



**SILENT
KNIGHT**

by Honeywell

Device Compatibility Document



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Table of Contents

Control Panel Circuit Specifications.....	3
Compatible Two-Wire Smoke Detectors	3
Various Manufacturers	3
Maximum Number of Detectors per Zone.....	4
System Sensor.....	4
Four-Wire Smoke Detectors/Devices.....	5
Notification Appliances	6
System Sensor - 24VDC	6
System Sensor SpectraAlert Advance	7
Gentex - 24VDC	7
Cooper-Wheelock - 24VDC	8
Cooper-Wheelock Exceder Series	9
Door Holders.....	9
Relays.....	10

Control Panel Circuit Specifications

SK-2/SK-2E, SK-4/SK-4E

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

SK-5UD/SK-5UDE

Initiating Device Circuit Voltage: 17.18 - 20.48
 Max Detector Circuit Standby Current: 2.0mA/circuit
 Compatibility Identifier: "A"
 NAC Power: Full Wave Rectified (Special Application)

ECS-550(HV)

NAC Power: Filtered (Special Application, Regulated)
 Nominal operating voltage: 24 VDC

Maximum signaling current for special application power:
 2.0 amps

Maximum signaling current for regulated power: 200 mA

Compatible Two-Wire Smoke Detectors

Various Manufacturers

Model	Detector ID	Detector Type	Base Model	Base ID	Standby Current (uA)
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 1100/D	A	Ionization	N/A	N/A	100
System Sensor 1151	A	Ion	B401 / B110LP / B116LP	A	120
System Sensor 1400	A	Ion	N/A	N/A	100
System Sensor 1451	A	Ion	B401B / B406B / B110LP / B116LP	A	120
System Sensor 1451DH	A	Ion	DH-400	A	120
System Sensor 1800	A	Ion	N/A	N/A	120
System Sensor 1851B	A	Ion	B101B / B107B	A	120
System Sensor 1851DH	A	Ion	DH1851DC	A	120
System Sensor 2151	A	Photo	B401 / B110LP / B116LP	A	120
System Sensor 2300T	A	Photo / Therm.	N/A	N/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 / DH-400 / B110LP / B116LP	A	120
System Sensor 2451TH	A	Photo / Therm.	B401B / B406B / B110LP / B116LP	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 / B107B	A	120
System Sensor 2851BTH	A	Photo / Therm.	B101B / B107B	A	120
System Sensor 2851DH	A	Photo	DH2851DC	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 DH100P	A	Photoelectric	N/A	N/A	100
System Sensor DH100LP	A	Photoelectric	N/A	N/A	120
System Sensor 2WTA-B	A	Photoelectric	N/A	N/A	100
System Sensor 2WTAR-B	A	Photoelectric	N/A	N/A	100

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

Model Number	Base Model	SK-2 SK-4 SK-5UD/E
2W-B	N/A	16
2WT-B	N/A	16
1100/D	N/A	20
1151	B401 / B110LP / B116LP	16 / 16 / 1
1400	N/A	20
1451	B401B / B406B B110LP / B116LP	16 / 1 16 / 1
1451DH	DH-400	16
1800	N/A	N/A
1851B	B101B	N/A
1851B	B107B	N/A
1851DH	DH1851DC	16
2100/D/S	N/A	16
2100T/D/S	N/A	16
2151	B401 / B110LP / B116LP	16 / 16 / 1
2300T	N/A	16
2400	N/A	16
2400AIT	N/A	1
2400AT	N/A	1
2400TH	N/A	16
2451	B401B / B406B B110LP / B116LP	16 / 1 16 / 1
2451	DH-400	16
2451TH	B401B / B406B B110LP / B116LP	16 / 1 16 / 1
2800	N/A	N/A
2800TH	N/A	N/A
2851B	B101B	N/A
2851B	B107B	N/A
2851BTH	B101B	N/A
2851BTH	B107B	N/A
2851DH	DH2851DC	16
DH100P	N/A	16
DH100LP	N/A	16

Model Number	Base Model	SK-2 SK-4 SK-5UD/E
2WTA-B	N/A	20
2WTAR-B	N/A	1

Four-Wire Smoke Detectors/Devices

Smoke Detector/Base	Detector Type	Max Standby Current (mA)	Alarm Current (mA)
Fenwal CPD-7021 (w/70-201000-005 Base)	Ionization	0.10	*
Fenwal PSD-7125	Photoelectric	0.10	*
Fenwal PSD-7126 (w/70-201000-005 Base)	Photoelectric	0.10	*
Fire-Lite BLP-12-4W	Base	*	*
Gentex 824	Photoelectric	0.50	*
Gentex 824T	Photoelectric	0.50	*
Gentex 824CP	Photoelectric	0.50	*
Gentex 824CPT	Photoelectric	0.50	*
Hochiki HSC-4R	Base	*	*
Hochiki SPB-24	Projected Beam	0.25	*
System Sensor B112LP	Base	0.12	36
System Sensor B114LP	Base	*	*
System Sensor B404B	Base	*	*
System Sensor DH100ACDC	Photoelectric	0.15	0.70
System Sensor DH100ACDCLP	Photoelectric	0.15	0.70
System Sensor DH100ACDCLWP	Photoelectric	0.15	0.70
System Sensor DH400ACDCI	Ionization Duct	25	95
System Sensor DH400ACDCP	Photoelectric Duct	25	95
System Sensor 1112/24/D	Ionization	0.05	50
System Sensor 1424	Ionization	0.10	41
System Sensor 1451 (w/ B402B/B112LP Base)	Ionization	0.10	39
System Sensor 2112/24ATR	Photoelectric	0.50	60/70
System Sensor 2112/24AITR	Photoelectric	0.50	60/70
System Sensor 2112/24/D	Photoelectric	0.05	50
System Sensor 2112/24R	Photoelectric	0.50	60/70
System Sensor 2112/24TR	Photoelectric	0.50	60/70
System Sensor 2112/24T/D	Photoelectric w/135° Thermal	0.05	50
System Sensor 2112/24TSRB	Photoelectric w/135° Thermal Supervisory Relay	15	45
System Sensor 2312/24TB	Photoelectric	0.12	50
System Sensor 2424	Photoelectric	0.10	41
System Sensor 2424TH	Photoelectric	0.10	41
System Sensor 2451	Photoelectric	0.10	39
System Sensor 2451TH (with B402B/B112LP Base)	Photoelectric	0.10	39
System Sensor 2W-MOD	Loop Test/Maintenance Mod.	30	50
System Sensor 4W-B (24 Volt)	Photoelectric I ³	.05	23
System Sensor 4WT-B (24 Volt)	Photoelectric I ³ w/Therm	.05	23
System Sensor 4WTA-B (24 Volt)	I ³ Photo w/ Therm/Sounder	.05	35

Smoke Detector/Base	Detector Type	Max Standby Current (mA)	Alarm Current (mA)
System Sensor 4WTR-B (24 Volt)	I ³ Photo w/ Therm/Relay	.05	35
System Sensor 4WTAR-B (24 Volt)	I ³ Photo w/ Therm/Sounder/Relay	.05	50
System Sensor 4WITAR-B (24 Volt)	I ³ Photo w/ IsolatedTherm/Sounder/Relay	.05	50
System Sensor 2W-MOD2	I ³ Loop Test/Maintenance Mod.	.05	*
System Sensor RRS-MOD	I ³ Reversing Relay/Sync Module	.05	*
System Sensor 6424	Projected Beam	10	28.4
System Sensor Beam 1224(S)	Projected Beam	17	38.5

* Contact manufacturer for current draws

Notification Appliances

Control panels with Notification circuits supplied by Special Application power must use appliances listed in this table.

- Refer to manufacturer's installation instructions for more information.
- Contact manufacturer for current draws or additional options

System Sensor - 24VDC

Use only 24VDC devices with 24 volt control panels.

MODEL NUMBER & NOMENCLATURE (System Sensor)
CH12/24 Electronic Chime/Sounder
CH2415, CH241575, CH2475, CH24110 SpectrAlert Chime with Strobe
MA-12/24D Electronic Sounder
MA12/24EH Multi Alert Horn with Mechanical Tone
MAEH24LO, MAEH24LOC, MAEH24LOLA, MAEH24M, MAEH24MC, MAEH2415ADA, MAEH2475ADA, MAEH241575ADA, MAEH24110ADA, MAEH2415ADAS, MAEH241575ADAS Multi Alert Horn with Mechanical Tone/Strobe
MASS24D, MASS24LO, MASS24M Electronic Sounder/Strobe
MASS24LOC, MASS24MC Electronic Ceiling Sounder/Strobe
MASS24LOLA Electronic Sounder/Strobe with Fuego lens
MASS2415ADA, MASS2475ADA, MASS24110ADA, MASS241575ADA Sounder/Signaling Strobe
MASS2415ADAS, MASS241575ADAS Sounder/Signaling Strobe w/ Synch. Ckt.
MDL / MDLW Sync Modules for use with SpectraAlert series
P2415, P241575, P2430, P2475, P24110 SpectrAlert Horn/Strobe
PA400R, PA400W, PA400B Sounder
PC24115, PC24177 SpectrAlert Ceiling Mount Horn/Strobe
PS24LO Add-on Strobe
RP2415ADA, RP241575ADA, RP2475ADA, RP24110ADA Retrofit Strobe Plate
S2415, S241575, S2430, S2475, S24110 SpectrAlert Strobe
SC24115, SC24177 SpectrAlert Ceiling Mount Strobe
SP100W24LOC, SP100W24MC Ceiling Speaker/Strobe, 8" round grille
SP101R24LO, SP101R24M Speaker/Strobe, 5" square grille
SP2C24115, SP2C24177 SpectrAlert Ceiling Mount Speaker Strobe
SP2C2415, SP2C2430, SP2C2415/75, SP2C2475, SP2C24110 SpectrAlert Speaker Strobe
S1224MC, P1224MC, SP1224MC SpectrAlert Strobe
SS24, SS24LO, SS24M, Strobe

MODEL NUMBER & NOMENCLATURE (System Sensor)
SSM24-6, SSM24-8, SSM24-10 Alarm Bell
SS24LOC, SS24LOBC(beige), SS24MC Ceiling Strobe
SS2415ADA, SS2475ADA, SS24110ADA, SS241575ADA Signaling Strobe
SS2415ADAS, SS241575ADAS Signaling Strobe with Synch. Circuit
V4R2415ADA, V4R2475ADA, V4R24110ADA, V4R241575ADA Speaker/Signaling Strobe
SPH-15R, SC2415, SC241575, SC2430, SC2475, SC2495, PC2415, PC242575, PC2430, PC2475
PC2495, SP2C2415, SP2C242575, SP2C495

System Sensor SpectrAlert Advance

System Sensor Spectralert Advance chimes, chime strobes, horns, horn strobes and strobes base models: CHR, CHW, CHSR, CHSW, HR, HW, MDL3R, MDL3W, P2R, P2W, P2RH, P2WH, P4R, P4W, P4RH, P4WH, PC2R, PC2W, PC2RH, PC2WH, PC4R, PC4W, PC4RH, PC4WH, SCR, SCW, SCRH, SCWH, SR, SW, SRH, SWH, SW-ALERT, SWH-ALERT, MHR, MHW followed by suffixes denoting application (K=outdoor), market (A=Canada) and / or markings (P=Plain, SP=Spanish, FR=French, B=Bi-lingual and PG=Portugese):

Gentex - 24VDC

Use only 24VDC devices with 24 volt control panels.

MODEL NUMBER & NOMENCLATURE (Gentex)
GEC-24-15, GEC-24-30, GEC-24-60, GEC-24-75, GEC-24-110, GEC-24-15/75W Horn/Strobe
GES-24-15, GES-24-30, GES-24-60, GES-24-75, GES-24-110, GES-24-15/75W Strobe
GMH-24 Electro-Mechanical Horn
GMS-24-15, GMS-24-15-1, GMS-24-110, GMS-24-110-1, GMS-24-1575-1, GMS-24-3075, GMS24-30W, GMS24-60W Electro-Mechanical Horn with Strobe
GOT-24 Multi-Tone Horn
GOS-24-15-1, GOS-24-110-1, GOS-24-1575-1, GOS-24-3075-1 Multi-Tone Horn/Strobe
GXS-4RH, GXS-4BH, GXS-4RL, GXS-4BL Strobes
GXS-4-15, GXS-4-15-1, GXS-4-1575, GXS-4-30, GXS-4-60, GXS-4-110, GXS-4-110-1, GXS-4-3075 Strobe
GX-90-4 Horn
GX-90S-4BH, GX-90S-4BL, GX-90S-4RL, GX-90S-4RH, GX-90S-4-15, GX-90S-4-15-1, GX-90S-4-110, GX-90S-4-110-1, GX-90S-4-1575 Horn with Strobe
HG124 Electronic Horn
HS24-15, HS24-15/75, HS24-30, HS24-60, HS24-110, HS24-110W, HS24-75W, HS24-60W, HS24-30W, Multi-Tone Horn/Strobe
SHG-24L, SHG-24H, SHG24-15, SHG24-15-1, SHG 24-60, SHG24-110, SHG24-110-1, SHG24-1575, SHG24-30, SHG24-60, SHG24-3075 Electronic Horn with Strobe
SPK4-15, SPK4-15-1, SPK4-1575, SPK4-110, SPK4-110-1, SPK4-24-3075 Speaker with Strobe
SPK8-15, SPK8-15-1, SPK8-1575, SPK8-110, SPK8-110-1B, SPK8-24-3075 Speaker with Strobe
SPKE4, SPKE4-15-1, SPKE4-15/75, SPKE4-15/75-C SPKE4-30/75, SPKE4-60, SPKE4-110-1, SPKE4-60W, SPKE4-30W Speaker with Strobe
SPKE8, SPKE8-15-1, SPKE8-15/75, SPKE8-15/75-C, SPKE8-30/75, SPKE8-60, SPKE8-110-1, SPKE8-1575W, SPKE8-30W Speaker with Strobe
ST24-15, ST24-15/75, ST24-30, ST24-60, ST24-110, ST24-75W, ST24-110W, ST24-30W Strobe
WGMS-24-75 Weatherproof Electro-Mechanical Horn with Strobe

Cooper-Wheelock - 24VDC

Use only 24VDC devices with 24 volt control panels.

MODEL NUMBER & NOMENCLATURE (Cooper-Wheelock)
7002T-24 Horn with Strobe
AES-DL1-WM-24-VF-R, AES-EL1-WM-24-VF-R Multi-Tone Signals
AES-DL1-LSM-24, AES-EL1-LSM-24 Horn Strobe
AH-24, AH-24WP Horn
AMT-12/24 Multi-Tone Horn
AMT-24-IS-VFR, AMT-24-LS-VFR, AMT-24-LSM-VFR, AMT-241575-FR Multi-Tone Horn Strobe
AS-2415, AS-2430, AS-2430C, AS-2475, AS-24110, AS-241575 Audible Strobe
AS-2415W, AS-2430W, AS-2475W, AS-24110W, AS-241575W Horn/Strobe
AS-24MCW-FR/FW, AS-24MCC-FR/FW Multi-Candela Appliance
ASWP-2475W-FR/FW Weatherproof Audible Strobe
CH-CF1-IS-24-CFW, CH-CF1-LS-24-CFW, CH-CF1-MS-24-CFW Chime
CH-DF1-IS-24-VFR, CH-DF1-LS-24-VFR, CH-DF1-LSM-24-VFR, CH-DF1-MS-24-VFR Chime
CH70-24-R/W, CH90-24-R/W Chime
CH70-2415W, CH70-2430, CH70-2475, CH70-241575 Chime with Strobe
CH70-24MCW-FR/FW Multi-Candela Appliance
CH90-2475C, CH90-24100C Chime with Strobe
DSM-12/24 Dual Synchronization Module
EH-DL1-WM-24-VF-R, EH-EL1-WM-24-VF-R Electronic Horn Strobes
HSW-24-HFR, HSPW-24-HFR, HS2W-HFR Strobe
IS-24-VFR, IS1-24-VFR, IS3-24-VFR Strobe
ISP-24-VFR Strobe
LS-24-VFR, LS1-24-VFR, LS1M-24-VFR LS3-24-VFR, LS3M-24-VFR Strobe
LSM-24-VFR Strobe
LSP-24-HFR, LSPM-24-VFR Strobe
MB-G6-24-R Motor Bell, 6" gong
MB-G10-24-R Motor Bell, 10" gong
MBS-G6-24-R Motor Bell/Strobe, 6" gong
MBS-G10-24-R Motor Bell/Strobe, 10" gong
MIZ-24 Mini Piezo Horn
MIZ-24-HSW-HFR, MIZ-24-IS-VFR, MIZ-24-LS-VFR, MIZ-24-LSM-VFR, MIZ-24-MS-VFR, MIZ-24-WM-VFR, MIZ-TC24-R, MIZ-TC24-W Mini-Horns Strobe
MS-24-VFR, MS1-24-VFR, MS3-24-VFR Strobe
MSP-24-HFR Strobe
MT-12/24-R MultiTone
MT-24-WM, MT-24-WM-VFR MultiTone Strobe 117cd
MT-24-IS-VFR, MT-24-LS-VFR, MT-24-LSM-VFR, MT-24-MS-VFR MultiTone Strobe
MT-24-SL-VFR, MT-24-SLM-VFR Multi-tone/Strobe
MT4-24-IS-VFR, MT4-24-LS-VFR, MT4-24-LSM-VFR, MT4-24-MS-VFR MultiTone Strobe
NS-2415W-FR, NS-2430W-FR, NS-2475W-FR, NS-24110W-FR, NS-241575W-FR Horn Strobe
NS4-2415W-FR, NS4-2430W-FR, NS4-2475W-FR, NS4-24110W-FR, NS4-241575W-FR, NS4-24MCW-FR, NS-24MCW-FW, NS-24MCW-FR Horn Strobe
RS-1230, RS-2415, RS-2430, RS-2475, RS-24110, RS-241575 Strobe
RS-2415W, RS-241575W Strobe
RSS-2415W, RSS-2415/75W, RSS-2430W, RSS-2475W, RSS-24110W Strobe

MODEL NUMBER & NOMENCLATURE (Cooper-Wheelock)
RSS-24MCW-FR/FW Strobe
RSS-2415-CR-FW, RSS-2430-CR-FW, RSS-2475-CR-FW, RSS-24100-CR-FW Strobe
RSS-24150-CR-FW, RSS-24177-CR-FW Strobe
RSSP-24MCW-FR/FW strobe
RSSP-2415W, RSSP-2415/75W, RSSP-2430W, RSSP-24185W Strobe
SCM-24-R Synchronized Controller Module
SHW-24-HFR, SH2W-24-HFR, SHPW-24-HFR Strobe
SL-24-VFR, SL1-24-VFR, SL3-24-VFR, SLP-24-VFR Strobe
SLM-24-VFR, SL1M-24-VFR, SL3M-24-VFR, SLPM-24-VFR Strobe
SM-12/24 Synchronization Module
SR-2415, SR-241575 Synchronized Strobe
WMT-24-FR, WM1T-24-FR, WM3T-24-FR Strobes
AS-24MCC-FW, CH90-24-MCC-FW, E90-24MCC-FW, ET90-24MCC-FW, HS-24-R/W
MIZ-24S-R/W, RSS-24MCC-FW, NH-12/24R/W
ZNH-R, ZNH-W, ZNS-MCC-FR, ZNS-MCC-FW, ZNS-MCCH-FR, ZNS-MCCH-FW, ZNS-MCW-FR
ZNS-MCW-FW, ZNS-MCWH-FR, ZNS-MCWH-FW, ZRS-MCC-FR, ZRS-MCC-FW, ZRS-MCCH-FR
ZRS-MCCH-FW, ZRS-MCW-FR, ZRS-MCW-FW, ZRS-MCWH-FR, ZRS-MCWH-FW
AMT-241575W-FR, AMT-241575W-FW, AS-241575W-FR, AS-241575W-FW, CH90-24MCC-FR
CH90-24MCC-FW, CSX10-24-R, CSXG10-24-R, DSM-12/24-R, HS-24-R, HS-24-W
HS4-241575W-FR, HS4-241575W-FW, HS4-24MCW-FR, HS4-24MCW-FW, HS4-24MCWH-FR
HS4-24MCWH-FW, MT-24MCW-FR, MT-24MCW-FW, MT4-115-R, MT4-115-W,
MT4-115-WH-VFR, MTWP-2475W-FR, MTWP-2475W-FW, NS-24MCW-FR, NS-24MCW-FW
RSS-121575W-FR, RSS-121575W-FW, RSS-241575W-FR, RSS-241575W-FW, RSS-2415C-FR
RSS-2415C-FW, RSS-2475W-FR, RSS-2475W-FW, RSS-24MCC-FR, RSS-24MCC-FW,
RSS-24MCCH-FR, RSS-24MCCH-FW, RSS-24MCCHR-FR, RSS-24MCCHR-FW, RSS-24MCCR-FR
RSS-24MCCR-FW, RSSP-241575W-FR, RSSP-241575W-FW, RSSWP-2475W-FR, RSSWP-2475W-FW

Cooper-Wheelock Exceder Series

HSR, HSW, STR, STW, HNR, HNW, HSRC, HSWC, STRC, STWC, HNRC, HNWC

Silent Knight certifies the Exceder product line for synch compatibility based on documentation provided by Underwriters Laboratories.

Silent Knight requires that the current draw data from legacy products (RSS, AS, NS, ZRS, and ZNS series) be used for the purpose of determining the number of devices allowed per circuit.

Door Holders

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

Relays

MANUFACTURER	MODEL	Current (mA)
Air Products & Controls, LTD	MR-101/C	15
	MR-201/C	35
	PAM-1	15
	PAM-2	15
	PAM-SD	15
System Sensor	A77-716B	20
	PR-1	15
	PR-2	30
	PR-3	30
	EOLR-1	30
	R-10T	23
	R-14T	23
	R-20T	40
	R-24T	40
	R-10E	23
	R-14E	23
	R-20E	40
	R-24E	40