector ID	Detector Type	Base Model	Base ID	Standby Current (uA)
System Sensor 2451	A	Photoelectric	DH-400	A	120
System Sensor 2451TH	A	Photo / Thermal	B01 / B401B / B406B	A	120
System Sensor 2800	A	Photoelectric	N/A	N/A	120
System Sensor 2800TH	A	Photo / Thermal	N/A	N/A	120
System Sensor 2851B	A	Photoelectric	B101B	A	120
System Sensor 2851B	A	Photoelectric	B107B	A	120
System Sensor 2851BTH	A	Photoelectric	B101B	A	120
System Sensor 2851BTH	A	Photoelectric	B107B	A	120
System Sensor 2851DH	A	Photoelectric	DH2851DC	A	120

Table 9. Maximum Number of Detectors Per Zone

Detector Model	Base Model	RP-1001 RP-1002 SFP-400	SFP-400B	PAR-3	S500 S5000 IZM-8RK	XPM-8
Note 1: System Sensor & Fenwal detectors can be mixed or matched in any zone, provided maximum detector standby current per loop is not exceeded.						
Note 2: When using two-wire smoke detectors containing supplementary relays or indicators, the operation of more than one detector per zone cannot be ensured.						
Edwards 6250B	6251B-00	N/A	N/A	30 / 1	30 / N/A	30
Edwards 6270B	6251B-00	N/A	N/A	30 / 1	30 / N/A	30
Edwards 6264B	N/A	N/A	N/A	30 / 1	1 / N/A	1
Fenwal CPD-7021	70-211002-000	1	1	1	1	1
Fenwal CPD-7021	70-201000-001 70-201000-002 70-201000-003 70-201000-005	30	30	30	41	60
Fenwal PSD-7125	70-201000-001 70-201000-002 70-201000-003 70-201000-005	20	20	20	25	51
Fenwal PSD-7126	70-201000-001 70-201000-002 70-201000-003 70-201000-005	20	20	20	25	51
Fenwal PSD-7129	70-211002-000	1	1	1	1	N / A
Hochiki SIH-24F	HS-22D HS-2-RB YBA-M22 HSB-220 HSB-224	30*	30	30	35	60
Hochiki SLK-24F	HS-22D HS-2-RB YBA-M22 HSB-220 HSB-224	30*	30*	30*	35	60**
Hochiki SLK-24FH	HS-22D HS-2-RB YBA-M22 HSB-220 HSB-224	30*	30*	30*	35	60**
Notifier CP-651	B401 / B610LP / B616LP	15 / 15 / 1		N/A	20 / 20 / 1	30 / 30 / 1
Notifier SD-651	B401 / B610LP / B616LP	15 / 15 / 1		N/A	20 / 20 / 1	30 / 30 / 1
Simplex 2098-9201	2098-9211	N/A			35	60***
Simplex 2098-9202	2098-9211				35	60***
Simplex 2098-9576	2098-9211				35	60
System Sensor 2W-B	N/A	N/A				16
System Sensor 2WT-B	N/A	N/A				16
System Sensor DH100P	N/A	20	20	20	25	30

Detector Model	Base Model	RP-1001 RP-1002 SFP-400	SFP-400B	PAR-3	S500 S5000 IZM-8RK	XPM-8
Note 1: System Sensor & Fenwal detectors can be mixed or matched in any zone, provided maximum detector standby current per loop is not exceeded.						
Note 2: When using two-wire smoke detectors containing supplementary relays or indicators, the operation of more than one detector per zone cannot be ensured.						
System Sensor DH100LP	N/A	20	N/A	20	20	16
System Sensor 1100/D	N/A	20	20	20	25	36
System Sensor 1400	N/A	20	20	20	25	36
System Sensor 1451	B401 /	15 /	15 /	15 /	20 /	30 /
	B401B /	15 /	15 /	15 /	20 /	30 /
	B406B	1	/1	1	1	1
System Sensor 1451DH	DH-400	15	15	15	20	30
System Sensor 1851DH	DH1851DC	15	15	15	20	30
System Sensor 2100/D/S	N/A	20	20	20	25	30
System Sensor 2100T/D/S	N/A	20	20	20	25	30
System Sensor 2400	N/A	15	15	15	20	30
System Sensor 2400AIT	N/A	1	1	1	1	1
System Sensor 2400AT	N/A	1	1	1	1	1
System Sensor 2400TH	N/A	15	15	15	20	30
System Sensor 2451	DH-400	15	15	15	20	30
System Sensor 2451	B401 /	15 /	15 /	15 /	20 /	30 /
	B401B /	15 /	15 /	15 /	20 /	30 /
	B406B	1	1	1	1	1
System Sensor 2451TH	B401 /	15 /	15 /	15 /	20 /	30 /
	B401B /	15 /	15 /	15 /	20 /	30 /
	B406B	1	1	1	1	1
System Sensor 2851DH	DH2851DC	15	15	15	20	30

Detector Model	Base Model	SGL-2000	SGL-404	MMX-2 FZM-1	SFP-1024	SFP-2402 SFP-2404	XP6-MA
Note 1: System Sensor & Fenwal detectors can be mixed or matched in any zone, provided maximum detector standby current per loop is not exceeded.							
Note 2: When using two-wire smoke detectors containing supplementary relays or indicators, the operation of more than one detector per zone cannot be ensured.							
Note 3: A suffix "A" must be placed at the end of System Sensor part numbers when purchasing detectors for Canadian Applications.							
System Sensor 2W-B	N/A	N/A				16	20
System Sensor 2WT-B	N/A	N/A				16	20
System Sensor DH100P	N/A	20	N/A	20	20	16	N/A
System Sensor DH100LP	N/A	20	N/A	20	20	16	20
System Sensor 1100/D	N/A	20	N/A	24	20	20	20/NA
System Sensor 1400	N/A	16	16	24	20	20	20
System Sensor 1451	B401 /	16 /	16 /	20 /	16 /	N/A /	20 /
	B401B /	16 /	16 /	20 /	16 /	16 /	20 /
	B406B	1	1	1	1	1	1
System Sensor 1451DH	DH-400	16	16	20	16	16	20
System Sensor 1800	N / A	N/A		24	N/A		N/A
System Sensor 1851B	B101B	N/A		20	N/A		N/A
System Sensor 1851B	B107B	N/A		1	N/A		N/A
System Sensor 1851DH	DH1851DC	16	16	20	16	16	N/A
System Sensor 2100/D/S	N/A	20	N/A	24	20	16	N/A/20/20
System Sensor 2100T/D/S	N/A	20	N/A	24	20	16	NA/20/20

Detector Model	Base Model	SGL-2000	SGL-404	MMX-2 FZM-1	SFP-1024	SFP-2402 SFP-2404	XP6-MA
Note 1: System Sensor & Fenwal detectors can be mixed or matched in any zone, provided maximum detector standby current per loop is not exceeded. Note 2: When using two-wire smoke detectors containing supplementary relays or indicators, the operation of more than one detector per zone cannot be ensured. Note 3: A suffix "A" must be placed at the end of System Sensor part numbers when purchasing detectors for Canadian Applications.							
System Sensor 2400	N/A	16	16	20	16	16	20
System Sensor 2400AIT	N/A	1	1	1	1	1	N/A
System Sensor 2400AT	N/A	1	1	1	1	1	N/A
System Sensor 2400TH	N/A	16	16	20	16	16	20
System Sensor 2451	B401 / B401B / B406B	16 / 16 / 1	16 / 16 / 1	20 / 20 / 1	16 / 16 / 1	N/A / 16 / 1	20 / 20 / 1
System Sensor 2451TH	B401 / B401B / B406B	16 / 16 / 1	16 / 16 / 1	20 / 20 / 1	16 / 16 / 1	N/A / 16 / 1	20 / 20 / 1
System Sensor 2851DH	DH2851DC	16	16	20	20	16	N/A
System Sensor 2451	DH-400	16	16	20	16	16	
System Sensor 2800	N / A	N/A	N/A	20	N/A	N/A	N/A
System Sensor 2800TH	N / A			20			
System Sensor 2851B	B101B			20			
System Sensor 2851B	B107B			1			
System Sensor 2851BTH	B101B			20			
System Sensor 2851BTH	B107B			1			

Detector Model	Base Model	SGL-2000	SGL-404	MMX-2 FZM-1	SFP-1024
*20 SLK plus 10 SIH max. **30 SLK plus 30 SIH max. ***30 2098-9200 Series plus 30 2098-9576 Note 1: System Sensor & Fenwal detectors can be mixed or matched in any zone, provided maximum detector standby current per loop is not exceeded. Note 2: When using two-wire smoke detectors containing supplementary relays or indicators, the operation of more than one detector per zone cannot be ensured.					
Edwards 6250B	6251B-00	N/A	N/A	20	25
Edwards 6264B	N/A	N/A	N/A	1	1
Edwards 6270B	6251B-00	N/A	N/A	20	25
Notifier SD-651	B401 / B610LP / B616LP	16 / 16 / 1	16 / 16 / 1	20 / 20 / 1	16 / 16 / 1
Fenwal CPD-7021	70-211002-000	1	1	1	N/A
Fenwal CPD-7021	70-201000-001 70-201000-002 70-201000-003 70-201000-005	33	33	40	
Fenwal PSD-7125	70-201000-001 70-201000-002 70-201000-003 70-201000-005	20	20	24	
Fenwal PSD-7126	70-201000-001 70-201000-002 70-201000-003 70-201000-005	20	20	24	
Fenwal PSD-7129	70-211002-000	1	1	1	
Hochiki SIH-24F	HS-22D HS-2-RB YBA-M22 HSB-220 HSB-224	30	30 N/A 30 30 30	25 1 25 25 N/A	

Detector Model	Base Model	SGL-2000	SGL-404	MMX-2 FZM-1	SFP-1024
*20 SLK plus 10 SIH max. **30 SLK plus 30 SIH max. ***30 2098-9200 Series plus 30 2098-9576 Note 1: System Sensor & Fenwal detectors can be mixed or matched in any zone, provided maximum detector standby current per loop is not exceeded. Note 2: When using two-wire smoke detectors containing supplementary relays or indicators, the operation of more than one detector per zone cannot be ensured.					
Hochiki SLK-24F	HS-22D HS-2-RB YBA-M22 HSB-220 HSB-224	30*	30* N/A 30* 30* 30*	25 1 25 25 N/A	N/A
Hochiki SLK-24FH	HS-22D HS-2-RB YBA-M22 HSB-220 HSB-224	30*	30* N/A 30* 30* 30*	25 1 25 25 N/A	
Notifier CP-651	B401 / B610LP / B616LP	16 / 16 / 1	16 / 16 / 1	20 / 20 / 1	16 / 16 / 1
Notifier SD-651	B401 / B610LP / B616LP	16 / 16 / 1	16 / 16 / 1	20 / 20 / 1	16 / 16 / 1
Simplex 2098-9201	2098-9211	N/A	N/A	20	10
Simplex 2098-9202	2098-9211			20	10
Simplex 2098-9576	2098-9211			20	10