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# Device Compatibility Document

Document 51352  
04/18/2001

Rev: **B**

PN 51352:B0 ECN 01-201

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## Control Panel Circuit Specifications

### **Unimode 4-16** (IZ-4 / IZE-A / IZ-8)

#### **Unimode II** (IZM-8 / IZE-A)

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

### **Unimode 5**

Initiating Device Circuit Voltage: 17.1 - 25.0VDC  
 Max Detector Circuit Standby Current: 2.0mA/circuit  
 Compatibility Identifier: "A"  
 NAC Power: Full Wave Rectified

### **Unimode 10**

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

### **Unimode 200** (M302, MMF-302)

Initiating loop voltage: 16-27.5 VDC  
 Compatibility Identifier: "A"  
 NAC Power: Full Wave Rectified

### **Unimode 300 / 400**

NAC Power: MPS-400 Filtered

### **Unimode 1010/2020** (MMX-2, FZM-1)

NAC Power: MPS-24A Filtered

### **Unimode 9600** (M302, MMF-302)

Initiating loop voltage: 16-27.5 VDC  
 Compatibility Identifier: "A"  
 NAC Power: Filtered

## Accessories Circuit Specifications

### **ADT-APS-6R**

#### **Auxiliary Power Supply**

Use with the Unimode 4-16, Unimode II, Unimode 300, Unimode 400, Unimode 1010/2020 control panels  
 NAC Power: Filtered

### **AVPS-24**

#### **Audio Visual Power Supply**

Use with the Unimode 4-16, Unimode II, Unimode 300, Unimode 400, Unimode 1010/2020 control panels  
 NAC Power: Full Wave Rectified

### **FCPS-24**

#### **Field Charger Power Supply**

Input voltage: 9 to 32VDC  
 Notification Circuit output: 19.1 to 26.4VDC  
 NAC Power: Filtered

### **M302** (Firelite)

### **MMX-2** (Notifier)

### **FZM-1** (Notifier)

### **M502M** (System Sensor)

### **M302MADT**

### **MMF-302**

Initiating loop voltage: 16 - 27.5 VDC  
 Compatibility Identifier: "A"

**Compatible Two-Wire Smoke Detectors (UL Listed)**

<b>Model</b>	<b>Detector ID</b>	<b>Detector Type</b>	<b>Base Model</b>	<b>Base ID</b>	<b>Standby Current (uA)</b>
System Sensor 1400	A	Ion	N/A	N/A	100
System Sensor 1451	A	Ion	B401B / B406B	A	120
System Sensor 1851DH	A	Ion	DH1851DC	A	120
System Sensor 2400	A	Photo	N/A	N/A	120
System Sensor 2400AIT	A	Photo / Iso. Therm. / Horn	N/A	N/A	120
System Sensor 2400AT	A	Photo / Therm. / Horn	N/A	N/A	120
System Sensor 2400TH	A	Photo / Therm.	N/A	N/A	120
System Sensor 2451	A	Photo	B401B / B406B	A	120
System Sensor 2451ITH	A	Photo / Therm.	B401B / B406B	A	120
System Sensor 2851DH	A	Photo	DH2851DC	A	120
System Sensor 1451DH	A	Ion	DH-400	A	120
System Sensor 2451	A	Photo	DH-400	A	120
System Sensor 1800	A	Ion	N/A	N/A	120
System Sensor 1851B	A	Ion	B101B	A	120
System Sensor 1851B	A	Ion	B107B	A	120
System Sensor 2800	A	Photo	N/A	N/A	120
System Sensor 2800TH	A	Photo / Therm.	N/A	N/A	120
System Sensor 2851B	A	Photo	B101B	A	120
System Sensor 2851B	A	Photo	B107B	A	120
System Sensor 2851BTH	A	Photo / Therm.	B101B	A	120
System Sensor 2851BTH	A	Photo / Therm.	B107B	A	120
System Sensor 1151	A	Ion	B401 / B110LP / B116LP	A	120
System Sensor 2151	A	Photo	B401 / B110LP / B116LP	A	120
System Sensor 1100/D	A	Ionization	N/A	N/A	100
System Sensor 2100/D/S	A	Photoelectric	N/A	N/A	100
System Sensor 2100T/D/S	A	Photoelectric	N/A	N/A	100
System Sensor DH100P	A	Photoelectric	N/A	N/A	100
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 CPD-7021	I1FE1	Ionization	70-201000-001 70-201000-002 70-201000-003 70-201000-005	FEO1A FEO2A FEO3A FEO5A	60
Fenwal PSD-7129	P9FE1	Duct	70-211002-000	D22FE1	100
Fenwal CPD-7021	I1FE1	Duct	70-211002-000	D22FE1	60

Compatible Two-Wire Smoke Detectors (UL Listed)

<b>Model</b>	<b>Detector ID</b>	<b>Detector Type</b>	<b>Base Model</b>	<b>Base ID</b>	<b>Standby Current (uA)</b>
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	HD-3	Photoelectric	HS-22D HS-2-RB YBA-M22 HSB-220 HSB-224	HB-3 HB-10 HB-3 HB-56 HB-5	45
Hochiki 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-5	45
Edwards 6250B	001	Ionization	6251B-001	001	50
Edwards 6270B	001	Photoelectric	6251B-00	001	65
Edwards 6264B	001	Ionization	N/A	N/A	50
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	40
ADT 3536-612	S10	Ionization	3536-601	S00	50
ADT 3536-611	S10	Photo/Thermal	3536-601	S00	50
ADT 3536-611IT	S10	Photo/Thermal	3536-601	S00	50
ADT 3534-2CT	S10	Photoelectric	N/A	N/A	50

## Maximum Number of Detectors per Zone

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 & Fenwal Detectors can be mixed or matched in any zone, provided maximum detector standby current per loop is not exceeded.

A suffix “A” must be placed at the end of the System Sensor part number when purchasing detectors for Canadian applications.

Detector Model Number	Base Model Number	Unimode 5 Unimode 10	Unimode 4-16 Unimode II	XPM-8	M502M MMF-302 M-302 M302MADT MMX-2 FZM-1
System Sensor 1400	N/A	20	25	36	20
System Sensor 1451	B401/B401B/B406B	NA/16/1	20/20/1	30/30/1	20/20/N/A
System Sensor 1851DH	DH1851DC	16	20	30	N/A
System Sensor 2400	N/A	16	20	30	20
System Sensor 2400AIT	N/A	1	1	1	N/A
System Sensor 2400AT	N/A	1	1	1	N/A
System Sensor 2400TH	N/A	16	20	30	20
System Sensor 2451	B401/B401B/B406B	NA/16/1	20/20/1	30/30/1	20/20/N/A
System Sensor 2451TH	B401/B401B/B406B	NA/16/1	20/20/1	30/30/1	20/20/N/A
System Sensor 2851DH	DH2851DC	16	20	30	N/A
System Sensor 1451DH	DH-400	16	20	30	N/A
System Sensor 2451	DH-400	16	20	30	N/A
System Sensor 1151	B401/B110LP/B116LP	16/16/1	N/A	N/A	20/20/N/A
System Sensor 2151	B401/B110LP/B116LP	16/16/1	N/A	N/A	20/20/N/A
System Sensor 1100/D	N/A	20	25	36	20
System Sensor 2100/D/S	N/A	20	25	30	20
System Sensor 2100T/D/S	N/A	20	25	30	20
System Sensor DH100P	N/A	20	25	30	20
Notifier CP-651	B401/B610LP/B616LP	N/A	20 / 20 / 1	30 / 30 / 1	20 / 20 / 1
Notifier SD-651	B401/B610LP/B616LP	N/A	20 / 20 / 1	30 / 30 / 1	20 / 20 / 1
Fenwal PSD-7125	70-201000-001 70-201000-002 70-201000-003 70-201000-005	20	25	51	24
Fenwal PSD-7126	70-201000-001 70-201000-002 70-201000-003 70-201000-005	20	25	51	24
Fenwal CPD-7021	70-201000-001 70-201000-002 70-201000-003 70-201000-005	25	41	60	40
Fenwal PSD-7129	70-211002-000	1	1	N / A	1
Fenwal CPD-7021	70-211002-000	1	1	1	1
Hochiki SIH-24F	HS-22D HS-2-RB YBA-M22 HSB-220 HSB-224	N/A	35	60	25 1 25 25 N/A

Maximum Number of Detectors per Zone

Detector Model Number	Base Model Number	Unimode 5 Unimode 10	Unimode 4-16 Unimode II	XPM-8	M502M MMF-302 M-302 M302MADT MMX-2 FZM-1
Hochiki SLK-24F	HS-22D HS-2-RB YBA-M22 HSB-220 HSB-224	N/A	35	60**	25 1 25 25 N/A
Hochiki SLK-24FH	HS-22D HS-2-RB YBA-M22 HSB-220 HSB-224	N/A	35	60**	25 1 25 25 N/A
Edwards 6250B	6251B-00	N/A	30 / N/A	30 / N/A	20 / N/A
Edwards 6270B	6251B-00	N/A	30 / N/A	30 / N/A	20 / N/A
Edwards 6264B	N/A	N/A	1 / N/A	1 / N/A	1 / N/A
Simplex 2098-9201	2098-9211	N/A	35	60***	20
Simplex 2098-9202	2098-9211	N/A	35	60***	20
Simplex 2098-9576	2098-9211	N/A	35	60	20
ADT 3536-612	3536-601	N/A	35	N/A	N/A
ADT 3536-611	3536-601	N/A	35	N/A	N/A
ADT 3536-611T	3536-601	N/A	35	N/A	N/A
ADT 3534-2CT	N/A	N/A	35	N/A	N/A
** 30 SLK plus 10 SIH max *** 30 2098-9200 Series plus 30 2098-9576					

## Four-Wire Smoke Detectors (UL Listed)

Smoke Detector/Base	Detector Type	Max Standby Current (mA)	Alarm Current (mA)
System Sensor 2424	Photoelectric	0.10	41
System Sensor 2424TH	Photoelectric	0.10	41
System Sensor 2451	Photoelectric	0.10	39
System Sensor 2451ITH (with/B402B Base)	Photoelectric	0.10	39
System Sensor 1424	Ionization	0.10	41
System Sensor 1451 (w/B402B Base)	Ionization	0.10	39
System Sensor B612LP	Base	*	39
System Sensor B614LP	Base	*	75
System Sensor B404B	Base	*	*
System Sensor DH400ACDCI	Ionization Duct	25	95
System Sensor DH400ACDCP	Photoelectric Duct	25	95
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 2112/24AITR	Photoelectric	0.50	60/70
System Sensor DH100ACDC	Photoelectric	0.15	0.70
Hochiki SPB-24	Projected Beam	0.25	*
Hochiki HS-2 RB/4	Base	*	*
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 824T	Photoelectric	0.50	60
Gentex 824CP	Photoelectric	0.50	60
Gentex 824CPT	Photoelectric	0.50	60
* Contact manufacturer for current draws			



## Notification Appliances (UL Listed)

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.

- Rated voltage is nominal operating voltage
- All currents are in milliamperes and worst case average

## System Sensor

MODEL NUMBER & NOMENCLATURE	Rated Voltage	FWR DC	Filtered DC
MA-12/24D Electronic Sounder	12VDC/24VDC	*/73	*/46
SS24 Strobe	24VDC	*	30
SS24LO Strobe	24VDC	45	25
SS24LOC Ceiling Strobe (SS24LOBC - beige)	24VDC	45	25
SS24M Strobe	24VDC	125	75
SS24MC Ceiling Strobe	24VDC	125	75
MASS24D Electronic Sounder/Strobe	24VDC	118	71
MASS24LO Electronic Sounder/Strobe	24VDC	118	71
MASS24LOC Electronic Ceiling Sounder/Strobe	24VDC	118	71
MASS24LOLA Electronic Sounder/Strobe with Fuego lens	24VDC	118	71
MASS24M Electronic Sounder/Strobe	24VDC	198	121
MASS24MC Electronic Ceiling Sounder/Strobe	24VDC	198	121
PA400R Sounder	12VDC/24VDC	*	12/15
PS24LO Add-on Strobe	24VDC	45	25
SS2415ADA Signaling Strobe	24VDC	90	75
SS2475ADA Signaling Strobe	24VDC	200	170
SS24110ADA Signaling Strobe	24VDC	245	210
SS241575ADA Signaling Strobe	24VDC	120	93
SS2415ADAS Signaling Strobe with Synch. Circuit	24VDC	125	106
SS241575ADAS Signaling Strobe with Synch. Circuit	24VDC	180	115
MASS2415ADA Sounder/Signaling Strobe	24VDC	163	121
MASS2475ADA Sounder/Signaling Strobe	24VDC	273	216
MASS24110ADA Sounder/Signaling Strobe	24VDC	318	256
MASS241575ADA Sounder/Signaling Strobe	24VDC	193	139
MASS2415ADAS Sounder/Signaling Strobe w/ Synch. Ckt.	24VDC	163	121
MASS241575ADAS Sounder/Signaling Strobe w/ Synch. Ckt.	24VDC	193	139
PS2415ADA Mini-Sounder/Strobe	24VDC	110	90
PS2475ADA Mini-Sounder/Strobe	24VDC	135	108
PS241575ADA Mini-Sounder/Strobe	24VDC	135	108
PS24110ADA Mini-Sounder/Strobe	24VDC	240	225
SP1R2415ADA Speaker/Signaling Strobe	24VDC	90	75
SP1R2475ADA Speaker/Signaling Strobe	24VDC	200	170
SP1R24110ADA Speaker/Signaling Strobe	24VDC	245	210
SP1R241575ADA Speaker/Signaling Strobe	24VDC	120	93
V4R2415ADA Speaker/Signaling Strobe	24VDC	90	75

<b>MODEL NUMBER &amp; NOMENCLATURE</b>	<b>Rated Voltage</b>	<b>FWR DC</b>	<b>Filtered DC</b>
V4R2475ADA Speaker/Signaling Strobe	24VDC	200	170
V4R24110ADA Speaker/Signaling Strobe	24VDC	245	210
V4R241575ADA Speaker/Signaling Strobe	24VDC	120	93
SP100W24LOC Ceiling Speaker/Strobe, 8" round grille	24VDC	45	25
SP101R24LO Speaker/Strobe, 5" square grille	24VDC	45	25
SP101R24M Speaker/Strobe, 5" square grille	24VDC	125	75
SP100W24MC Ceiling Speaker/Strobe, 8" round grille	24VDC	125	75
MA12/24EH Multi Alert Horn with Mechanical Tone	12VDC/24VDC	20/64	38/43
MAEH24LO Multi Alert Horn with Mechanical Tone/Strobe	24VDC	109	68
MAEH24LOC Multi Alert Horn with Mechanical Tone/Strobe	24VDC	109	68
MAEH24LOLA Multi Alert Horn with Mechanical Tone/Strobe	24VDC	153	96
MAEH24M Multi Alert Horn with Mechanical Tone/Strobe	24VDC	189	118
MAEH24MC Multi Alert Horn with Mechanical Tone/Strobe	24VDC	189	118
MAEH2415ADA Multi Alert Horn with Mechanical Tone/Strobe	24VDC	278	216
MAEH2475ADA Multi Alert Horn with Mechanical Tone/Strobe	24VDC	273	216
MAEH241575ADA Multi Alert Horn with Mechanical Tone/Strobe	24VDC	343	271
MAEH24110ADA Multi Alert Horn with Mechanical Tone/Strobe	24VDC	318	256
MAEH2415ADAS Multi Alert Horn with Mechanical Tone/Strobe	24VDC	198	152
MAEH241575ADAS Multi Alert Horn with Mechanical Tone/Strobe	24VDC	253	241
H24 SpectrAlert Horn <sup>1</sup>	24VDC	45	37
S2415 SpectrAlert Strobe <sup>1</sup>	24VDC	61	50
S241575 SpectrAlert Strobe <sup>1</sup>	24VDC	65	56
SC24115 SpectrAlert Ceiling Mount Strobe	24VDC	.293	.293
SC24177 SpectrAlert Ceiling Mount Strobe	24VDC	.453	.453
S2430 SpectrAlert Strobe	24VDC	84	78
S2475 SpectrAlert Strobe <sup>1</sup>	24VDC	170	145
S24110 SpectrAlert Strobe <sup>1</sup>	24VDC	220	169
P2415, P2415W, PC2415 SpectrAlert Horn/Strobe <sup>1</sup>	24VDC	106	75
PC24115 SpectrAlert Ceiling Mount Horn/Strobe	24VDC	.308	.308
PC24177 SpectrAlert Ceiling Mount Horn/Strobe	24VDC	.471	.471
P241575 SpectrAlert Horn/Strobe <sup>1</sup>	24VDC	107	81
P2430 SpectrAlert Horn/Strobe <sup>1</sup>	24VDC	121	102
P2475 SpectrAlert Horn/Strobe <sup>1</sup>	24VDC	196	169
P24110 SpectrAlert Horn/Strobe <sup>1</sup>	24VDC	246	193
RP2415ADA Retrofit Strobe Plate	24VDC	90	75
RP241575ADA Retrofit Strobe Plate	24VDC	120	93
RP2475ADA Retrofit Strobe Plate	24VDC	200	170
RP24110ADA Retrofit Strobe Plate	24VDC	245	210
MDL / MDLW Sync Modules for use with SpectraAlert series	12VDC/24VDC	12/15	10/11
SP2R2415 SpectrAlert Speaker Strobe <sup>1</sup>	24VDC	61	50
SP2R2430 SpectrAlert Speaker Strobe <sup>1</sup>	24VDC	84	78
SP2R2415/75 SpectrAlert Speaker Strobe <sup>1</sup>	24VDC	65	56

MODEL NUMBER & NOMENCLATURE	Rated Voltage	FWR DC	Filtered DC
SP2R2475 SpectrAlert Speaker Strobe <sup>1</sup>	24VDC	170	145
SP2R24110 SpectrAlert Speaker Strobe <sup>1</sup>	24VDC	220	169
SP2C24115 SpectrAlert Ceiling Mount Speaker Strobe <sup>1</sup>	24VDC	.290	.290
SP2C24177 SpectrAlert Ceiling Mount Speaker Strobe <sup>1</sup>	24VDC	.453	.453
CH12/24 Electronic Chime/Sounder	12VDC/24VDC	70	70
Note 1. Refer to manufacturer's installation instructions for more information. * Contact manufacturer for current draws			

## Gentex

MODEL NUMBER & NOMENCLATURE	Rated Voltage	FWR DC	Filtered DC
GXS-4RH, 4BH, 4RL, 4BL Strobes	24VDC	*	*
GXS-4-15 Strobe	24VDC	110	86
GXS-4-15-1 Strobe	24VDC	110	86
GXS-4-1575 Strobe	24VDC	180	135
GXS-4-30 Strobe	24VDC	224	165
GXS-4-60 Strobe	24VDC	180	130
GXS-4-3075 Strobe	24VDC	224	165
GXS-4-110 Strobe	24VDC	310	240
GXS-4-110-1 Strobe	24VDC	310	240
GX-90-4 Horn	24VDC	18	18
GX-90S-4RL and -4BL Horn with Strobe	24VDC	*	*
GX-90S-4RH and -4BH Horn with Strobe	24VDC	*	*
GX90S-4-15 Horn with Strobe	24VDC	78	57
GX90S-4-15-1 Horn with Strobe	24VDC	120	104
GX90S-4-1575 Horn with Strobe	24VDC	193	153
GX90S-4-110 Horn with Strobe	24VDC	158	123
GX90S-4-110-1 Horn with Strobe	24VDC	338	258
HG124 Electronic Horn	12VDC/24VDC	*/26	*/21
SHG-24L Electronic Horn with Strobe	24VDC	*	*
SHG-24H Electronic Horn with Strobe	24VDC	*	*
SHG24-15 Electronic Horn with Strobe	24VDC	136	107
SHG24-15-1 Electronic Horn with Strobe	24VDC	166	141
SHG24-1575 Electronic Horn with Strobe	24VDC	206	156
SHG24-30 Electronic Horn with Strobe	24VDC	224	165
SHG24-60 Electronic Horn with Strobe	24VDC	180	130
SHG24-3075 Electronic Horn with Strobe	24VDC	250	191
SHG24-110 Electronic Horn with Strobe	24VDC	146	161
SHG24-110-1 Electronic Horn with Strobe	24VDC	336	261
SPK4-15 Speaker with Strobe	24VDC	110	86
SPK4-1575 Speaker with Strobe	24VDC	140	120

<b>MODEL NUMBER &amp; NOMENCLATURE</b>	<b>Rated Voltage</b>	<b>FWR DC</b>	<b>Filtered DC</b>
SPK4-110 Speaker with Strobe	24VDC	310	240
SPK8-15 Speaker with Strobe	24VDC	110	86
SPK8-1575 Speaker with Strobe	24VDC	140	120
SPK8-110 Speaker with Strobe	24VDC	310	240
SPK4-15-1 Speaker with Strobe	24VDC	100	86
SPK4-24-3075 Speaker with Strobe	24VDC	224	165
SPK4-110-1 Speaker with Strobe	24VDC	310	240
SPK8-15-1 Speaker with Strobe	24VDC	110	86
SPK8-24-3075 Speaker with Strobe	24VDC	224	165
SPK8-110-1B Speaker with Strobe	24VDC	310	240
GMH-24 Electro-Mechanical Horn	24VDC	38	38
GMS-24-15 Electro-Mechanical Horn with Strobe	24VDC	148	124
GMS-24-15-1 Electro-Mechanical Horn with Strobe	24VDC	138	129
GMS-24-1575-1 Electro-Mechanical Horn with Strobe	24VDC	218	173
GMS-24--3075 Electro-Mechanical Horn with Strobe	24VDC	262	203
GMS-24-110 Electro-Mechanical Horn with Strobe	24VDC	115	131
GMS-24-110-1 Electro-Mechanical Horn with Strobe	24VDC	348	278
WGMS-24-75 Weatherproof Electro-Mechanical Horn with Strobe	24VDC	153	153
SHG 24-60Electronic Horn with Strobe	24VDC	*	*
SHG 24-3075 Electronic Horn with Strobe	24VDC	250	186
SPKE4 Speaker	24VDC	*	*
SPKE8 Speaker	24VDC	*	*
SPKE4-15-1 Speaker with strobe	24VDC	100	86
SPKE4-15/75 Speaker with strobe	24VDC	125	105
SPKE4-30/75 Speaker with strobe	24VDC	224	165
SPKE4-15/75-C Speaker with strobe	24VDC	125	237
SPKE4-60 Speaker with strobe	24VDC	*	36
SPKE4-110-1 Speaker with strobe	24VDC	298	105
SPKE8-15-1 Speaker with strobe	24VDC	100	78
SPKE8-15/75 Speaker with strobe	24VDC	125	105
SPKE8-30/75 Speaker with strobe	24VDC	193	142
SPKE8-15/75-C Speaker	24VDC	125	105
SPKE8-60Speaker with strobe	24VDC	*	78
SPKE8-110-1 Speaker with strobe	24VDC	310	240
GOT-24 Multi-Tone Horn	24VDC	64	64
GOS-24-15-1 Multi-Tone Horn/Strobe	24VDC	174	150
GOS-24-3075-1 Multi-Tone Horn/Strobe	24VDC	229	288
GOS-24-1575-1 Multi-Tone Horn/Strobe	24VDC	299	199
GOS-24-110-1 Multi-Tone Horn/Strobe	24VDC	374	304
HS24-15 Multi-Tone Horn/Strobe	24VDC	101	89
HS24-15/75 Multi-Tone Horn/Strobe	24VDC	120	104
HS24-30 Multi-Tone Horn/Strobe	24VDC	120	104
HS24-60 Multi-Tone Horn/Strobe	24VDC	162	135

MODEL NUMBER & NOMENCLATURE	Rated Voltage	FWR DC	Filtered DC
HS24-110 Multi-Tone Horn/Strobe	24VDC	185	156
ST24-15 Strobe	24VDC	73	54
ST24-15/75 Strobe	24VDC	92	69
ST24-30 Strobe	24VDC	92	69
ST24-60 Strobe	24VDC	134	100
ST24-110 Strobe	24VDC	157	121
* Contact manufacturer for current draws.			

## Wheelock

MODEL NUMBER & NOMENCLATURE	Rated Voltage	FWR DC	Filtered DC
7002T-24 Horn with Strobe	24VDC	*	*
WMT-24-FR, WMIT-24-FR, WM3T-24-FR Strobes	24VDC	*	*
EH-DL1-WM-24-VF-R Electronic Horn Strobes	24VDC	*	*
EH-EL1-WM-24-VF-R Electronic Horn Strobes	24VDC	*	*
AES-DL1-WM-24-VF-R Multi-Tone Signals	24VDC	*	*
AES-EL1-WM-24-VF-R Multi-Tone Signals	24VDC	*	*
AES-DL1-LSM-24 Horn Strobe	24VDC	*	*
AES-EL1-LSM-24 Horn Strobe	24VDC	*	*
MB-G6-24-R Motor Bell, 6" gong	24VDC	56	40
MB-G10-24-R Motor Bell, 10" gong	24VDC	56	40
MBS-G6-24-R Motor Bell/Strobe, 6" gong	24VDC	56	40
MBS-G10-24-R Motor Bell/Strobe, 10" gong	24VDC	56	40
Miz-24 MiniPiezo Horn	24VDC	*	12
MIZ-24-WM-VFR Mini-Horns Strobe	24VDC	*	*
MIZ-24-LS-VFR Mini-Horns Strobe	24VDC	103	92
MIZ-24-LSM-VFR Mini-Horn Strobe	24VDC	136	122
MIZ-24-MS-VFR Mini-Horn Strobe	24VDC	147	147
MIZ-24-IS-VFR Mini-Horn Strobe	24VDC	265	252
MIZ-24-HSW-HFR Mini-Horns Strobe	24VDC	292	292
LS-24-VFR Strobe	24VDC	91	80
LS1-24-VFR Strobe	24VDC	91	80
LS3-24-VFR Strobe	24VDC	91	80
LSP-24-HFR Strobe	24VDC	91	80
LS-24-VFR Strobe	24VDC	91	80
LS1-24-VFR Strobe	24VDC	91	80
LS3-24-VFR Strobe	24VDC	91	80
LSP-24-HFR Strobe	24VDC	91	80
LSM-24-VFR Strobe	24VDC	125	115
LS1M-24-VFR Strobe	24VDC	91	80
LS3M-24-VFR Strobe	24VDC	91	80

<b>MODEL NUMBER &amp; NOMENCLATURE</b>	<b>Rated Voltage</b>	<b>FWR DC</b>	<b>Filtered DC</b>
LSPM-24-VFR Strobe	24VDC	125	115
MS-24-VFR Strobe	24VDC	125	115
MS1-24-VFR Strobe	24VDC	125	115
MS3-24-VFR Strobe	24VDC	125	115
MSP-24-HFR Strobe	24VDC	135	135
IS-24-VFR Strobe	24VDC	253	240
IS1-24-VFR Strobe	24VDC	253	240
IS3-24-VFR Strobe	24VDC	253	240
ISP-24-VFR Strobe	24VDC	253	240
MT-24-WM MultiTone Strobe117cd	24VDC	*	88
MT-12/24-R MultiTone	12VDC/24VDC	*/48	*/48
MT-24-WM-VF-R MultiTone 117cd	24VDC	*	88
MT-24-LS-VFR MultiTone Strobe	24VDC	139	128
MT-24-LSM-VFR Multi Tone Strobe	24VDC	173	148
MT-24-MS-VFR Multi Tone Strobe	24VDC	183	183
MT-24-IS-VFR Multi Tone Strobe	24VDC	301	288
MT4-24-LS-VFR MultiTone Strobe	24VDC	139	128
MT4-24-LSM-VFR Multi Tone Strobe	24VDC	173	148
MT4-24-MS-VFR Multi Tone Strobe	24VDC	183	183
MT4-24-IS-VFR Multi Tone Strobe	24VDC	301	208
HSW-24-HFR Strobe	24VDC	280	280
HS2W-HFR Strobe	24VDC	280	280
HSPW-24-HFR Strobe	24VDC	280	280
ET-1070-LS-24-VFR Speaker with Strobe	24VDC	74	81
ET-1070-LSM-24-VFR Speaker with Strobe	24VDC	100	125
ET-1070-MS-24-VFR Speaker with Strobe	24VDC	124	135
ET-1070-IS-24-VFR Speaker with Strobe	24VDC	200	233
ET-1080-LS-24-VFR Speaker with Strobe	24VDC	74	81
ET-1080-LSM-24-VFR Speaker with Strobe	24VDC	100	125
ET-1080-MS-24-VFR Speaker with Strobe	24VDC	124	135
ET-1080-IS-24-VFR Speaker with Strobe	24VDC	200	233
ET-1090-LS-24-CFW Speaker with Strobe	24VDC	74	81
ET-1090-MS-24-CFW Speaker with Strobe	24VDC	124	135
ET-1090-IS-24-CFW Speaker with Strobe	24VDC	200	233
CH-CF1-LS-24-CFW Chime	24VDC	101	100
CH-CF1-MS-24-CFW Chime	24VDC	155	155
CH-CF1-IS-24-CFW Chime	24VDC	273	260
CH-DF1-LS-24-VFR Chime	24VDC	101	100
CH-DF1-LSM-24-VFR Chime	24VDC	145	120
CH-DF1-MS-24-VFR Chime	24VDC	155	155
CH-DF1-IS-24-VFR Chime	24VDC	273	260
SCM-24-R Synchronized Controller Module	24VDC	*	*
SL-24-VFR Strobe	24VDC	*	*

<b>MODEL NUMBER &amp; NOMENCLATURE</b>	<b>Rated Voltage</b>	<b>FWR DC</b>	<b>Filtered DC</b>
SL1-24-VFR Strobe	24VDC	*	*
SL3-24-VFR Strobe	24VDC	*	*
SLP-24-VFR Strobe	24VDC	*	*
SLM-24-VFR Strobe	24VDC	*	*
SL1M-24-VFR Strobe	24VDC	*	*
SL3M-24-VFR Strobe	24VDC	*	*
SLPM-24-VFR Strobe	24VDC	*	*
SHW-24-HFR Strobe	24VDC	*	*
SH2W-24-HFR Strobe	24VDC	*	*
SHPW-24-HFR Strobe	24VDC	*	*
MT-24-SL-VFR Multi-tone/Strobe	24VDC	100	96
MT-24-SLM-VFR Multi-tone/Strobe	24VDC	150	138
E-7025-SL-VFR Speaker with Strobe	24VDC	*	*
E-7070-SL-VFR Speaker with Strobe	24VDC	*	*
E-9025-SL-CFW Speaker with Strobe	24VDC	*	*
E-9070-SL-CFW Speaker with Strobe	24VDC	*	*
E-7025-SL-VFR Speaker with Strobe	24VDC	*	*
E-7070-SL-VFR Speaker with Strobe	24VDC	*	*
E-9025-SL-CFW Speaker with Strobe	24VDC	*	*
E-9070-SL-CFW Speaker with Strobe	24VDC	*	*
E-7025-SLM-VFR Speaker with Strobe	24VDC	*	*
E-7070-SLM-VFR Speaker with Strobe	24VDC	*	*
ET-1070-SL-VFR Speaker with Strobe	24VDC	100	96
ET-1080-SL-VFR Speaker with Strobe	24VDC	100	96
ET-1090-SL-CFW Speaker with Strobe	24VDC	100	96
ET-1070-SLM-VFR Speaker with Strobe	24VDC	150	138
ET-1080-SLM-VFR Speaker with Strobe	24VDC	150	138
RS-2415 Strobe	24VDC	91	80
RS-241575 Strobe	24VDC	125	115
RS-2430 Strobe	24VDC	135	124
RS-2475 Strobe	24VDC	258	245
RS-24110 Strobe	24VDC	400	295
SM-12/24 Synchronization Module	12VDC/24VDC	22/57	14/30
DSM-12/24 Dual Synchronization Module	12VDC/24VDC	38/82	20/50
SR-2415 Synchronized Strobe	24VDC	100	96
SR-241575 Synchronized Strobe	24VDC	178	138
AS-2415 Audible Strobe	24VDC	140	104
AS-241575 Audible Strobe	24VDC	162	121
AS-2430 Audible Strobe	24VDC	190	148
AS-2475 Audible Strobe	24VDC	295	299
AS-24110 Audible Strobe	24VDC	443	333
AS-24MCW-FR Multi-Candela Appliance	24VDC	332	236
E-70-LS-24 Low Profile Speaker/Strobe	24VDC	91	80

<b>MODEL NUMBER &amp; NOMENCLATURE</b>	<b>Rated Voltage</b>	<b>FWR DC</b>	<b>Filtered DC</b>
E-70-LSM-24 Low Profile Speaker/Strobe	24VDC	125	115
E-70-MS-24 Low Profile Speaker/Strobe	24VDC	135	135
E-70-IS-24 Low Profile Speaker/Strobe	24VDC	235	240
E-90-LS-24 Low Profile Speaker/Strobe	24VDC	91	80
E-90-MS-24 Low Profile Speaker/Strobe	24VDC	135	135
E-90-IS-24 Low Profile Speaker/Strobe	24VDC	253	240
AS-2415W Horn/Strobe	24VDC	95	134
AS-241575W Horn/Strobe	24VDC	110	147
AS-2430W Horn/Strobe	24VDC	135	177
AS-2475W Horn/Strobe	24VDC	211	283
AS-24110W Horn/Strobe	24VDC	242	326
AH-24 Horn	24VDC	*	*
AH-24WP Horn	24VDC	*	*
RS-2415W Strobe	24VDC	*	*
RS-241575W Strobe	24VDC	*	*
RSS-2415W Strobe	24VDC	63	83
RSS-2415/75W Strobe	24VDC	80	105
RSS-2430W Strobe	24VDC	100	131
RSS-2475W Strobe	24VDC	165	217
RSS-24110W Strobe	24VDC	209	274
RSS-24MCW-FR	24VDC	282	180
RSP-24MCW-FR	24VDC	282	180
RSSP-2415W Strobe	24VDC	63	83
RSSP-2415/75W Strobe	24VDC	80	105
RSSP-2430W Strobe	24VDC	100	131
E70 Speaker	N/A	*	*
E70-2415W Speaker with Strobe	24VDC	83	63
E70-241575W Speaker with Strobe	24VDC	105	80
E70-2430W Speaker with Strobe	24VDC	131	100
E70-2475W Speaker with Strobe	24VDC	217	165
E70-24110W Speaker with Strobe	24VDC	274	209
E90 Speaker	N/A	*	*
E90-2415C Speaker with Strobe	24VDC	108	83
E90-2430C Speaker with Strobe	24VDC	165	126
E90-2475C Speaker with Strobe	24VDC	338	260
E90-24100C Speaker with Strobe	24VDC	400	300
ET70 Speaker with Strobe	N/A	*	*
ET90 Speaker with Strobe	N/A	*	*
ET70-2415W Speaker with Strobe	24VDC	83	63
ET70-24MCW-FR Speaker with Strobe	24VDC	282	175
ET70-241575W Speaker with Strobe	24VDC	105	80
ET70-2430W Speaker with Strobe	24VDC	131	100
ET70-2475W Speaker with Strobe	24VDC	217	165



<b>MODEL NUMBER &amp; NOMENCLATURE</b>	<b>Rated Voltage</b>	<b>FWR DC</b>	<b>Filtered DC</b>
ET70-24110W Speaker with Strobe	24VDC	274	209
ET90-2415C Speaker with Strobe	24VDC	108	83
ET90-2430C Speaker with Strobe	24VDC	165	126
ET90-2475C Speaker with Strobe	24VDC	338	260
ET90-24100C Speaker with Strobe	24VDC	400	300
STH-15S Loud Speaker	N/A	*	*
E70-R Speaker	N/A	*	*
E90-W Speaker	N/A	*	*
E70-2415W Speaker with Strobe	24VDC	83	63
E70-241575W Speaker with Strobe	24VDC	105	80
E70-2430W Speaker with Strobe	24VDC	131	100
E70-2475W Speaker with Strobe	24VDC	217	165
E70-24110W Speaker with Strobe	24VDC	274	209
E90-2415C Speaker with Strobe	24VDC	108	83
E90-2430C Speaker with Strobe	24VDC	165	126
E90-2475C Speaker with Strobe	24VDC	338	260
CH70-24 Chime	24VDC	22	22
CH70-24MCW-FR Multi-Candela Appliance	24VDC	282	175
CH90-24 Chime	24VDC	22	22
CH70-2415W Chime with Strobe	24VDC	105	85
CH70-241575 Chime with Strobe	24VDC	127	102
CH70-2430 Chime with Strobe	24VDC	153	122
CH70-2475 Chime with Strobe	24VDC	239	187
AMT-12/24 Multi-Tone Horn	12VDC/24VDC	100/48	100/48
AMT-24-LS-VFR Multi-Tone Horn Strobe	24VDC	143	138
AMT-24-LSM-VFR Multi-Tone Horn Strobe	24VDC	188	178
AMT-24-IS-VFR Multi-Tone Horn Strobe	24VDC	348	323
NS4-2415W-FR Horn Strobe	24VDC	137	103
NS4-241575W-FR Horn Strobe	24VDC	166	120
NS4-2430W-FR Horn Strobe	24VDC	188	136
NS4-2475W-FR Horn Strobe	24VDC	274	201
NS4-24110W-FR Horn Strobe	24VDC	331	245
NS-2415W-FR Horn Strobe	24VDC	101	82
NS-241575W-FR Horn Strobe	24VDC	124	99
NS-2430W-FR Horn Strobe	24VDC	137	114
NS-2475W-FR Horn Strobe	24VDC	235	186
NS-24110W-FR Horn Strobe	24VDC	282	230
* Contact manufacturer for current draws.			

## Releasing Devices (FM-Approved) (section not recognized by UL)

Unimode 4-16 (TC-2/TC-4)

Unimode II (TCM-2/TCM-4)

Unimode 300/400, CMX-2, FZM-1

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

Manufacturer	Model	Voltage	Watts	Amps	NPS	Orifice	PSI
<b>Solenoid Group A</b>							
Skinner	LV2L BX25	24 VDC	11	458 mA	1/2"	5/8"	
<b>Solenoid Group B</b>							
These valves are interchangeable							
ASCO	T8210A107	24 VDC	16.8	700 mA	1/2"	5/8"	
ASCO	R8210A107	24 VDC	16.8	700 mA	1/2"	5/8"	
ASCO	8210A107	24 VDC	16.8	700 mA	1/2"	5/8"	
<b>Solenoid Group C</b>							
Star Sprinkler Corp.	p/n 5550	24 VDC	part of Model D Deluge Valve				
<b>Solenoid Group D</b>							
ASCO	8210G207	24 VDC	10.6	440 mA	1/2"	1/2"	
<b>Solenoid Group E</b>							
Skinner	73218BN4UNLVNOC111C2	24 VDC	10.0	420 mA	1/2"	5/8"	
<b>Solenoid Group F</b>							
Skinner	73212BN4TNLVNOC322C2	24 VDC	22.0	0.92	1/2"	1/2"	250
<b>Solenoid Group G</b>							
Skinner	71395SN2ENJ1NOH111C2	24 VDC	10.0	420 mA	1/4"	1/16"	250
Kidde-Fenwal	p/n 890181	24 VDC		2.0			
Kidde-Fenwal	p/n 899175	24 VDC		2.0			
Kidde-Fenwal	p/n 48650001	24 VDC		0.2			
Kidde-Fenwal	p/n 897494	24 VDC	33.0	1.5			

**Door Holders (UL Listed)**

MANUFACTURER	MODEL	TYPE	Current (mA)
Rixon Firemark	FM-980	Floor Mount, single	68
Rixon Firemark	FM-996	Surface Wiring	68
Rixon Firemark	FM-998	Concealed Wiring	68
Edwards	DH150A	Floor Mount	96
Edwards	DH154A	Flush Mount	96
Edwards	DH158A	Surface Mount	96

**Relays (UL Listed)**

MANUFACTURER	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

**Surge Suppressors (UL Compatible)**

MANUFACTURER	Unimode 200 SLC	Unimode 300/400 SLC	Unimode 2020/1010 SLC
Ditek	2LVLP-F	2LVLP-F	2LVLP-F
Edco	SLCP-30	SLCP-30	SLCP-30
Northern Technologies	PLP-42N	PLP-42N	PLP-42N

