

# Secutron Addressable Fire Alarm Panels



**All MGC MIX-4000 Series Detectors are not FM Approved**



# Table of Contents

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<b>MMX™-4000 and MMX™-2000 Series UL Listed Compatible Devices .....</b>	<b>1</b>
MMX™ Series UL Listed Compatible Addressable Loop Modules .....	1
MMX™-4000 and MMX™-2000 Series UL Listed Compatible Two-Wire Smoke Detectors .....	4
MMX™-4000 and MMX™-2000 Series UL Listed Compatible Four-Wire Smoke Detectors.....	8
MMX™-4000 and MMX™-2000 Series UL Listed Compatible Signalling Devices .....	9
<b>MMX™-4000 and MMX™-2000 Series ULC Listed Compatible Devices.....</b>	<b>10</b>
MMX™-4000 and MMX™-2000 Series ULC Listed Compatible Addressable Loop Modules .....	10
MMX™-4000 and MMX™-2000 Series ULC Listed Compatible 2 Wire Smoke Detectors.....	13
MMX™-4000 and MMX™-2000 Series ULC Compatible Synchronized Modules and Strobes .....	15
<b>MMX™-4000 Series UL Listed Compatible Addressable Loop Modules using</b>	
<b>ALCN-960MISO and ALCN-960D Loop Drivers.....</b>	<b>16</b>
<b>MMX™-4000 and MMX™-2000 UL Listed Compatible Two-Wire Detectors Compatible with</b>	
<b>MRI-4042 Zone Module .....</b>	<b>18</b>
<b>UL Compatible Speakers with Mircom Amplifiers, MMX™ FACP and Temporal 520Hz Square</b>	
<b>Wave Low Frequency Signal.....</b>	<b>20</b>
MGC Amplifiers .....	20
Secutron Temporal 520Hz Square Wave Low Frequency Signal.....	20
System Sensor Speakers.....	20
Gentex Speakers .....	22
<b>Special Application for UL/ULC Listed MGC NAC Devices with SGM-1004S on MMX™</b>	
<b>Series, MMX™-4000 Series.....</b>	<b>23</b>
<b>Regulated Application for UL/ULC Listed NAC Devices with SGM-1004S on MMX™ Series,</b>	
<b>MMX™-4000 Series .....</b>	<b>25</b>
<b>Regulated Application for UL/ULC Listed MGC NAC Devices with SGM-1004S on MMX™</b>	
<b>Series, MMX™-4000 Series.....</b>	<b>27</b>
<b>MR-400 and MR-401 ULI Listed Compatible Devices .....</b>	<b>28</b>
MR-400 and MR-401 ULI Listed Compatible Addressable Devices .....	28
MR-401 ULI/ULC Listed Compatible Manual Stations .....	29
MR-400 ULI Listed Compatible Manual Stations .....	29
<b>ULI/ULC Listed Compatible Two-Wire Detectors Compatible with MRI-4042 Zone Module</b>	
<b>with MR-400 and MR-401 FACPs .....</b>	<b>30</b>
MR-400 and MR-401 ULI Compatible Horn/Strobes.....	32
<b>MR-3500, MR-3500RCU and MR-3318 ULI Listed Compatible Devices .....</b>	<b>34</b>
MR-3500, MR-3500RCU and MR-3318 ULI Listed Compatible Addressable Devices.....	34
MR-3500, MR-3500RCU, MR-3318 ULI Listed Compatible Two-Wire Smoke Detectors.....	37
MR-3500, MR-3500RCU and MR-3318 ULI Compatible Horn/Strobes .....	39
<b>MR-3500 and MR-3500RCU ULC Listed Compatible Devices .....</b>	<b>42</b>
MR-3500 and MR-3500RCU ULC Listed Compatible Addressable Devices .....	42
MR-3500 and MR-3500RCU ULC Listed Two-Wire Smoke Detectors .....	45
MR-3500 and MR-3500RCU ULC Listed Compatible Horn/Strobe .....	46
<b>MR-2100/2200 UL Compatible Addressable Devices .....</b>	<b>48</b>
<b>MR-2100/2200 ULC Compatible Addressable Devices .....</b>	<b>51</b>
<b>MR-2900 UL Listed Compatible Addressable Devices .....</b>	<b>54</b>
<b>MR-2900 ULC Listed Compatible Addressable Devices.....</b>	<b>74</b>
<b>MR-2900 ULC Listed Compatible Smoke Detectors.....</b>	<b>77</b>

**All MGC MIX-4000 Series Detectors are not FM Approved**

## MMX™-4000 and MMX™-2000 Series UL Listed Compatible Devices

### MMX™ (MMX-4003-12N, MMX-4009-12N, MMX-4017-12N, MMX-4000MNS, MMX-2003-12N/DS, MMX-2003-12XTDS, MMX-2009-12N/DS, MMX-2017-12N/DS, and MMX-2000MNS) Series UL Listed Compatible Addressable Loop Modules

**Note:** Use firmware version 12.0 and up with Advanced Protocol (AP) devices and monitors. The SLC loop can support up to 159 AP devices and 159 AP monitors.

Manufacturer & Model	Description
<b>Secutron</b>	
MRI-FC351AP	Advanced Protocol CO and Photoelectric Smoke Detector (CO portion of the detector is latching supervisory alarm only).
MRI-COSAP	Advanced Protocol CO and Photoelectric Smoke Detector (CO portion of the detector is latching supervisory alarm only).
MRI-2351AP	Advanced Protocol Photoelectric Smoke Detector
MRI-2351TAP	Advanced Protocol Photoelectric Smoke Detector with Thermal Sensor
MRI-2351RAP	Advanced Protocol Photoelectric Smoke Detector with Remote Test
MRI-5351AP	Advanced Protocol Heat Detector
MRI-5351RAP	Advanced Protocol Heat Detector Rate of Rise
MRI-5351HAP	Advanced Protocol High Heat Detector
MRI-1251AP	Advanced Protocol Ionization Smoke Sensor
MRI-2251AP	Advanced Protocol Photoelectric Smoke Sensor
MRI-2251TAP	Advanced Protocol Thermal Sensor
MRI-2251TMAP	Advanced Protocol Photoelectric/Thermal Sensor
MRI-2251RAP	Advanced Protocol Photo Smoke Detector
MRI-1251/B	Low-Profile Analog Ionization Smoke Sensor
MRI-2251/B/TB/BR	Low-Profile Analog Photoelectronic Smoke Sensor/plus Thermal
MRI-2251 TM/TMB	Low-Profile Acclimate™ Intelligent Photoelectric Thermal Sensor
MRI-5251AP/HAP/RAP	Advanced Protocol Thermal Sensor/Rate of Rise
MRI-5251P/RP/B/RB/H	Low-Profile Analog Thermal Sensor/Rate of Rise
MRI-M500MAP	Advanced Protocol Monitor
MRI-M500M	Monitor Module (Universal)
MRI-M500CH	Addressable Control Module
MRI-M501MAP	Advanced Protocol Mini-Monitor Module
MRI-M501M	Addressable Mini-Monitor Module
MRI-M502MAP	Advanced Protocol Universal Monitor Module
MRI-M502M	Universal Monitor Module

Manufacturer & Model	Description
<b>Secutron continued</b>	
MRI-M500RAP	Advanced Protocol Relay Control Module
MRI-M500R	Addressable Relay Output Module
MRI-M500SAP	Advanced Protocol Supervised Control Module
MRI-M500S	Addressable Supervised Output Module
MRI-M500DMAP	Advanced Protocol Dual Input Monitor Module
MRI-M500DM	Addressable Dual Input Monitor Module
MRI-M500FP	Intelligent Firephone Module
MRI-DH200PL	Intelligent Smoke Detector
MRI-DH200RPL	Intelligent Smoke Detector (with relay)
MRI-210LP	200 Series Low Profile Intelligent Base
MRI-B501BH	200 Series Low Profile Intelligent Base with Horn
MRI-B501BHT	200 Series Low Profile Intelligent Base with Horn (Temporal Code)
MRM-401APU	Advanced Protocol Addressable Single Stage Single Action Station
MRM-402APU	Advanced Protocol Addressable Two Stage Single Action Manual Station
MRM-702APU	Advanced Protocol Addressable Two Stage Single Action Manual Station
MRM-710APU	Advanced Protocol Addressable Dual Action Manual Station
MRM-401ADU	Addressable Single Stage Single Action Station
MRM-402ADU	Addressable Two Stage Single Action Manual Station
MRM-701ADU	Addressable Single Action Manual Station
MRM-702ADU	Addressable Two Stage Single Action Manual Station
MRM-710ADU	Addressable Single Stage Dual Action Manual Station
<b>Mircom Manual Stations</b>	
MPS-810APU	Addressable Single Stage Dual Action Manual Station
MRM-810MPU	Addressable Single Stage Dual Action Manual Station
<b>System Sensor</b>	
7251	Pinnacle™ Intelligent Laser Smoke Sensor
2251-COPTIR	Multi-criteria Fire Detector (do not set to Level1 Alarm)
M500M-4-20	4-20mA Analog Input Module
M500DMR1	Multiple Module with 2 Monitor Inputs and 2 Relay Outputs
FTX-P1	Filtrex™ Intelligent Photoelectric Smoke Sensor
ISO-6	Advanced Protocol Six Isolator Module
M500X	Fault Isolator Module
APIM-10	Advanced Protocol Ten Input Monitor Addressable Module

Manufacturer & Model	Description
<b>System Sensor continued</b>	
IM-10	Ten Input Monitor Addressable Module
APCR-6	Advanced Protocol Six Relay Control Module
CR-6	Six Relay Control Module
SC-6	Six Supervised Control Module
APB200-LF	Low Frequency Sounder Base used with MRI-COSAP detector
APB200	Sounder Base used with MRI-COSAP detector
B224BI	200 Series Intelligent Base with Isolator
B224RB	200 Series Intelligent Base with Relay
B200SR	200 Series Intelligent Base with Sounder
B200SR-LF	Low Frequency Intelligent Sounder Base
B501/B	Analog Base
B210LP	200 Series Low Profile Intelligent Base
B501B-FTX	Filtrex Base
B501BH	200 Series Low Profile Intelligent Base with Horn
B501BHT	200 Series Low Profile Intelligent Base with Horn (Temporal Code)
CZ-6	Six Addressable Universal Zone Module
BEAM200	Intelligent Addressable Beam Detector
BEAM200S	Intelligent Addressable Beam Detector (with Sens Test)
DNR	Innovair Flex Duct Detector Housing for MRI-2251B and MRI-2251BR Heads
DNRW	Watertight Innovair Flex Duct Detector Housing for MRI-2251B and MRI-2251BR Heads
OSI-RI-AP	Advanced Protocol Beam Detector

**MMX™-4000 and MMX™-2000 (MMX-4003-12N, MMX-4009-12N, MMX-4017-12N, MMX-4000MNS, MMX-2003-12N/DS, MMX-2003-12XTDS, MMX-2009-12N/DS, MMX-2017-12N/DS, MMX-2000MNS) Series UL Listed Compatible Two-Wire Smoke Detectors**



**Notes:**

1. Whether mixing different models of compatible smoke detectors or using the same model on the same circuit, total standby current of all detectors must not exceed 3 mA.
2. The below listed smoke detectors are compatible with initiating circuits having Compatibility Identifier "A".

<b>Smoke Detector Manufacturer Model / Base</b>	<b>Compatibility Identifier Head / Base</b>	<b>Rated Standby Current</b>	<b>Maximum # of devices per circuit</b>
<b>Mircom</b>			
MIR-525U	FDT-1	0.10 mA	30
MIR-525TU	FDT-1	0.10 mA	30
MIR-752L/ MIR-B6	WHC60/ WB02	0.20 mA	21
MIR-752L/ MIR-B44	WHC60/ WB04	0.20 mA	21
MIR-752HL/ MIR-B6	WHC60/ WB02	0.20 mA	21
MIR-752HL/ MIR-B44	WHC60/ WB04	0.20 mA	21
<b>MGC Systems Corp.</b>			
SD-100-2WT/SDB-104-2	WHC60/WB02	0.14mA	21
SD-100-2WT/SDB-104-4	WHC60/WB04	0.14mA	21
SD-100-2WT/SDB-106-4	WHC60/WB02	0.14mA	21
SD-100-4WT/SDB-104-4	WHC60/WB04	0.14mA	21
SD-100-4WT/SDB-106-4	WHC60/WB04	0.14mA	21
SD-100-4WP/SDB-104-4	WHC60/WB04	0.14mA	21
SD-100-4WP/SDB-106-4	WHC60/WB04	0.14mA	21
<b>Apollo</b>			
55000-225 / 45681-251, -255, -256, -258	225 / 251, 255, 256, 258	0.045 mA	30
55000-325 / 45681-251, -255, -256, -258	325 / 251, 255, 256, 258	0.045 mA	30
<b>Detection Systems Inc.</b>			
DS250	B - N/A	0.10 mA	30
DS250TH	B - N/A	0.10 mA	30
DS282	B - N/A	0.10 mA	30
DS282TH	B - N/A	0.10 mA	30
<b>Hochiki</b>			
DCD-135/NS6-220	HD-3/HB-72	0.035mA	30

Smoke Detector Manufacturer Model / Base	Compatibility Identifier Head / Base	Rated Standby Current	Maximum # of devices per circuit
<b>Hochiki continued</b>			
DCD-135/NS4-220	HD-3/HB-3	0.035mA	30
DCD-135/HSC-220R	HD-3/HB-3	0.035mA	30
DCD-190/NS6-220	HD-3/HB-3	0.035mA	30
DCD-190/NS4-220	HD-3/HB-3	0.035mA	30
DCD-190/HSC-220R	HD-3/HB-3	0.035mA	30
SIJ-24/NS6-220	HD-3/HB-72	0.040mA	30
SIJ-24/NS4-220	HD-3/HB-3	0.040mA	30
SIJ-24/HSC-220R	HD-3/HB-3	0.040mA	30
SLR-24/NS6-220	HD-3/HB-72	0.045mA	30
SLR-24/NS4-220	HD-3/HB-3	0.045mA	30
SLR-24/HSC-220R	HD-3/HB-3	0.045mA	30
SLR-24H/NS6-220	HD-3/HB-3	0.045mA	30
SLR-24H/NS4-220	HD-3/HB-3	0.045mA	30
SLR-24H/HSC-220R	HD-3/HB-72	0.045mA	30
SLR-835/NS6-220	HD-3/HB-3	0.045mA	30
SLR-835/NS4-220	HD-3/HB-3	0.045mA	30
SLR-835/HSC-220R	HD-3/HB-72	0.045mA	30
SLR-835B-2	HD-6	55µa @ 24VDC	30
<b>NAPCO</b>			
FW-2	HD-6	55µA @ 24VDC	30
<b>Sentrol - ESL</b>			
429C	S10A - N/A	0.10 mA	30
429CT	S10A - N/A	0.10 mA	30
429CST	S11A - N/A	0.10 mA	30
429CRT	S11A - N/A	0.10 mA	30
711U/701E, 701U, 702E, 702U	S10A - S00	0.10 mA	30
712U / 701E, 701U, 702E, 702U	S10A - S00	0.10 mA	30
713-5U / 701E, 701U, 702E, 702U	S10A - S00	0.10 mA	30
721U / 702E, 702U	S10A - S00	0.10 mA	30
732U / 702E, 702U, 702RE, 702RU	S11A - S00	0.10 mA	30
721UT / 702E, 702U	S10A - S00	0.10 mA	30



<b>Smoke Detector Manufacturer Model / Base</b>	<b>Compatibility Identifier Head / Base</b>	<b>Rated Standby Current</b>	<b>Maximum # of devices per circuit</b>
<b>Sentrol - ESL continued</b>			
722U / 702E, 702U	S10A - S00	0.10 mA	30
731U / 702E, 702U, 702RE, 702RU	S11A - S00	0.10 mA	30
721UT / 702E, 702U	S10A - S00	0.10 mA	30
721UT / 702E, 702U	S10A - S00	0.10 mA	30
<b>System Sensor</b>			
4451HT / B401	A - A	0.12 mA	25
5451 / B401B	A - A	0.12 mA	25
5451 / B401	A - A	0.12 mA	25
2451 / B401B	A - A	0.12 mA	25
2451 / B406B	A - A	0.12 mA	25
2451 / DH400	A - N/A	0.12 mA	25
2451TH / B406B	A - A	0.12 mA	25
2451 / B401	A - A	0.12 mA	25
2451TH / B401	A - A	0.12 mA	25
4451HT / B401B	A - A	0.12 mA	25
4451HT / B406B	A - A	0.12 mA	25
1100	A - N/A	0.12 mA	25
1151/ B110LP	A - A	0.12 mA	25
1151/ B116LP	A - A	0.12 mA	25
1400	A - N/A	0.10 mA	25
1451/B401	A - A	0.12 mA	25
1451/ B401B	A - A	0.12 mA	25
1451/ B406B	A - A	0.12 mA	25
1451DH/ DH400	A - A	0.12 mA	25
2100	A - N/A	0.12 mA	25
2100T	A - N/A	0.12 mA	25
2151/ B110LP	A - A	0.12 mA	25
5451 / B406B	A - A	0.12 mA	25
2151/ B116LP	A - A	0.12 mA	25
2400	A - N/A	0.12 mA	25

Smoke Detector Manufacturer Model / Base	Compatibility Identifier Head / Base	Rated Standby Current	Maximum # of devices per circuit
<b>System Sensor continued</b>			
2400TH	A - N/A	0.12 mA	25
2WTA-B	A - N/A	0.1 mA	1
2WTR-B	A - N/A	0.1 mA	1
2W-B, 2WT-B	A - N/A	0.1 mA	30

**MMX™-4000 and MMX™-2000 (MMX-4003-12N, MMX-4009-12N, MMX-4017-12N, MMX-4000MNS, MMX-2003-12N/DS, MMX-2003-12XTDS, MMX-2009-12N/DS, MMX-2017-12N/DS, MMX-2000MNS) Series UL Listed Compatible Four-Wire Smoke Detectors**

**Note:** Use firmware version 12.0 and up with Advanced Protocol devices and monitors. The SLC loop can support up to 159 AP devices and 159 AP monitors.

Manufacturer & Model	Maximum # of Devices
<b>Mircom</b>	
MIR-545U	30
MIR-545TU	30
<b>Sentrol-ESL</b>	
541C	N/A
541CXT	N/A
709-MV-21	N/A
709-24V-21	N/A
741U with 702U or 702E Base	N/A
449AT, 449C, 449CT, 449CRT, 449CST, 449CSTE, 449CSRT, 449CSRH, 449CSST, 449CSSTE, 449CTE, 449CSLT	N/A
<b>System Sensor</b>	
1424	25
6424	30
6424A	30
A77-716B	
DH400ACDCI	8
DH400ACDCP	8
DH400ACDCIHT	8

**MMX™-4000 and MMX™-2000 (MMX-4003-12N, MMX-4009-12N, MMX-4017-12N, MMX-4000MNS, MMX-2003-12N/DS, MMX-2003-12XTDS, MMX-2009-12N/DS, MMX-2017-12N/DS, MMX-2000MNS) Series UL Listed Compatible Signalling Devices**

System Sensor - SpectrAlert	Wheelock continued	Wheelock continued
P2415	AS-2475C-FW	AMT-12/24-R-ULC
P2415W	AS-24100C-FW	AMT-24-LS-VFR-ULC
P241575	AH-24-R	MB-G6-24-R
P241575W	AH-24-WP-R	MB-G10-24-R
P2475	NS-2415W-FR	SM-12/24-R
P2475W	NS-241575W-FR	DSM-12/24-R
P24110	NS-2430W-FR	
P24110W	NS-2475W-FR	
S2415	NS-24110W-FR	
S2415W	NS4-2415W-FR	
S241575	NS4-241575W-FR	
S241575W	NS4-2430W-FR	
S2475	NS4-2475W-FR	
S2475W	NS4-24110W-FR	
S24110	RS-2415W-FR	
S24110W	RSS-241575W-FR	
H12/24	RSS-2415W-FR	
H12/24W	RSS-241575W-FR	
MDL	RSS-2430W-FR	
MDLW	RSS-2475W-FR	
<b>Wheelock</b>	RSS-24110W-FR	
AS-2415W-24-FR	RSS-2415C-FW	
AS-241575W-FR	RSS-2430C-FW	
AS-2430W-FR	RSS-2475C-FW	
AS-2475W-FR	RSS-24100C-FW	
AS-24110W-FR	MT-12/24-ULC	
AS-2415C-FW	MT-24-LS-VFR-ULC	
AS-2430C-FW	MT-24-WS-VFR-ULC	

# MMX™-4000 and MMX™-2000 Series ULC Listed Compatible Devices

## MMX™-4000 and MMX™-2000 (MMX-4003-12N, MMX-4009-12N, MMX-4017-12N, MMX-4000MNS, MMX-2003-12N/DS, MMX-2003-12XTDS, MMX-2009-12N/DS, MMX-2017-12N/DS, MMX-2000MNS) Series ULC Listed Compatible Addressable Loop Modules

Manufacturer & Model	Description
<b>Secutron</b>	
MRI-FC351APA	Advanced Protocol CO and Photoelectric Smoke Detector.
MRI-COSAPA	Advanced Protocol CO and Photoelectric Smoke Detector.
MRI-2351APA	Advanced Protocol Photoelectric Smoke Detector
MRI-2351TAPA	Advanced Protocol Photoelectric Smoke Detector with Thermal Sensor
MRI-2351RAPA	Advanced Protocol Photoelectric Smoke Detector with Remote Test
MRI-5351APA	Advanced Protocol Heat Detector
MRI-5351RAPA	Advanced Protocol Heat Detector Rate of Rise
MRI-5351HAPA	Advanced Protocol High Heat Detector
MRI-1251APA	Advanced Protocol Ionization Smoke Sensor
MRI-2251APA	Advanced Protocol Photoelectric Smoke Sensor
MRI-2251TAPA	Advanced Protocol Thermal Sensor
MRI-2251TMAPA	Advanced Protocol Photoelectric/Thermal Sensor
MRI-2251RAPA	Advanced Protocol Photo Smoke Detector
MRI-1551A	Analog Ionization Smoke Sensor
MRI-1251A/BA	Low-Profile Analog Ionization Smoke Sensor
MRI-2551/BA/BRA	Analog Photoelectronic Smoke Sensor
MRI-2251A/2251TA/TBA	Low-Profile Analog Photoelectronic Smoke Sensor / Plus Thermal
MRI-2251TMA/TMBA	Low-Profile Acclimate™ Intelligent Photoelectric Thermal Sensor
MRI-5251APA/HAPA/RAPA	Advanced Protocol Thermal Detector/Rate of Rise
MRI-5251BA/RBA/HA	Intelligent Thermal Sensor
MRI-M500MAPA	Advanced Protocol Monitor Module
MRI-M500MA	Monitor Module (Universal)
MRI-M500DMAPA	Advanced Protocol Dual Input Monitor Module
MRI-M500DMA	Addressable Dual Input Module
MRI-M500CHA	Addressable Control Module

Manufacturer & Model	Description
<b>Secutron continued</b>	
MRI-M501MAPA	Advanced Protocol Mini Monitor Module
MRI-M501MA	Addressable Mini-Monitor Module
MRI-M502MAPA	Advanced Protocol Universal Module
MRI-M502MA	Universal Monitor Module
MRI-M500RAPA	Advanced Protocol Relay Control Module
MRI-M500RA	Addressable Relay Output Module
MRI-M500SAPA	Advanced Protocol Supervised Control Module
MRI-M500SA	Addressable Supervised Output Module
MRI-M500FPA	Addressable Firephone Module
MRI-DH200PLA	Intelligent Smoke Detector
MRI-DH200RPLA	Intelligent Smoke Detector (with relay)
MRI-B501BHA	200 Series Low Profile Intelligent Base with Horn
MRI-B501BHTA	200 Series Low Profile Intelligent Base with Horn (Temporal Code)
MRM-401AP	Advanced Protocol Addressable Single Stage Single Action Manual Station
MRM-402AP	Advanced Protocol Addressable Two Stage Single Action Manual Station
MRM-702AP	Advanced Protocol Addressable Two Stage Single Action Manual Station
MRM-710AP	Advanced Protocol Addressable Dual Action Manual Station
MRM-401AD	Addressable Single Stage Single Action Manual Station
MRM-402AD/MRM-407AD	Addressable Two Stage Single Action Manual Station
MRM-702AD	Addressable Two Stage Single Action Manual Station
MRM-701AD	Addressable Single Manual Stations
MRM-710AD	Addressable Dual Action Manual Station
<b>System Sensor</b>	
7251A	Pinnacle™ Intelligent Laser Smoke Sensor
2251-COPTIRA	Multi-criteria Fire Detector (do not set to Level 1 Alarm)
M500M-4-20	4-20mA Analog Input Module
M500DMR1A	Multiple Module with 2 Monitor Inputs and 2 Relay Outputs
5551A	Analog Thermal Sensor
5551RA	Analog Rate of Rise Thermal Sensor
5251PA	Low-Profile Analog Thermal Sensor
5251RPA	Low-Profile Analog Rate of Rise Thermal Sensor

Manufacturer & Model	Description
<b>System Sensor continued</b>	
FTX-P1A	Filtrex™ Intelligent Photoelectric Smoke Sensor
ISO-6A	Advanced Protocol Six Isolator Module
M500XA	Fault Isolator Module
APB200COA	Sounder Base used with MIX-COSAPA detector
B210LPA	200 Series Low Profile Intelligent Base
B224BIA	Analog Base with Isolator
B224RBA	Analog Base with Relay
B200SRA	Analog Base with Sounder
B501B/A	Analog Base
APIM-10A	Advanced Protocol Ten Input Monitor Addressable Module
IM-10A	Ten Input Monitor Addressable Module
APCR-6A	Advanced Protocol Six Relay Control Module
CR-6A	Six Relay Control Module
SC-6A	Six Supervised Control Module
CZ-6A	Six Addressable Universal Zone Module
BEAM200A	Intelligent Addressable Beam Detector
BEAM200SA	Intelligent Addressable Beam Detector (with Sens Test)
DNRA	Duct Housing for MRI-2251BA and MRI-2251BRA detectors
DNRW	Watertight Innovair Flex Duct Detector Housing for MRI-2251BA, MRI-2251BRA Heads
OSI-RI-AP	Advanced Protocol Beam Detector

Secutron  
**MMX™-4000 and MMX™-2000 (MMX-4003-12N, MMX-4009-12N, MMX-4017-12N, MMX-4000MNS, MMX-2003-12N/DS, MMX-2003-12XTDS, MMX-2009-12N/DS, MMX-2017-12N/DS, MMX-2000MNS) Series ULC Listed Compatible 2 Wire Smoke Detectors**



**Notes:** Whether mixing different models of compatible smoke detectors or using the same model on the same circuit, total standby current of all detectors must not exceed 3 mA.

<b>Manufacturer &amp; Model/Base</b>	<b>Maximum # of Devices/Circuit</b>	<b>Manufacturer &amp; Model/Base</b>	<b>Maximum # of Devices/Circuit</b>
<b>Mircom</b>		<b>Edwards continued</b>	
MIR-525	30	6269C	100
MIR-525T	30	6270C	100
MIR-1400A	30	6269C-003	100
MIR-2400A	25	6270C-003	100
MIR-752L/MIR-B6	21	<b>Fenwal</b>	
MIR-752L/MIR-B44	21	PSD-7131/70-201000-001	42
MIR-752HL/MIR-B6	21	PSD-7131/70-201000-002	42
MIR-752HL/MIR-B44	21	PSD-7131/70-201000-003	42
<b>MGC Systems Corp</b>		PSD-7131/70-201000-005	42
SD-100-2WT/SDB-104-2	21	PSD-7130/70-201000-001	42
SD-100-2WT/SDB-104-4	21	PSD-7130/70-201000-002	42
SD-100-2WT/SDB-106-4	21	PSD-7130/70-201000-003	42
SD-100-4WT/SDB-104-4	21	PSD-7130/70-201000-005	42
SD-100-4WT/SDB-106-4	21	PSD-7128/70-201000-001	42
SD-100-4WP/SDB-104-4	21	PSD-7126/70-201000-002	42
SD-100-4WP/SDB-106-4	21	PSD-7126/70-201000-003	42
<b>Apollo</b>		PSD-7126/70-201000-005	42
55000-325	30	PSD-7129/70-201000-000	42
55000-325 / 45681-251, -255, -256, -258	30	PSD-7125/70-201000-001	42
<b>Cerberus Pyrotronics</b>		PSD-7126/70-201000-002	42
D1-2	30	PSD-7125/70-201000-003	42
D1-2	30	PSD-7125/70-201000-005	42
<b>Edwards</b>		CPD-7021/70-201000-001	42
6249C	100	CPD-7021/70-201000-002	42
6250C	100	CPD-7021/70-201000-003	42
6264C	100	CPD-7021/70-201000-005	42
6266C	100		



<b>Manufacturer &amp; Model/Base</b>	<b>Maximum # of Devices/ Circuit</b>	<b>Manufacturer &amp; Model/Base</b>	<b>Maximum # of Devices/ Circuit</b>
<b>Hochiki</b>		<b>Mirtone continued</b>	
DCD-135/NS6-220	30	73595/73486	60
DCD-135/NS4-220	30	73594/73400	60
DCD-135/HSC-220R	30	73405/73400	100
DCD-190/NS6-220	30	73594/73401	60
DCD-190/NS4-220	30	73405/73401	100
DCD-190/HSC-220R	30	<b>System Sensor</b>	
SLR-24/NS4-220	30	1451DH/DH400A	30
SLR-24/HSC-220R	30	2451-A/DH400A	25
SLR-24H/NS6-220	30	1151A	30
SLR-24H/NS4-220	30	2151A	30
SLR-24H/HSC-220R	30	C2W-BA/C2WT-BA	30
SLR-835/NS6-220	30	C2WTR-B	1
SLR-835/NS4-220	30	C2WTA-BA	1
SLR-835/HSC-220R	30	1400-A	30
SLR-835B-2	30	2400-A	25
SLR-24H/HSC-220R	30	1451-A/B401B	25
SLR-835/NS6-220	30	1451-A/B406B	25
SLR-835/NS4-220	30	2451-A/B401B	25
SLR-835/HSC-220R	30	2451-A/B406B	25
SLR-835B-2	30	<b>Simplex</b>	
SIJ-24/NS6-220	30	2098-9110	30
SIJ-24/NS4-220	30	<b>NAPCO</b>	
SIJ-24/HSC-220R	30	FW-2	30
SLR-24/NS6-220	30		
<b>Mirtone</b>			
73471	30		
73494	100		
73575	60		
73495/73486	100		
73495/73487	100		
73595/73497	60		

## MMX™-4000 and MMX™-2000 (MMX-4003-12N, MMX-4009-12N, MMX-4017-12N, MMX-4000MNS, MMX-2003-12N/DS, MMX-2003-12XTDS, MMX-2009-12N/DS, MMX-2017-12N/DS, MMX-2000MNS) Series ULC Compatible Synchronized Modules and Strobes


**Notes:**

1. \* Strobes and horns must be connected to separate circuits since the horn is a non-synchronized audible appliance.
2. Do not mix and match sync module with strobes from different manufacturers because each manufacturer uses different synchronization protocols.

Manufacturer	Brand	Sync. Module	Strobe Model	Max. Strobe / NAC
Gentex Corp.	Secutron	AVS44 R, ASVM	MRA-HS3-24ww	20
Amseco / Potter	Mircom	SDM 240	FHS-340, FHS-240	15
SpectrAlert	System Sensor	MDL, MDL3	P2 Series, P1224 MC	25
Wheelock	Wheelock	DSM 12/24	NS-24 MCW -FW	25
Faraday	Faraday	5406	6234B-14-24	26*

# MMX™-4000 Series (MMX-4003-12N, MMX-2009-12N, MMX-4017-12N and MMX-4000MNS) UL Listed Compatible Addressable Loop Modules using ALCN-960MISO and ALCN-960D Loop Drivers

Secutron device	Description
MRI-4010	Photo Electric smoke detector
<b>MGC Model:</b> MIX-4010-DUCT	Duct detector housing c/w MIX-4010-D photoelectric smoke detector
MRI-4011	Photo Electric smoke detector
MRI-4020	Multi-Sensor (photo/heat) detector
MRI-4021	Multi-Sensor (photo/heat) detector
MRI-4030	Heat detector
MRI-4040	Dual input monitor module
MRI-4040-M	Multi-input monitor module
MRI-4041	Dual input mini monitor module
MRI-4042	Analog (Conventional zone or 4-20mA) input module
MRI-4045	Dual relay module
MRI-4045-M	Multi relay module
MRI-4046	Multi-use output (Phone/NAC/Speakers) module
MRI-4070	SLC Short-circuit isolator
MRI-4070-M	Multi-isolator module
MRI-4010-ISO	Photo Electric smoke detector with SLC short-circuit isolator
MRI-4011-ISO	Photo Electric smoke detector with SLC short-circuit isolator
MRI-4020-ISO	Multi-Sensor (photo/heat) detector with SLC short-circuit isolator
MRI-4021-ISO	Multi-Sensor (photo/heat) detector with SLC short-circuit isolator
MRI-4030-ISO	Heat detector with SLC short-circuit isolator
MRM-401MP	Intelligent Single Stage Manual Station MP, ULC
MRM-401MPU	Intelligent Single Stage Manual Station MP, UL
MRM-402MP	Intelligent Dual Stage Manual Station MP, ULC
MRM-407MP	Intelligent Single Stage Manual Station MP with additional N.C. switch, ULC
MRM-407MPU	Intelligent Single Stage Manual Station MP with additional N.C. switch, UL
MRM-702MP	Intelligent Dual Stage Manual Station MP, ULC
MRM-710MP	Intelligent Single Stage Dual Action Manual Station MP, ULC

MRM-710MPU	Intelligent Single Stage Dual Action Manual Station MP, UL
MRM-802MP	Intelligent Dual Stage, Dual Action Manual Station MP, ULC
MRM-810MP	Intelligent Single Stage Dual Action Manual Station MP, ULC
MRM-810MPU	Intelligent Single Stage Dual Action Manual Station MP, UL
MRM-822MP	Intelligent Dual Stage Dual Action Manual Station MP, UL

**MMX™-4000 and MMX™-2000 (MMX-4003-12N, MMX-4009-12N, MMX-4017-12N, MMX-4000MNS) UL Listed Compatible Two-Wire Detectors Compatible with MRI-4042 Zone Module**

<b>Manufacturer</b>	<b>Model</b>	<b>Bases</b>	<b>Maximum # of devices per circuit</b>	<b>Detector supply voltage range at MRI-4042 input</b>	<b>Alarm Verification allowed</b>
Detection Systems Inc (Bosch)	DS250	MB2W,MB4W	30	18 to 30VDC	N
Detection Systems Inc (Bosch)	DS250TH	MB2W,MB4W	30	18 to 30VDC	N
Detection Systems Inc (Bosch)	DS282	MB2W,MB4W	30	18 to 30VDC	N
Detection Systems Inc (Bosch)	DS282TH	MB2W,MB4W	30	18 to 30VDC	N
Mircom	MIR-525U	N/A	30	18 to 30VDC	N
Mircom	MIR-525TU	N/A	30	18 to 30VDC	N
Mircom	SD-100-2WP	SDB-104-4,SDB-106-4	20	18 to 28VDC	N
Mircom	SD-100-2WT	SDB-104-4,SDB-106-4	20	18 to 28VDC	N
Sentrol ESL	429C	701E, 701U, 702E, 702U	30	18 to 30VDC	Y
Sentrol ESL	429CT	701E, 701U, 702E, 702U	30	18 to 30VDC	Y
Sentrol ESL	711U	701E, 701U, 702E, 702U	30	18 to 30VDC	Y
Sentrol ESL	711UT	701E, 701U, 702E, 702U	30	18 to 30VDC	Y
Sentrol ESL	713-5U	701E, 701U, 702E, 702U	30	18 to 30VDC	Y
Sentrol ESL	713-6U	701E, 701U, 702E, 702U	30	18 to 30VDC	Y
Sentrol ESL	721U	701E, 701U, 702E, 702U	30	18 to 30VDC	Y
Sentrol ESL	721UT	701E, 701U, 702E, 702U	30	18 to 30VDC	Y
Sentrol ESL	722U	701E, 701U, 702E, 702U	30	18 to 30VDC	Y

<b>Manufacturer</b>	<b>Model</b>	<b>Bases</b>	<b>Maximum # of devices per circuit</b>	<b>Detector supply voltage range at MRI-4042 input</b>	<b>Alarm Verification allowed</b>
Sentrol ESL	429CRT	702E, 702RE, 702RU, 702U	30	18 to 30VDC	Y
Sentrol ESL	429CST	702E, 702RE, 702RU, 702U	30	18 to 30VDC	Y
Sentrol ESL	731U	702E, 702RE, 702RU, 702U	30	18 to 30VDC	Y
Sentrol ESL	732U	702E, 702RE, 702RU, 702U	30	18 to 30VDC	Y
System Sensor	1100	N/A	25	18 to 30VDC	N
System Sensor	1151	B110LP	25	18 to 30VDC	N
System Sensor	1400	N/A	30	18 to 30VDC	N
System Sensor	1451	B401, B401B	25	18 to 30VDC	N
System Sensor	1451DH	DH400	25	18 to 30VDC	N
System Sensor	2100	N/A	30	18 to 30VDC	N
System Sensor	2100T	N/A	30	18 to 30VDC	N
System Sensor	2151	B110LP	25	18 to 30VDC	N
System Sensor	2400	N/A	25	18 to 30VDC	N
System Sensor	2400HT	N/A	25	18 to 30VDC	N
System Sensor	2451	B401, B401B, DH400	25	18 to 30VDC	N
System Sensor	2451TH	B401, B401B	25	18 to 30VDC	N
System Sensor	5451	B401, B401B	25	18 to 30VDC	N
System Sensor	2W-B	N/A	30	18 to 30VDC	Y
System Sensor	2WT-B	N/A	30	18 to 30VDC	Y
System Sensor	2WTA-B	N/A	30	18 to 30VDC	Y

# UL Compatible Speakers with Mircom Amplifiers, MMX™ FACP and Temporal 520Hz Square Wave Low Frequency Signal.

## MGC Amplifiers

Model	Description
QAA-5415-70	70 Volt Quad 15 Watt Amplifier
QAA-5415-25	25 Volt Quad 15 Watt Amplifier
QAA-5230-70/25	25 or 70 Volt Dual 30 Watt Amplifier
QAA-5230S-70/25	25 or 70 Volt Dual 30 Watt Amplifier split 'A' 'B' circuits per floor
QAA-5160-70/25	25 or 70 Volt 60 Watt Amplifier

## Secutron Temporal 520Hz Square Wave Low Frequency Signal

UL tested Secutron temporal 520Hz square wave signal has three different levels, L, M, H available in the MMX Configurator library. Refer to the following table for recommended level selection for UL application according to the amplifier model installed.

Speaker/Strobe Manufacturer	Temporal 520Hz Square Wave Low Frequency Signal Level Setting	Amplifier Model and Voltage Setting							
		QAA-5415-25		QAA-5415-70		QAA-5230-70/25		QAA-5160-70/25	
		25V	70V	25V	70V	25V	70V		
System Sensor	Sq_520Hz_L			X		X			
	Sq_520Hz_M	X			X		X		
	Sq_520Hz_H		X						
Gentex	Sq_520Hz_L			X		X			
	Sq_520Hz_M	X			X		X		
	Sq_520Hz_H		X						

## System Sensor Speakers

Model	Description	Back Box
SPR, SPW	Wall Mount Speaker, Red / White, c/w 25V/70.7V Output, ¼, ½, 1 and 2W	Flush mount on 4 x 4 standard outlet box; (NOTE: 25V cannot be used with QAA-5415-25 and 4x4 standard outlet box) or  Surface mount on Back Box SBBSPR or SBBSPRW;
SPSR, SPSW	Wall Mount Speaker/Strobe, Red / White, c/w 25/70.7V Output, ¼, ½, 1 and 2W, 15, 15/75, 30, 75, 95, 110, 115 cd	Flush Mount on 4 x 4 standard outlet box; or  Surface mount on Back Box SBBSPR or SBBSPRW;

Model	Description	Back Box
SPSRH, SPSWH	Wall Mount Speaker/Strobe, Red/White, c/w 25/70.7V Output, ¼, ½, 1 and 2W; 135, 150, 177, and 185 cd	Flush Mount on 4 x 4 standard outlet box; or Surface mount on Back Box SBBSPR or SBBSPRW;
SPSR-P, SPSW-P	Wall Mount Speaker/Strobe, Red/White, No Markings, c/w 25/70.7V Output, ¼, ½, 1 and 2W, 15, 15/75, 30, 75, 95, 110, 115 cd	Flush Mount on 4 x 4 standard outlet box; or Surface mount on Back Box SBBSPR or SBBSPRW;
SPSRH-P, SPSWH-P	Wall Mount Speaker/Strobe, Red/White No Markings, c/w 25/70.7V Output, ¼, ½, 1 and 2W, 135, 150, 177, and 185 cd	Flush Mount on 4 x 4 standard outlet box; or Surface mount on Back Box SBBSPR or SBBSPRW;
SPSW-ALERT	Wall Mount Speaker/Strobe, White, c/w Amber Lens and Alert Markings, 25/70.7V Output, ¼, ½, 1 and 2W, 15, 15/75, 30, 75, 95, 110, 115 cd	Flush Mount on 4 x 4 standard outlet box; or Surface mount on Back Box SBBSPR or SBBSPRW;
SPCR, SPCW	Round Ceiling Speaker, Red/White, c/w 25/70.7V Output, ¼, ½, 1 and 2W	Flush mount on 4 x 4 standard outlet box; or Surface mount on Back Box SBBCR or SBBCW
SPSCR, SPSCW	Round Ceiling Mount Speaker/Strobe, Red/white, c/w 25/70.7V Output, ¼, ½, 1 and 2W, 15, 15/75, 30, 75, 95, 110, 115 cd	Flush mount on 4 x 4 standard outlet box; or Surface mount on Back Box SBBCR or SBBCW
SPSCRH, SPSCWH	Round Ceiling Mount Speaker/Strobe, Red/White, c/w 25/70.7V Output, ¼, ½, 1 and 2W, 135, 150, 177, and 185 cd	Flush mount on 4 x 4 standard outlet box; or Surface mount on Back Box SBBCR or SBBCW
SPSCW-P	Round Ceiling Mount Speaker/Strobe, White, No Markings, c/w 25/70.7V Output, ¼, ½, 1 and 2W, 15, 15/75, 30, 75, 95, 110, 115 cd	Flush mount on 4 x 4 standard outlet box; or Surface mount on Back Box SBBCR or SBBCW
SPSCWH-P	Round Ceiling Mount Speaker/Strobe, White, No Markings, c/w 25/70.7V Output, ¼, ½, 1 and 2W, 135, 150, 177, and 185 cd	Flush mount on 4 x 4 standard outlet box; or Surface mount on Back Box SBBCR or SBBCW
SPSCW-CLR-ALERT	Ceiling Mount Speaker/Strobe, White, c/w Clear Lens and Alert Markings, 25/70.7V Output, ¼, ½, 1 and 2W, 15, 15/75, 30, 75, 95, 110, 115 cd	Flush mount on 4 x 4 standard outlet box; or Surface mount on Back Box SBBCR or SBBCW



## Gentex Speakers

Model	Description	Back Box
SSPK24WLP*	WALL MOUNT SPEAKER WITH SELECTABLE STROBE	4 x 4 x 2-1/8 standard junction box; GBLP Back Box
SSPK24-15/ 75WLP	Wall Mount Speaker with Fixed 15/ 75 cd Strobe	4 x 4 x 2-1/8 standard junction box; GBLP Back Box
SSPKA24-15/ 75WLP	Wall Mount Speaker with Fixed 15/ 75 cd Strobe, Amber Lens	4 x 4 x 2-1/8 standard junction box; GBLP Back Box
SSPKB24-15/ 75WLP	Wall Mount Speaker with Fixed 15/ 75 cd Strobe, Blue Lens	4 x 4 x 2-1/8 standard junction box; GBLP Back Box
SSPKG24-15/ 75WLP	Wall Mount Speaker with Fixed 15/ 75 cd Strobe, Green Lens	4 x 4 x 2-1/8 standard junction box; GBLP Back Box
SSPKR24-15/ 75WLP	Wall Mount Speaker with Fixed 15/ 75 cd Strobe, Red Lens	4 x 4 x 2-1/8 standard junction box; GBLP Back Box

## Special Application for UL/ULC Listed MGC NAC Devices with SGM-1004S on MMX™ Series, MMX™-4000 Series

<b>FHS-400 wall mounted horn and strobe</b>		
<b>Candela Setting</b>	<b>Volume Setting</b>	<b>Maximum # of devices per NAC</b>
15	High	30
	Low	30
30	High	21
	Low	27
75	High	11
	Low	18
15/75	High	11
	Low	17
<b>FHS-400C ceiling mounted horn and strobe</b>		
<b>Candela Setting</b>	<b>Volume Setting</b>	<b>Maximum # of devices per NAC</b>
15	High	22
	Low	24
30	High	13
	Low	16
<b>FH-400 wall and ceiling mounted horn</b>		
<b>Volume Setting</b>	<b>Maximum # of devices per NAC</b>	
High	30	
Low	30	

<b>FS-400 wall mounted strobe</b>	
<b>Candela Setting</b>	<b>Maximum # of devices per NAC</b>
15	30
30	28
75	17
15/75	18
<b>FS-400C ceiling mounted strobe</b>	
<b>Candela Setting</b>	<b>Maximum # of devices per NAC</b>
15	22
30	13

## Regulated Application for UL/ULC Listed NAC Devices with SGM-1004S on MMX™ Series, MMX™-4000 Series

<b>System Sensor P2RL/P2RLA</b>		
<b>Candela Setting</b>	<b>Volume Setting</b>	<b>Maximum # of devices per NAC</b>
15	High	20
	Low	20
30	High	15
	Low	18
75	High	10
	Low	11
95	High	9
	Low	10
110	High	8
	Low	9
135	High	7
	Low	7
185	High	5
	Low	6
<b>Wheelock HSR</b>		
<b>Candela Setting</b>	<b>Volume Setting</b>	<b>Maximum # of devices per NAC</b>
15	99dbA	20
	95dBA	20
	90dBA	20
15/75	99dbA	17
	95dBA	20
	90dBA	20
30	99dbA	16
	95dBA	19
	90dBA	20

75	99dbA	11
	95dBA	12
	90dBA	12
95	99dbA	9
	95dBA	10
	90dBA	10
110	99dbA	8
	95dBA	9
	90dBA	9
135	99dbA	7
	95dBA	7
	90dBA	7
185	99dbA	6
	95dBA	6

**Gentex GEC3-24WR**

<b>Candela Setting</b>	<b>Volume Setting</b>	<b>Maximum # of devices per NAC</b>
15	100dBA	20
30	100dBA	19
60	100dBA	13
75	100dBA	11
110	100dBA	8

## Regulated Application for UL/ULC Listed MGC NAC Devices with SGM-1004S on MMX™ Series, MMX™-4000 Series

All these devices are synchronized, except for MH-25 and MH-S25.

<b>SPPS-104 series ceiling mounted speaker strobe</b>	
<b>Candela Setting</b>	<b>Maximum # of devices per NAC</b>
15	30
30	30
75	14
110	8
125	5
15/75	14
<b>SPPS-104H series ceiling mounted speaker strobe with high candela</b>	
<b>Candela Setting</b>	<b>Maximum # of devices per NAC</b>
50	26
75	20
90	16
130	10
185	4
15/75	19
<b>SPPS-204 series wall mounted speaker strobe</b>	
<b>Candela Setting</b>	<b>Maximum # of devices per NAC</b>
15	30
30	30
75	17
110	8
15/75	16
<b>MH-25 and MH-S25 mini horn</b>	
	<b>Maximum # of devices per NAC</b>
MH-25	30
MH-S25	27

# MR-400 and MR-401 ULI Listed Compatible Devices

## MR-400 and MR-401 ULI Listed Compatible Addressable Devices

Secutron Models	Description
<b>Secutron Addressable Detectors</b>	
<b>MRI-4010</b>	Photoelectric Smoke Sensor
<b>MRI-4010-ISO</b>	Photoelectric Smoke Sensor with Built-in Short Circuit Isolator
<b>MGC Model: MIX-4010-DUCT</b>	Duct detector housing c/w MIX-4010-D photoelectric smoke detector
<b>MIX-4011</b>	Photoelectric Smoke Sensor
<b>MIX-4011-ISO</b>	Photoelectric Smoke Sensor with Built-in Short Circuit Isolator
<b>MRI-4020</b>	Multi-Sensor Detector
<b>MRI-4020-ISO</b>	Multi-Sensor Detector with Built-in Short Circuit Isolator
<b>MIX-4021</b>	Multi-Sensor Detector
<b>MIX-4021-ISO</b>	Multi-Sensor Detector with Built-in Short Circuit Isolator
<b>MRI-4030</b>	Tri-Mode Heat Detector
<b>MRI-4030-ISO</b>	Tri-Mode Heat Detector with Built-in Short Circuit Isolator
<b>Secutron Addressable Control Modules</b>	
<b>MRI-4040</b>	Dual Input Module
<b>MRI-4040-M</b>	Multi-input monitor module
<b>MRI-4041</b>	Mini Dual Input Module
<b>MRI-4042</b>	Analog (Conventional zone or 4-20mA) Input Module
<b>MRI-4045</b>	Dual Relay Module
<b>MRI-4045-M</b>	Multi relay module
<b>MRI-4046</b>	Supervised Output Module
<b>MRI-4070</b>	SLC Short Circuit Isolator Module
<b>MRI-4070-M</b>	Multi-isolator module
<b>Secutron Addressable Bases</b>	
<b>MRI-4001</b>	6" Diameter Detector Base
<b>MRI-4002</b>	4" Diameter Detector Base
<b>MRI-4003-R</b>	7" Base with relay
<b>MRI-4003-S</b>	7" Base with sounder

## MR-401 ULI/ULC Listed Compatible Manual Stations

Secutron Models	Description
<b>Secutron Addressable Manual Stations</b>	
<b>MRM-401MP</b>	Intelligent Single Stage Manual Station MP
<b>MRM-401MPU</b>	Intelligent Single Stage Manual Station MP (US)
<b>MRM-402MP</b>	Intelligent Two Stage Manual Station MP
<b>MRM-407MP</b>	Intelligent Single Stage Manual Station MP with additional N.C. switch
<b>MRM-407MPU</b>	Intelligent Single Stage Manual Station MP with additional N.C. switch (US)
<b>MS-702MP</b>	Intelligent Key-Resettable Two Stage Manual Station MP
<b>MRM-710MP</b>	Intelligent Key-Resettable Single Stage Dual Action Manual Station MP
<b>MRM-710MPU</b>	Intelligent Key-Resettable Single Stage Dual Action Manual Station MP (US)
<b>MRM-810MP</b>	Single Stage, Dual Action, MP Addressable Manual Station
<b>MRM-810MPU</b>	Single Stage, Dual Action, MP Addressable Manual Station (US)
<b>MRM-802MP</b>	Two Stage, Dual Action, MP Addressable Manual Station
<b>MRM-822MP</b>	Two Stage, Dual Action, MP Addressable Manual Station with additional door contacts

## MR-400 ULI Listed Compatible Manual Stations

Secutron Models	Description
<b>Secutron Addressable Manual Stations</b>	
<b>MRM-401MPU</b>	Intelligent Single Stage Manual Station MP (ULI)
<b>MRM-407MPU</b>	Intelligent Single Stage Manual Station MP with additional N.C. switch (ULI)
<b>MRM-710MPU</b>	Intelligent Key-Resettable Single Stage Dual Action Manual Station MP (ULI)
<b>MRM-810MPU</b>	Single Stage, Dual Action, MP Addressable Manual Station (ULI)



## ULI/ULC Listed Compatible Two-Wire Detectors Compatible with MRI-4042 Zone Module with MR-400 and MR-401 FACPs

Manufacturer	Model	Bases	Maximum # of devices per circuit	Detector supply voltage range at MRI-4042 input	Alarm Verification allowed
Detection Systems Inc (Bosch)	DS250	MB2W,MB4W	30	18 to 30VDC	N
Detection Systems Inc (Bosch)	DS250TH	MB2W,MB4W	30	18 to 30VDC	N
Detection Systems Inc (Bosch)	DS282	MB2W,MB4W	30	18 to 30VDC	N
Detection Systems Inc (Bosch)	DS282TH	MB2W,MB4W	30	18 to 30VDC	N
Mircom	MIR-525U	N/A	30	18 to 30VDC	N
Mircom	MIR-525TU	N/A	30	18 to 30VDC	N
Mircom	SD-100-2WP	SDB-104-4,SDB-106-4	20	18 to 28VDC	N
Mircom	SD-100-2WT	SDB-104-4,SDB-106-4	20	18 to 28VDC	N
Sentrol ESL	429C	701E, 701U, 702E, 702U	30	18 to 30VDC	N
Sentrol ESL	429CT	701E, 701U, 702E, 702U	30	18 to 30VDC	N
Sentrol ESL	711U	701E, 701U, 702E, 702U	30	18 to 30VDC	N
Sentrol ESL	711UT	701E, 701U, 702E, 702U	30	18 to 30VDC	N
Sentrol ESL	713-5U	701E, 701U, 702E, 702U	30	18 to 30VDC	N
Sentrol ESL	713-6U	701E, 701U, 702E, 702U	30	18 to 30VDC	N
Sentrol ESL	721U	701E, 701U, 702E, 702U	30	18 to 30VDC	N
Sentrol ESL	721UT	701E, 701U, 702E, 702U	30	18 to 30VDC	N
Sentrol ESL	722U	701E, 701U, 702E, 702U	30	18 to 30VDC	N

<b>Manufacturer</b>	<b>Model</b>	<b>Bases</b>	<b>Maximum # of devices per circuit</b>	<b>Detector supply voltage range at MRI-4042 input</b>	<b>Alarm Verification allowed</b>
Sentrol ESL	429CRT	702E, 702RE, 702RU, 702U	30	18 to 30VDC	N
Sentrol ESL	429CST	702E, 702RE, 702RU, 702U	30	18 to 30VDC	N
Sentrol ESL	731U	702E, 702RE, 702RU, 702U	30	18 to 30VDC	N
Sentrol ESL	732U	702E, 702RE, 702RU, 702U	30	18 to 30VDC	N
System Sensor	1100	N/A	25	18 to 30VDC	N
System Sensor	1151	B110LP	25	18 to 30VDC	N
System Sensor	1400	N/A	30	18 to 30VDC	N
System Sensor	1451	B401, B401B	25	18 to 30VDC	N
System Sensor	1451DH	DH400	25	18 to 30VDC	N
System Sensor	2100	N/A	30	18 to 30VDC	N
System Sensor	2100T	N/A	30	18 to 30VDC	N
System Sensor	2151	B110LP	25	18 to 30VDC	N
System Sensor	2400	N/A	25	18 to 30VDC	N
System Sensor	2400HT	N/A	25	18 to 30VDC	N
System Sensor	2451	B401, B401B, DH400	25	18 to 30VDC	N
System Sensor	2451TH	B401, B401B	25	18 to 30VDC	N
System Sensor	5451	B401, B401B	25	18 to 30VDC	N
System Sensor	2W-B	N/A	30	18 to 30VDC	N
System Sensor	2WT-B	N/A	30	18 to 30VDC	N
System Sensor	2WTA-B	N/A	30	18 to 30VDC	N

## MR-400 and MR-401 ULI Compatible Horn/Strobes

Brand	Strobe Model	Maximum # of devices per circuit
Mircom	FH-400-RR, FH-400-WW, FHS-400-WW, FHS-400-RR, FHS-400C-RR, FHS-400C-WW, FS-400-RR, FS-400-WW, FS-400C-RR, FS-400C-WW	7
SpectrAlert	P2R	22
Wheelock	NS-24 MCW-FW	17
Gentex	GHSLF15R	12

System Sensor L Series Models	Description
P2RL	HORN STROBE 2W RED WALL
P2WL	HORN STROBE 2W WHITE WALL
P2GRL	HORN STROBE 2W RED WALL, COMPACT
P2GWL	HORN STROBE 2W WHITE WALL, COMPACT
P2RL-P	HORN STROBE 2W RED WALL, PLAIN
P2WL-P	HORN STROBE 2W WHITE WALL, PLAIN
P2RL-SP	HORN STROBE 2W RED WALL, FUEGO
P2WL-SP	HORN STROBE 2W WHITE WALL, FUEGO
PC2RL	HORN STROBE 2W RED CEILING
PC2WL	HORN STROBE 2W WHITE CEILING
SRL	STROBE RED WALL
SWL	STROBE WHITE WALL
SGRL	STROBE RED WALL, COMPACT
SGWL	STROBE WHITE WALL, COMPACT
SRL-P	STROBE RED WALL, PLAIN
SWL-P	STROBE WHITE WALL, PLAIN
SRL-SP	STROBE RED WALL, FUEGO
SWL-CLR-ALERT	STROBE WHITE WALL, CLEAR LENS
SWL-ALERT	STROBE WHITE WALL, AMBER LENS
SCRL	STROBE RED CEILING
SCWL	STROBE WHITE CEILING

<b>System Sensor L Series Models</b>	<b>Description</b>
SCWL-CLR-ALERT	STROBE WHITE CEILING CLEAR LENS ALERT
HWL	HORN WHITE WALL
HRL	HORN RED WALL
HGRL	HORN RED WALL, COMPACT
HGWL	HORN WHITE WALL, COMPACT
CHWL	CHIME WHITE WALL
CHRL	CHIME RED WALL
CHSRL	CHIME STROBE RED WALL
CHSWL	CHIME STROBE WHITE WALL
CHSCRL	CHIME STROBE RED CEILING
CHSCWL	CHIME STROBE WHITE CEILING
SPSRL	SPEAKER STROBE RED WALL
SPSWL	SPEAKER STROBE WHITE WALL
SPSRL-P	SPEAKER STROBE RED WALL, PLAIN
SPSWL-P	SPEAKER STROBE WHITE WALL, PLAIN
SPSRL-SP	SPEAKER STROBE RED WALL, FUEGO
SPSWL-ALERT	SPEAKER STROBE WHITE WALL, ALERT
SPSWL-CLR-ALERT	SPEAKER STROBE WHITE WALL, CLEAR LENS ALERT
SPSCRL	SPEAKER STROBE RED CEILING
SPSCWL	SPEAKER STROBE WHITE CEILING
SPSCWL-P	SPEAKER STROBE WHITE CEILING, PLAIN
SPSCWL-SP	SPEAKER STROBE WHITE CEILING, FUEGO
SPSCWL-CLR-ALERT	SPEAKER STROBE WHITE CEILING, ALERT

## **MR-3500, MR-3500RCU and MR-3318 ULI Listed Compatible Devices**

### **MR-3500, MR-3500RCU and MR-3318 ULI Listed Compatible Addressable Devices**

<b>Secutron Models</b>	<b>Description</b>
<b>ULI Advanced Protocol Detectors</b>	
MRI-COS351AP	Advanced Protocol CO and Smoke Detector
MRI-CO351AP	Advanced Protocol CO Detector
MRI-FC351AP	Advanced Protocol CO and Photoelectric Smoke Detector (CO portion of the detector is latching supervisory alarm only).
MRI-2351AP	Advanced Protocol Photoelectric Smoke Detector
MRI-2351RAP	Advanced Protocol Photoelectric Smoke Detector with remote test
MRI-2351TAP	Advanced Protocol Photoelectric Smoke Detector with Thermal Sensor
MRI-2351TIRAP	Multi-criteria with complementary heat and IR
MRI-5351AP	Advanced Protocol Heat Detector
MRI-5351HAP	Advanced Protocol High Heat Detector
MRI-5351RAP	Advanced Protocol Rate of Rise Heat Detector
MRI-COSAP	Advanced Protocol CO and Photoelectric Smoke Detector
MRI-1251AP	Advanced Protocol Ion Smoke Detector
MRI-2251AP	Advanced Protocol Photo Smoke Detector
MRI-2251TAP	Advanced Protocol Photo Heat Detector
MRI-2251TMAP	Advanced Protocol Acclimate Detector
MRI-2251RAP	Advanced Protocol Photo Smoke Detector
MRI-5251AP	Advanced Protocol Heat Detector
MRI-5251HAP	Advanced Protocol High Temperature Heat Detector
MRI-5251RAP	Advanced Protocol Rate of Rise Heat Detector
<b>ULI Advanced Protocol Intelligent Modules</b>	
MRI-M500MAP	Advanced Protocol Monitor Module
MRI-M500DMAP	Advanced Protocol Dual Monitor Module
MRI-M500RAP	Advanced Protocol Relay Control Module
MRI-M500SAP	Advanced Protocol Supervised Control Module
MRI-M501MAP	Advanced Protocol Mini Monitor Module
MRI-M502AP	Advanced Protocol Zone Module
MRI-M502MAP	Advanced Protocol Conventional Zone Module
MRI-M501DMAP	Dual Mini Module component
<b>ULI Advanced Protocol Manual Stations</b>	
MRM-401APU	Addressable Single Stage Manual Station
MRM-407APU	Addressable Single Stage Manual Station with additional N.C. switch
MRM-710APU	Addressable Single Stage Dual Action Station

<b>Secutron Models</b>	<b>Description</b>
MPS-810APU	Addressable Single Stage Dual Action Station
<b>ULI Ancillary Modules</b>	
APCR-6	Advanced Protocol Six Relay Control Module
CR-6	Six Relay Control Module
CZ-6	Six Conventional Zone Interface Module
APIM-10	Advanced Protocol Ten Input Monitor Module
IM-10	Ten Input Monitor Module
ISO-6	Advanced Protocol Six Isolator Module
M500X	Fault Isolator Module
SC-6	Six Supervised Control Module
<b>ULI Bases</b>	
B200SR-LF	Low Frequency Intelligent Sounder Base
B210LP	Intelligent Flanged Mounting Base
B224BI	Intelligent Isolator Base
B224RB	Intelligent Relay Base
B501	Intelligent Flangeless Mounting Base
B501BH	Intelligent Sounder Base
B501BHT	Intelligent Temporal Tone Sounder Base
DNR	Intelligent non-relay photoelectric low-flow duct smoke detector housing
DNRW	Watertight Intelligent Non-relay Photoelectric Low-flow Duct Smoke Detector Housing
<b>ULI Intelligent Detectors</b>	
MRI-1251B	Intelligent Low Profile Ionization Smoke Sensor
MRI-2251B/BR	Intelligent Low Profile Photoelectronic Smoke Sensor
MRI-2251TB	Intelligent Low Profile Photoelectronic Smoke Sensor c/w 135°F Fixed Temp. Thermal Sensor
MRI-2251TMB	Intelligent Low Profile Multi-Criteria Sensor
MRI-5251B	Intelligent Low Profile Fixed Temp. Thermal Sensor 135°F
MRI-5251H	Intelligent Low Profile High Temperature Thermal Sensor 190°F
MRI-5251RB	Intelligent Low Profile Fixed Temp. and Rate of Rise Thermal Sensor 135°F
7251	Intelligent Low Profile Laser Smoke Detector
<b>ULI Intelligent Modules</b>	
MRI-500DM	Intelligent Dual Monitor Module
MRI-M500M	Intelligent Addressable Monitor Module
MRI-M500R	Intelligent Addressable Relay Module
MRI-M500S	Intelligent Addressable Supervised Control Module
MRI-M501M	Intelligent Addressable Mini-Monitor Module
MRI-M502M	Intelligent Addressable Interface Module

<b>Secutron Models</b>	<b>Description</b>
<b>ULI Addressable Manual Stations</b>	
MRM-401ADU	Addressable Single Stage Manual Station
MRM-702ADU	Addressable Two Stage Single Action Station
MRM-710ADU	Addressable Single Stage Dual Action Station
MPS-810ADU	Addressable Single Stage Dual Action Station

<b>Mircom Models</b>	<b>Description</b>
<b>System Sensor ULI Intelligent Modules and Detectors</b>	
M500S	Supervised Control Module
M500DMR1	Multiple Monitor with 2 Monitor Inputs and 2 Relay Outputs
APB-200	Intelligent Sounder base
APB-200-LF	Intelligent Low Frequency Sounder Base
BEAM200	Intelligent Addressable Beam Detector
BEAM200S	Intelligent Addressable Beam Detector (with Sens Test)
B200SR	200 Series Intelligent Base with Sounder
OSI-RI-AP	Advanced Protocol Beam Detector

## MR-3500, MR-3500RCU, MR-3318 ULI Listed Compatible Two-Wire Smoke Detectors



**Notes:** Detectors of different models are not to be mixed in a circuit.

When using two-wire smoke detectors a zone module is required.

\* For this detector, must use MRI-M502M/AP or CZ-6, no accessory and no alarm verification available.

Smoke Detector Manufacturer Model / Base	Compatibility Identifier Head / Base	Rated Standby Current (mA)	Maximum # of devices per circuit
<b>MGC Systems Corp.</b>			
SD-100-2WT/SDB-104-2 *	WHC60/WB02	0.14	21
SD-100-2WT/SDB-104-4 *	WHC60/WB04	0.14	21
SD-100-2WT/SDB-106-4 *	WHC60/WB02	0.14	21
<b>MPD-65P Bases MSB-65B, MSB-65B-4, MSB-65B-4R</b>			
MPD-65P	MPD-65P	0.13	21
<b>Apollo</b>			
<b>Series 60A Bases 45681-200,-220,-232,-251</b>			
<b>Series 65A Bases 45681-255,-256,-257,-258</b>			
55000-325	55000-325	0.13	21
55000-326	55000-326	0.13	21
55000-327	55000-327	0.13	21
55000-328	55000-328	0.13	21
<b>Hochiki</b>			
DCD-135/HSC-220R	HD-3/HB-72	0.035	12
DCD-135/NS6-220	HD-3/HB-3	0.035	12
DCD-190/HSC-220R	HD-3/HB-72	0.035	12
DCD-190/NS4-220	HD-3/HB-3	0.035	12
DCD-190/NS6-220	HD-3/HB-3	0.035	12
SIJ-24/HSC-220R	HD-3/HB-72	0.04	12
SIJ-24/NS4-220	HD-3/HB-3	0.04	12
SIJ-24/NS6-220	HD-3/HB-3	0.04	12
SLR-24/HSC-220R	HD-3/HB-72	0.045	12
SLR-24/NS4-220	HD-3/HB-3	0.045	12
SLR-24/NS6-220	HD-3/HB-3	0.045	12
<b>Sentrol-ESL</b>			
429C / (701E, 701U, 702E, 702U)	S10A-S00	0.1	30
429CRT / (702E, 702RE, 702RU, 702U)	S11A-S00	0.1	30



<b>Smoke Detector Manufacturer Model / Base</b>	<b>Compatibility Identifier Head / Base</b>	<b>Rated Standby Current (mA)</b>	<b>Maximum # of devices per circuit</b>
<b>Sentrol-ESL continued</b>			
429CST / (702E, 702RE, 702RU, 702U)	S11A-S00	0.1	30
429CT / (701E, 701U, 702E, 702U)	S10A-S00	0.1	30
711U-UT / (701E, 701U, 702E, 702U)	S10A-S00	0.1	30
713-5U / (701E, 701U, 702E, 702U)	S10A-S00	0.1	30
713-6U / (701E, 701U, 702E, 702U)	S10A-S00	0.1	30
721U / (701E, 701U, 702E, 702U)	S10A-S00	0.1	30
721UT / (701E, 701U, 702E, 702U)	S10A-S00	0.1	30
722U / (701E, 701U, 702E, 702U)	S10A-S00	0.1	30
731U / (702E, 702RE, 702RU, 702U)	S11A-S00	0.1	30
732U / (702E, 702RE, 702RU, 702U)	S11A-S00	0.1	30
<b>System Sensor</b>			
1400	A-N/A	0.1	25
2100	A-N/A	0.12	25
2400	A-N/A	0.12	25
1151/B110LP	A-A	0.12	25
1151/B116LP	A-A	0.12	25
1451/B401	A-A	0.12	25
1451/B401B	A-A	0.12	25
1451/B406B	A-A	0.12	25
1451DH/DH400	A-A	0.12	25
2100T	A-N/A	0.12	25
2151/B110LP	A-A	0.12	25
2151/B116LP	A-A	0.12	25
2400TH	A-N/A	0.12	25
2451/B401	A-A	0.12	25
2451/B401B	A-A	0.12	25
2451/B406B	A-A	0.12	25
2451/DH400	A-A	0.12	25
2451TH/B401	A-A	0.12	25
2451TH/B401B	A-A	0.12	25

Smoke Detector Manufacturer Model / Base	Compatibility Identifier Head / Base	Rated Standby Current (mA)	Maximum # of devices per circuit
<b>System Sensor continued</b>			
2451TH/B406B	A-A	0.12	25
2W-B c/w base	A-A	0.1	30
2WT-B c/w base	A-A	0.1	30

### MR-3500, MR-3500RCU and MR-3318 ULI Compatible Horn/Strobes

Brand	Strobe Model	Maximum # of devices per circuit
Mircom	FH-400-RR, FH-400-WW, FHS-400-WW, FHS-400-RR, FHS-400C-RR, FHS-400C-WW, FS-400-RR, FS-400-WW, FS-400C-RR, FS-400C-WW	7
Mircom	FHS-240-110	7
Secutron	MRA-HS3-24WW	16
SpectrAlert	P2R	22
Wheelock	NS-24 MCW-FW	17

System Sensor L Series Models	Description
P2RL	HORN STROBE 2W RED WALL
P2WL	HORN STROBE 2W WHITE WALL
P2GRL	HORN STROBE 2W RED WALL, COMPACT
P2GWL	HORN STROBE 2W WHITE WALL, COMPACT
P2RL-P	HORN STROBE 2W RED WALL, PLAIN
P2WL-P	HORN STROBE 2W WHITE WALL, PLAIN
P2RL-SP	HORN STROBE 2W RED WALL, FUEGO
P2WL-SP	HORN STROBE 2W WHITE WALL, FUEGO
PC2RL	HORN STROBE 2W RED CEILING
PC2WL	HORN STROBE 2W WHITE CEILING

<b>System Sensor L Series Models</b>	<b>Description</b>
SRL	STROBE RED WALL
SWL	STROBE WHITE WALL
SGRL	STROBE RED WALL, COMPACT
SGWL	STROBE WHITE WALL, COMPACT
SRL-P	STROBE RED WALL, PLAIN
SWL-P	STROBE WHITE WALL, PLAIN
SRL-SP	STROBE RED WALL, FUEGO
SWL-CLR-ALERT	STROBE WHITE WALL, CLEAR LENS
SWL-ALERT	STROBE WHITE WALL, AMBER LENS
SCRL	STROBE RED CEILING
SCWL	STROBE WHITE CEILING
SCWL-CLR-ALERT	STROBE WHITE CEILING CLEAR LENS ALERT
HWL	HORN WHITE WALL
HRL	HORN RED WALL
HGRL	HORN RED WALL, COMPACT
HGWL	HORN WHITE WALL, COMPACT
CHWL	CHIME WHITE WALL
CHRL	CHIME RED WALL
CHSRL	CHIME STROBE RED WALL
CHSWL	CHIME STROBE WHITE WALL
CHSCRL	CHIME STROBE RED CEILING
CHSCWL	CHIME STROBE WHITE CEILING
SPSRL	SPEAKER STROBE RED WALL
SPSWL	SPEAKER STROBE WHITE WALL
SPSRL-P	SPEAKER STROBE RED WALL, PLAIN
SPSWL-P	SPEAKER STROBE WHITE WALL, PLAIN
SPSRL-SP	SPEAKER STROBE RED WALL, FUEGO
SPSWL-ALERT	SPEAKER STROBE WHITE WALL, ALERT

<b>System Sensor L Series Models</b>	<b>Description</b>
SPSWL-CLR-ALERT	SPEAKER STROBE WHITE WALL, CLEAR LENS ALERT
SPSCRL	SPEAKER STROBE RED CEILING
SPSCWL	SPEAKER STROBE WHITE CEILING
SPSCWL-P	SPEAKER STROBE WHITE CEILING, PLAIN
SPSCWL-SP	SPEAKER STROBE WHITE CEILING, FUEGO
SPSCWL-CLR- ALERT	SPEAKER STROBE WHITE CEILING, ALERT

# MR-3500 and MR-3500RCU ULC Listed Compatible Devices


## MR-3500 and MR-3500RCU ULC Listed Compatible Addressable Devices

Model	Description
<b>ULC Advanced Protocol Detectors</b>	
MRI-COS351APA	Advanced Protocol CO and Smoke Detector
MRI-CO351APA	Advanced Protocol CO Detector
MRI-FC351APA	Advanced Protocol CO and Photoelectric Smoke Detector (CO portion of the detector is latching supervisory alarm only).
MRI-2351APA	Advanced Protocol Photoelectric Smoke Detector
MRI-2351RAPA	Advanced Protocol Photoelectric Smoke Detector with remote test
MRI-2351TAPA	Advanced Protocol Photoelectric Smoke Detector with Thermal Sensor
MRI-2351TIRAPA	Multi-criteria with complementary heat and IR
MRI-5351APA	Advanced Protocol Heat Detector
MRI-5351HAPA	Advanced Protocol High Heat Detector
MRI-5351RAPA	Advanced Protocol Rate of Rise Heat Detector
MRI-5352RAPA	Advanced Protocol Heat Detector Rate of Rise
MRI-5352HAPA	Advanced Protocol Heat Detector
MRI-COSAPA	Advanced Protocol CO and Photoelectric Smoke Detector
MRI-1251APA	Advanced Protocol Ion Smoke Detector
MRI-2251APA	Advanced Protocol Photo Smoke Detector ULC
MRI-2251TAPA	Advanced Protocol Photo Heat Detector ULC
MRI-2251TMAPA	Advanced Protocol Acclimate Detector ULC
MRI-2251RAPA	Advanced Protocol Photo Smoke Detector
MRI-5251APA	Advanced Protocol Heat Detector ULC
MRI-5251HAPA	Advanced Protocol High Temperature Heat Detector ULC
MRI-5251RAPA	Advanced Protocol Rate of Rise Heat Detector ULC
<b>ULC Advanced Protocol Intelligent Modules</b>	
MRI-M500MAPA	Advanced Protocol Monitor Module ULC
MRI-M500DMAPA	Advanced Protocol Dual Input Monitor Module
MRI-M500RAPA	Advanced Protocol Relay Control Module ULC
MRI-M500SAPA	Advanced Protocol Supervised Control Module ULC
MRI-M501MAPA	Advanced Protocol Mini Monitor Module ULC
MRI-M502APA	Advanced Protocol Zone Module
MRI-M502MAPA	Advanced Protocol Conventional Zone Module ULC
MRI-M501DMAPA	Dual Mini Module component

<b>Model</b>	<b>Description</b>
<b>System Sensor ULC Intelligent Modules and Detectors</b>	
M500SA	Supervised Control Module
M500DMR1A	Monitor Module with 2 Monitor Inputs and 2 Relay Outputs
APB-200COA	Intelligent Sounder base
APB-200CO-LF	Intelligent Low Frequency Sounder Base
BEAM200A	Intelligent Addressable Beam Detector
BEAM200SA	Intelligent Addressable Beam Detector (with Sens Test)
B200SRA	200 Series Intelligent Base with Sounder
<b>ULC Advanced Protocol Manual Stations</b>	
MRM-401AP	Addressable Single Stage Manual Station ULC
MRM-402AP	Addressable Two Stage Manual Station ULC
MRM-407AP	Addressable Single Stage Manual Station with additional N.C. switch
MRM-702AP	Addressable Two Stage Single Action Station ULC
MRM-710AP	Addressable Single Stage Dual Action Station ULC
<b>ULC Ancillary Modules</b>	
APCR-6	Advanced Protocol Six Relay Control Module
CR-6A	Six Relay Control Module
CZ-6A	Six Conventional Zone Interface Module ULC
APIM-10A	Advanced Protocol Ten Input Monitor Module
IM-10A	Ten Input Monitor Module ULC
ISO-6A	Advanced Protocol Six Isolator Module
M500XA	Fault Isolator Module ULC
SC-6A	Six Supervised Control Module ULC
<b>ULC Bases</b>	
B210LPA	Intelligent Flanged Mounting Base ULC
B224BIA	Intelligent Isolator Base ULC
B224RBA	Intelligent Relay Base ULC
B501A	Intelligent Flange-less Mounting Base ULC
B501BHA	Intelligent Sounder Base ULC
B501BHTA	Intelligent Temporal Tone Sounder Base ULC
DNRA	Intelligent Non-relay Photoelectric Low-flow Duct Smoke Detector Housing ULC
DNRWA	Watertight Intelligent Non-relay Photoelectric Low-flow Duct Smoke Detector Housing
<b>ULC Intelligent Detectors</b>	
MRI-1251BA	Intelligent Low Profile Ionization Smoke Sensor ULC

<b>Model</b>	<b>Description</b>
MRI-2251BA/BRA	Intelligent Low Profile Photoelectronic Smoke Sensor ULC
MRI-2251TBA	Intelligent Low Profile Photoelectronic Smoke Sensor c/w 135°F Fixed Temp. Thermal Sensor ULC
MRI-2251TMBA	Intelligent Low Profile Multi-Criteria Sensor ULC
MRI-5251BA	Intelligent Low Profile Fixed Temp. Thermal Sensor 135°F ULC
MRI-5251HA	Intelligent Low Profile High Temperature Thermal Sensor 190°F ULC
MRI-5251RBA	Intelligent Low Profile Fixed Temp. and Rate of Rise Thermal Sensor 135°F ULC
7251A	Intelligent Low Profile Laser Smoke Detector ULC
<b>ULC Intelligent Modules</b>	
MRI-500DMA	Intelligent Dual Monitor Module ULC
MRI-M500MA	Intelligent Addressable Monitor Module ULC
MRI-M500RA	Intelligent Addressable Relay Module ULC
MRI-M500SA	Intelligent Addressable Supervised Control Module ULC
MRI-M501MA	Intelligent Addressable Mini-Monitor Module ULC
MRI-M502MA	Intelligent Addressable Interface Module ULC
<b>ULC Addressable Manual Stations</b>	
MRM-401AD	Addressable Single Stage Manual Station
MRM-402AD	Addressable Two Stage Manual Station
MRM-702AD	Addressable Two Stage Single Action Station
MRM-710AD	Addressable Single Stage Dual Action Station

## MR-3500 and MR-3500RCU ULC Listed Two-Wire Smoke Detectors

Make Model / Base	Maximum # of devices per circuit	Make Model / Base	Maximum # of devices per circuit
<b>MGC Systems Corp.</b>		<b>Hochiki</b>	
SD-100-2WT/SDB-104-2 *	21	DCD-135/HSC-220R	12
SD-100-2WT/SDB-104-4 *	21	DCD-135/NS6-220	12
SD-100-2WT/SDB-106-4 *	21	DCD-190/HSC-220R	12
<b>Apollo</b>		DCD-190/NS4-220	12
<b>Series 60A Bases 45681-200,-220,-232,-251</b>		DCD-190/NS6-220	12
<b>Series 60A Bases 45681-200,-220,-232,-251</b>		SIJ-24/HSC-220R	12
55000-325	21	SIJ-24/NS4-220	12
55000-326	21	SIJ-24/NS6-220	12
55000-327	21	SLR-24/HSC-220R	12
55000-328	21	SLR-24/NS4-220	12
<b>System Sensor i3</b>		SLR-24/NS6-220	12
C2W-BA c/w base	30		
C2WT-BA c/w base	30		
<b>System Sensor</b>			
1400A	20		
2400A	20		
1451/B401B	25		
2451/B401B	25	<b>Notes:</b> For MR-3500 and MR-3500RCU Panels: <ol style="list-style-type: none"> <li>1. Detectors of different models are not to be mixed in a circuit.</li> <li>2. When using two-wire smoke detectors a zone module is required.</li> <li>3. * For this detector, must use MRI-M502M/ AP or CZ-6A, no accessory and no alarm verification available</li> </ol>	
1451A/B401BA	20		
2451A/B401BA	20		
2451THA/B401BA	20		
2400THA	20		
1151A/B110LPA or B401A	20		
2151A/B110LPA or B401A	20		



## MR-3500 and MR-3500RCU ULC Listed Compatible Horn/Strobe

Device	Mircom Models
Horn/Strobes	FH-400-RR, FH-400-WW, FHS-400-WW, FHS-400-RR, FHS-400C-RR, FHS-400C-WW, FS-400-RR, FS-400-WW, FS-400C-RR, FS-400C-WW

Device	Mircom Equivalent Part #	Amseco Part #
Horns/Strobes	FHS-240R/FHS-240W	SH24W-153075
Strobes	FS-240R/FS-240W	SL24W-153075

System Sensor L Series Models	Description
P2WLA-P	Horn Strobe 2W White Wall, Plain
P2WLA-F	Horn Strobe 2W White Wall - French "FEU"
P2WLA-E	Horn Strobe 2W White Wall - English "FIRE"
P2WLA	Horn Strobe 2W White Wall - Bilingual "FIRE/FEU"
P2RLA-P	Horn Strobe 2W Red Wall, Plain
P2RLA-F	Horn Strobe 2W Red Wall - French "FEU"
P2RLA-E	Horn Strobe 2W Red Wall - English "FIRE"
P2RLA	Horn Strobe 2W Red Wall - Bilingual "FIRE/FEU"
P2GWLA-F	Horn Strobe 2W White Wall, Compact - French "FEU"
P2GWLA-E	Horn Strobe 2W White Wall, Compact - English "FIRE"
P2GWLA	Horn Strobe 2W White Wall, Compact - Bilingual "FIRE/FEU"
P2GRLA-F	Horn Strobe 2W Red Wall, Compact - French "FEU"
P2GRLA	Horn Strobe 2W Red Wall, Compact - Bilingual "FIRE/FEU"
P2GRLA-E	Horn Strobe 2W Red Wall, Compact - English "FIRE"
HGRLA	Horn Red Wall, Compact
HGWLA	Horn White Wall, Compact
HRLA	Horn Red Wall
HWLA	Horn White Wall
CHRLA	Chime Red Wall
CHSCRLA	Chime Strobe Red Ceiling - Bilingual "FIRE/FEU"
CHSCRLA-E	Chime Strobe Red Ceiling - English "FIRE"
CHSCRLA-F	Chime Strobe Red Ceiling - French "FEU"
CHSCWLA	Chime Strobe White Ceiling - Bilingual "FIRE/FEU"

<b>System Sensor L Series Models</b>	<b>Description</b>
CHSCWLA-E	Chime Strobe White Ceiling - English "FIRE"
CHSCWLA-F	Chime Strobe White Ceiling - French "FEU"
CHSRLA	Chime Strobe Red Wall - Bilingual "FIRE/FEU"
CHSRLA-E	Chime Strobe Red Wall - English "FIRE"
CHSRLA-F	Chime Strobe Red Wall - French "FEU"
CHSWLA	Chime Strobe White Wall - Bilingual "FIRE/FEU"
CHSWLA-E	Chime Strobe White Wall - English "FIRE"
CHSWLA-F	Chime Strobe White Wall - French "FEU"
CHWLA	Chime White Wall

# MR-2100/2200 UL Compatible Addressable Devices

## MR-2100/2200 Secutron UL Compatible Addressable Devices

Model	Description	Typical Current Draw $\mu$ A
MRI-1251	Ionization type smoke detector	300
MRI-1251B	Ionization type smoke detector	300
MRI-2251RAP (CLIP Mode)	Advanced Protocol Photo Smoke Detector	300
MRI-2251	Photoelectric type smoke detector	300
MRI-2251B/BR	Photoelectric type smoke detector/plus Thermal	360
MRI-2251T	Photoelectric type smoke detector w/ thermal element	300
MRI-2251TB	Photoelectric type smoke detector w/ thermal element	360
MRI-2251TM	Acclimate Photo-Thermal Detector	300
MRI-2251TMB	Acclimate Photo-Thermal Detector	360
MRI-5251P	Thermal detector	200
MRI-5251B	Thermal detector	300
MRI-5251RP	Thermal detector w/ rate of rise	200
MRI-5251RB	Thermal detector w/ rate of rise	300
MRI-5251H	High Temperature Thermal detector	300
IM-10	10 Input Monitor Module	3.50 mA
CR-6	6 Relay Control Module	1.45 mA
SC-6	6 Supervised Control Module	2.25 mA
CZ-6	6 Zone Conventional Interface Module	2.00 mA
M500DMR1	Multiple Module with 2 Monitor Inputs and 2 Relay Outputs	300
MRI-M500DM	Dual Input Monitor Module	300
MRI-M500DMAP (CLIP Mode)	Advanced Protocol Dual Input Monitor Module	300
MRI-M500M	Monitor module, Classes A/B initiating	300
MRI-501M	Mini Monitor module, Class B initiating	300
MRI-M502M	Monitor Module for 2- wire smoke detectors Classes A/B initiating	200
MRI-M500R	Relay Module	300
MRI-M500S	Control module	300

Model	Description	Typical Current Draw $\mu\text{A}$
MRI-M500X	Fault isolator module	450
MRM-401APU (CLIP Mode)	Advanced Protocol Addressable Single Stage Manual Station	600
MRM-402APU (CLIP Mode)	Advanced Protocol Addressable Two Stage Manual Station	600
MRM-702APU (CLIP Mode)	Advanced Protocol Addressable Two Stage Single Action Station	600
MRM-710APU (CLIP Mode)	Advanced Protocol Addressable Single Stage Dual Action Station	600
MRM-401ADU	Addressable Single Stage Manual Station	600
MRM-402ADU	Addressable Two Stage Manual Station	600
MRM-702ADU	Addressable Two Stage Single Action Station	600
MRM-710ADU	Addressable Single Stage Dual Action Station	600

#### MR-2100/2200 System Sensor UL Compatible Addressable Devices

Model	Description	Typical Current Draw $\mu\text{A}$
1251	Ionization type smoke detector	300
1251B	Ionization type smoke detector	300
2251	Photoelectric type smoke detector	300
2251B	Photoelectric type smoke detector	360
2251T	Photoelectric type smoke detector w/ thermal element	300
2251TB	Photoelectric type smoke detector w/ thermal element	360
2251TM	Acclimate Photo-Thermal Detector	300
2251TMB	Acclimate Photo-Thermal Detector	360
5251P	Thermal detector	200
5251B	Thermal detector	300
5251RP	Thermal detector w/ rate of rise	200
5251RB	Thermal detector w/ rate of rise	300
5251H	High Temperature Thermal detector	300
M500DM	Dual Input Monitor Module	300
M500DMR1	Multiple Module with 2 Monitor Inputs and 2 Relay Outputs	1300

M500M	Monitor module, Classes A/B initiating	300
M501M	Mini Monitor module, Class B initiating	300
M502M	Monitor Module for 2- wire smoke detectors Classes A/B initiating	200
ISO-6	Advanced Protocol Six Isolator Module	2.7mA
APIM-10(CLIP Mode)	Advanced Protocol Ten Input Monitor Addressable Module	3.50mA
IM-10	10 Input Monitor Module	3.50 mA
APCR-6 (CLIP Mode)	Advanced Protocol Six Relay Control Module	1.45mA
CR-6	6 Relay Control Module	1.45 mA
SC-6	6 Supervised Control Module	2.25 mA
CZ-6	6 Zone Conventional Interface Module	2.00 mA
M500S	Control module	300
M500R	Relay Module	300
M500X	Fault isolator module	450
B200SR-LF	Low Frequency Intelligent Sounder Base	1000
BEAM200	Intelligent Addressable Beam Detector	2.00 mA
BEAM200S	Intelligent Addressable Beam Detector (with Sens Test)	2.00 mA
B200SR	200 Series Intelligent Base with Sounder	N/A

**MR-2100/2200 UL Listed Compatible Synchronized Notification Appliances**

<b>Manufacturer</b>	<b>Appliance Module</b>	<b>Candela</b>	<b># of Appliances</b>
<b>Mircom</b>	FHS-210-110	75	18
<b>Secutron</b>	MRA-24 WW	15	24
<b>System Sensor</b>	P12224MC	15	30
<b>Wheelock</b>	NS-24 MCW-FW	15	38
<b>Amseco</b>	SH24W-75110	75	18
<b>Gentex</b>	GEC3-24WW	15	24

## MR-2100/2200 ULC Compatible Addressable Devices

### MR-2100/2200 Secutron ULC Compatible Addressable Devices

Model	Description	Typical Current Draw $\mu$ A
MRI-1251A	Ionization type smoke detector	300
MRI-1251BA	Ionization type smoke detector	300
MRI-2251RAPA (CLIP Mode)	Advanced Protocol Photo Smoke Detector	300
MRI-2251A	Photoelectric type smoke detector	300
MRI-2251BA/BRA	Photoelectric type smoke detector/plus Thermal	360
MRI-2251TA	Photoelectric type smoke detector w/ thermal element	300
2MRI-2251TBA	Photoelectric type smoke detector w/ thermal element	360
MRI-2251TMA	Acclimate Photo-Thermal Detector	300
MRI-2251TMBA	Acclimate Photo-Thermal Detector	360
MRI-5251PA	Thermal detector	200
MRI-5251BA	Thermal detector	300
MRI-5251RPA	Thermal detector w/ rate of rise	200
MRI-5251RBA	Thermal detector w/ rate of rise	300
MRI-5251HA	High Temperature Thermal detector	300
IM-10A	10 Input Monitor Module	3.50 mA
CR-6A	6 Relay Control Module	1.45 mA
SC-6A	6 Supervised Control Module	2.25 mA
CZ-6A	6 Zone Conventional Interface Module	2.00 mA
M500DMR1A	Multiple Module with 2 Monitor Inputs and 2 Relay Outputs	300
MRI-M500DMA	Dual Input Monitor Module	300
MRI-M500DMAPA (CLIP Mode)	Advanced Protocol Dual Input Monitor Module	300
MRI-M500MA	Monitor module, Classes A/B initiating	300
MRI-M501MA	Mini Monitor module, Class B initiating	300
MRI-M502MA	Monitor Module for 2- wire smoke detectors Classes A/B initiating	200
MRI-M500RA	Relay Module	300
MRI-M500SA	Control module	300

Model	Description	Typical Current Draw $\mu\text{A}$
MRI-M500XA	Fault isolator module	450
MRM-401AP (CLIP Mode)	Advanced Protocol Addressable Single Stage Manual Station	600
MRM-402AP (CLIP Mode)	Advanced Protocol Addressable Two Stage Manual Station	600
MRM-702AP (CLIP Mode)	Advanced Protocol Addressable Two Stage Single Action Station	600
MRM-710AP (CLIP Mode)	Advanced Protocol Addressable Single Stage Dual Action Station	600
MRM-401AD	Addressable Single Stage Manual Station	600
MRM-402AD	Addressable Two Stage Manual Station	600
MRM-702AD	Addressable Two Stage Single Action Station	600
MRM-710AD	Addressable Single Stage Dual Action Station	600

#### MR-2100/2200 System Sensor ULC Compatible Addressable Devices

Model	Description	Typical Current Draw $\mu\text{A}$
1251A	Ionization type smoke detector	300
1251BA	Ionization type smoke detector	300
2251A	Photoelectric type smoke detector	300
2251BA	Photoelectric type smoke detector	360
2251TA	Photoelectric type smoke detector w/ thermal element	300
2251TBA	Photoelectric type smoke detector w/ thermal element	360
2251TMA	Acclimate Photo-Thermal Detector	300
2251TMBA	Acclimate Photo-Thermal Detector	360
5251PA	Thermal detector	200
5251BA	Thermal detector	300
5251RPA	Thermal detector w/ rate of rise	200
5251RBA	Thermal detector w/ rate of rise	300
5251HA	High Temperature Thermal detector	300
M500DMA	Dual Input Monitor Module	300
M500DMR1A	Multiple Module with 2 Monitor Inputs and 2 Relay Outputs	1300

M500MA	Monitor module, Classes A/B initiating	300
M501MA	Mini Monitor module, Class B initiating	300
M502MA	Monitor Module for 2- wire smoke detectors Classes A/B initiating	200
ISO-6A	Advanced Protocol Six Isolator Module	2.7mA
APIM-10A (CLIP Mode)	Advanced Protocol Ten Input Monitor Addressable Module	3.50mA
IM-10A	10 Input Monitor Module	3.50 mA
APCR-6A (CLIP Mode)	Advanced Protocol Six Relay Control Module	1.45mA
CR-6A	6 Relay Control Module	1.45 mA
SC-6A	6 Supervised Control Module	2.25 mA
CZ-6A	6 Zone Conventional Interface Module	2.00 mA
M500SA	Control module	300
M500RA	Relay Module	300
M500XA	Fault isolator module	450
B200SR-LFA	Low Frequency Intelligent Sounder Base	1000
BEAM200A	Intelligent Addressable Beam Detector	2.00 mA
BEAM200SA	Intelligent Addressable Beam Detector (with Sens Test)	2.00 mA
B200SRA	200 Series Intelligent Base with Sounder	N/A



## MR-2900 UL Listed Compatible Addressable Devices

Manufacturer & Model	Description
<b>Secutron</b>	
MRI-1251AP	Advanced Protocol Ionization Smoke Sensor
MRI-2251AP	Advanced Protocol Photoelectric Smoke Sensor
MRI-2251TAP	Advanced Protocol Thermal Sensor
MRI-2251TMAP	Advanced Protocol Photoelectric/Thermal Sensor
MRI-2251RAP (CLIP Mode)	Advanced Protocol Photo Smoke Detector
MRI-1251/B	Low-Profile Analog Ionization Smoke Sensor
MRI-2251/B/TB/BR	Low-Profile Analog Photoelectronic Smoke Sensor/plus Thermal
MRI-2251TM/TMB	Low-Profile Acclimate™ Intelligent Photoelectric Thermal Sensor
MRI-5251AP/HAP/RAP	Advanced Protocol Thermal Sensor/Rate of Rise
MRI-5251P/RP/B/RB/H	Low-Profile Analog Thermal Sensor/Rate of Rise
MRI-M500DMAP (CLIP Mode)	Advanced Protocol Dual Input Monitor Module
MRI-M500MAP	Advanced Protocol Monitor
MRI-M500M	Monitor Module (Universal)
MRI-M500CH	Addressable Control Module
MRI-M501MAP	Advanced Protocol Mini-Monitor Module
MRI-M501M	Addressable Mini-Monitor Module
MRI-M502MAP	Advanced Protocol Universal Monitor Module
MRI-M502M	Universal Monitor Module
MRI-M500RAP	Advanced Protocol Relay Control Module
MRI-M500R	Addressable Relay Output Module
MRI-M500SAP	Advanced Protocol Supervised Control Module
MRI-M500S	Addressable Supervised Output Module
MRI-M500DM	Addressable Dual Input Monitor Module
MRI-M500FP	Intelligent Firephone Module
MRI-DH200PL	Intelligent Smoke Detector
MRI-DH200RPL	Intelligent Smoke Detector (with relay)
MRI-210LP	200 Series Low Profile Intelligent Base
MRI-B501BH	200 Series Low Profile Intelligent Base with Horn

Manufacturer & Model	Description
<b>Secutron continued</b>	
MRI-B501BHT	200 Series Low Profile Intelligent Base with Horn (Temporal Code)
MRM-401APU (CLIP Mode)	Advanced Protocol Addressable Single Stage Single Action Station
MRM-402APU (CLIP Mode)	Advanced Protocol Addressable Two Stage Single Action Manual Station
MRM-702APU (CLIP Mode)	Advanced Protocol Addressable Two Stage Single Action Manual Station
MRM-710APU (CLIP Mode)	Advanced Protocol Addressable Dual Action Manual Station
MRM-401ADU	Addressable Single Stage Single Action Station
MRM-402ADU	Addressable Two Stage Single Action Manual Station
MRM-701ADU	Addressable Single Action Manual Station
MRM-702ADU	Addressable Two Stage Single Action Manual Station
MRM-710ADU	Addressable Single Stage Dual Action Manual Station
<b>System Sensor</b>	
7251	Pinnacle™ Intelligent Laser Smoke Sensor
2251-COPTIR	Multi-criteria Fire Detector
M500M-4-20	4-20mA Analog Input Module
M500DMR1	Multiple Module with 2 Monitor Inputs and 2 Relay Outputs
FTX-P1	Filtrex™ Intelligent Photoelectric Smoke Sensor
ISO-6	Advanced Protocol Six Isolator Module
M500X	Fault Isolator Module
APIM-10 (CLIP Mode)	Advanced Protocol Ten Input Monitor Addressable Module
IM-10	Ten Input Monitor Addressable Module
APCR-6 (CLIP Mode)	Advanced Protocol Six Relay Control Module
CR-6	Six Relay Control Module
SC-6	Six Supervised Control Module
B224BI	200 Series Intelligent Base with Isolator
B224RB	200 Series Intelligent Base with Relay
B200SR	200 Series Intelligent Base with Sounder
B200SR-LF	Low Frequency Intelligent Sounder Base
B501/B	Analog Base
B210LP	200 Series Low Profile Intelligent Base
B501B-FTX	Filtrex Base
B501BH	200 Series Low Profile Intelligent Base with Horn

<b>Manufacturer &amp; Model</b>	<b>Description</b>
<b>System Sensor continued</b>	
B501BHT	200 Series Low Profile Intelligent Base with Horn (Temporal Code)
CZ-6	Six Addressable Universal Zone Module
BEAM200	Intelligent Addressable Beam Detector
BEAM200S	Intelligent Addressable Beam Detector (with Sens Test)
DNR	Innovair Flex Duct Detector Housing for MRI-2251BR Heads
DNRW	Watertight Innovair Flex Duct Detector Housing for MRI-2251B and MRI-2251BR Heads

### Smoke Detectors A

The following Listed 2-wire smoke detectors and bases are compatible with the MR-2900 Control Panel using the MR-2918 and MR-2928 Conventional Input Circuit Modules (with compatibility identifiers MR-2918 and MR-2928, respectively). Up to 5  $\mu\text{A}$  of smoke detector normal standby load may be connected to each MR-2918 and MR-2928 conventional initiating device circuit.

<b>Manufacturer</b>	<b>Smoke Detector Model</b>	<b>Base Identifier</b>	<b>Model</b>	<b>Standby Identifier</b>	<b>Current</b>
System Sensor	1400	A	N/A	N/A	100 $\mu\text{A}$
	1451	A	B401	A	120 $\mu\text{A}$
	1451	A	B401B	A	120 $\mu\text{A}$
	2300T	A	N/A	N/A	120 $\mu\text{A}$
	2300TB	A	N/A	N/A	120 $\mu\text{A}$
	2400	A	N/A	N/A	120 $\mu\text{A}$
	2400TH	A	N/A	N/A	120 $\mu\text{A}$
	2451	A	B401	A	120 $\mu\text{A}$
	2451	A	B401B	A	120 $\mu\text{A}$
	2451	A	DH400	A	120 $\mu\text{A}$
	2451TH	A	B401	A	120 $\mu\text{A}$
	2451TH	A	B401B	A	120 $\mu\text{A}$
Apollo	55000-250	55000-250	45681-200	45681-200	59 $\mu\text{A}$
	55000-250	55000-250	45681-230	45681-230	80 $\mu\text{A}$
	55000-250	55000-250	45681-231	45681-231	80 $\mu\text{A}$
	55000-350	55000-350	45681-200	45681-200	110 $\mu\text{A}$
	55000-350	55000-350	45681-230	45681-230	130 $\mu\text{A}$
	55000-350	55000-350	45681-231	45681-231	130 $\mu\text{A}$
Cerbrus	DI-3C				
Pyrotronics	DI-4				
	DI-4B				
	PEC-3				
Detection Systems	DS200	A	MB200-2W	A	80 $\mu\text{A}$
	DS200HD	A	MB200-2W	A	80 $\mu\text{A}$

Manufacturer	Smoke Detector Model	Base Identifier	Model	Standby Identifier	Current	
Edwards	6250B	001	6251B	001	30 $\mu$ A	
	6270B	001	6251B	001	50 $\mu$ A	
Fenwal	CPD-7023	I3FE1	CPD-001	FE01A	80 $\mu$ A	
	CPD-7023	I3FE1	CPD-002	FE02A	80 $\mu$ A	
	CPD-7023	I3FE1	CPD-003	FE03A	80 $\mu$ A	
	CPD-7023	I3FE1	CPD-005	FE05A	80 $\mu$ A	
	CPD-7051	I3FE1	2-Wire	FE51A	60 $\mu$ A	
	CPD-7051	I3FE1	2WRLT	FE52A	60 $\mu$ A	
	CPD-7051	I3FE1	2WRB	FE53A	60 $\mu$ A	
	CPD-7051	I3FE1	CPD-001*	FE01A	60 $\mu$ A	
	CPD-7051	I3FE1	CPD-002*	FE02A	60 $\mu$ A	
	CPD-7051	I3FE1	CPD-003*	FE03A	60 $\mu$ A	
	CPD-7051	I3FE1	CPD-005*	FE05A	60 $\mu$ A	
	PSD-7134	P14FE1	CPD-001	FE01A	120 $\mu$ A	
	PSD-7134	P14FE1	CPD-002	FE02A	120 $\mu$ A	
	PSD-7134	P14FE1	CPD-003	FE03A	120 $\mu$ A	
	PSD-7134	P14FE1	CPD-005	FE05A	120 $\mu$ A	
	PSD-7135	P15FE1	CPD-001	FE01A	120 $\mu$ A	
	PSD-7135	P15FE1	CPD-002	FE02A	120 $\mu$ A	
	PSD-7135	P15FE1	CPD-003	FE03A	120 $\mu$ A	
	PSD-7135	P15FE1	CPD-005	FE05A	120 $\mu$ A	
	PSD-7155	P55FE1	2-Wire	FE51A	70 $\mu$ A	
	PSD-7155	P55FE1	2WRLT	FE52A	70 $\mu$ A	
	PSD-7155	P55FE1	2WRB	FE53A	70 $\mu$ A	
	PSD-7155	P55FE1	CPD-001*	FE01A	70 $\mu$ A	
	PSD-7155	P55FE1	CPD-002*	FE02A	70 $\mu$ A	
	PSD-7155	P55FE1	CPD-003*	FE03A	70 $\mu$ A	
	PSD-7155	P55FE1	CPD-005*	FE05A	70 $\mu$ A	
	PSD-7156	P56FE1	2-Wire	FE51A	70 $\mu$ A	
PSD-7156	P56FE1	2WRLT	FE52A	70 $\mu$ A		
PSD-7156	P56FE1	2WRB	FE53A	70 $\mu$ A		
PSD-7156	P56FE1	CPD-001*	FE01A	70 $\mu$ A		
PSD-7156	P56FE1	CPD-002*	FE02A	70 $\mu$ A		
PSD-7156	P56FE1	CPD-003*	FE03A	70 $\mu$ A		
PSD-7156	P56FE1	CPD-005*	FE05A	70 $\mu$ A		

\* - Requires Fenwal MA-001 adapter with compatibility identifier MAFE.

<b>Manufacturer</b>	<b>Smoke Detector Model</b>	<b>Base Identifier</b>	<b>Model</b>	<b>Standby Identifier</b>	<b>Current</b>
Gentex	224	-1	N/A	N/A	
	224-25	-1	N/A	N/A	
Hochiki	SIF-24F	HD-2	HS-221D	HB-4	102 $\mu$ A
	SIF-24F	HD-2	YBA-M221	HB-4	102 $\mu$ A
	SIH-24F	HD-3	HS-221D	HB-4	130 $\mu$ A
	SIH-24F	HD-3	YBA-M221	HB-4	130 $\mu$ A
	SLK-24F	HD-3	HS-221D	HB-4	142 $\mu$ A
	SLK-24F	HD-3	YBA-M221	HB-4	142 $\mu$ A
	SLK-24FH	HD-3	HS-221D	HB-4	142 $\mu$ A
	SLK-24FH	HD-3	YBA-M221	HB-4	142 $\mu$ A

## MR-2900 Smoke Detectors B

The following Listed 2-wire smoke detectors and bases are compatible with the MR-2900 Control Panel using the MR-2938 Conventional Input Circuit Module with compatibility identifier as MR-2938.

Up to 2.50 mA of smoke detector normal standby load may be connected to each MR-2938 conventional initiating device circuit.

Manufacturer	Smoke Detector Model	Base Identifier	Model	Standby Identifier	Current	
System Sensor	1400	A	N/A	N/A	100 $\mu$ A	
	1451	A	B401	A	120 $\mu$ A	
	1451	A	B401B	A	120 $\mu$ A	
	2400	A	N/A	N/A	120 $\mu$ A	
	2400TH	A	N/A	N/A	120 $\mu$ A	
	2451	A	B401	A	120 $\mu$ A	
	2451	A	B401B	A	120 $\mu$ A	
	2451	A	DH400	A	120 $\mu$ A	
	2451TH	A	B401	A	120 $\mu$ A	
	1451	A	B401BH	A	120 $\mu$ A	
	2451	A	B401BH	A	120 $\mu$ A	
	2451TH	A	B401BH	A	120 $\mu$ A	
	4451TH	A	B401	A	120 $\mu$ A	
	4451TH	A	B401B	A	120 $\mu$ A	
	1151	A	B401BH	A	120 $\mu$ A	
	1151	A	B116LP	A	120 $\mu$ A	
	2151	A	B401	A	120 $\mu$ A	
	2151	A	B401BH	A	120 $\mu$ A	
	2151	A	B110LP	A	120 $\mu$ A	
	2151	A	B116LP	A	120 $\mu$ A	
	5451	A	B401	A	120 $\mu$ A	
	5451	A	B401BH	A	120 $\mu$ A	
	2100AT	A	N/A	N/A	100 $\mu$ A	
	2100TR	A	N/A	N/A	100 $\mu$ A	
	2W-B	A	N/A	N/A	100 $\mu$ A	
	2WT-B	A	N/A	N/A	100 $\mu$ A	

## MR-2900 Notification Appliances

The following notification appliances, where a current rating is shown, may be used with the MR-2900 Control Units.

Model	Type	Input Current at 24 VDC (in mA)	
		Audible	Visual
<b>Wheelock</b>			
MT-12/24-R	Multi tone Horn	48 (Hi), 26 (Lo)	-
MT-24-WH-VN-W	Multi tone Horn w/ Strobe, ADA	48 (Hi), 26 (Lo)	78
MT-24-WM-VF-R	Multi tone Horn w/ Strobe, ADA	48 (Hi), 26 (Lo)	96
EH-DL1-R	Electronic Horn	17	-
EH-EL1-R	Electronic Horn	17	-
EHS-DL1-W-VF-R	Electronic Strobe Horn, Single Input	35 (combined)	
EHS-EL1-W-VF-R	Electronic Strobe Horn, Single Input	35 (combined)	
EH-DL1-WS-24-VF-R	Electronic Strobe Horn, Dual Input	17	25
EH-EL1-WS-24-VF-R	Electronic Strobe Horn, Dual Input	17	25
EH-DL1-WH-24-VF-R	Electronic Strobe Horn, Dual Input	17	75
EH-EL1-WH-24-VF-R	Electronic Strobe Horn, Dual Input	17	75
EH-DL1-WM-24-VF-R	Electronic Strobe Horn, Dual Input	17	88
EH-EL1-WM-24-VF-R	Electronic Strobe Horn, Dual Input	17	88
AES-DL1-R	Multi tone Horn	50 (Hi), 25 (Lo)	-
AES-EL1-R	Multi tone Horn	50 (Hi), 25 (Lo)	-
AES-DL1-WS-24-VF-R	Multi tone Horn w/ Strobe	50 (Hi), 25 (Lo)	25
AES-EL1-WS-24-VF-R	Multi tone Horn w/ Strobe	50 (Hi), 25 (Lo)	25
AES-DL1-WH-24-VF-R	Multi tone Horn w/ Strobe	50 (Hi), 25 (Lo)	75
AES-EL1-WH-24-VF-R	Multi tone Horn w/ Strobe	50 (Hi), 25 (Lo)	75
AES-DL1-WM-24-VF-R	Multi tone Horn w/ Strobe	50 (Hi), 25 (Lo)	88
AES-EL1-WM-24-VF-R	Multi tone Horn w/ Strobe	50 (Hi), 25 (Lo)	88
WST-24-FR	Strobe	-	25

Model	Type	Input Current at 24 VDC (in mA)	
		Audible	Visual
WS1T-24-FR	Strobe	-	25
WS3T-24-FR	Strobe	-	25
WHT-24-FR	Strobe	-	75
WH1T-24-FR	Strobe	-	75
WH3T-24-FR	Strobe	-	75
WMT-24-FR	Strobe	-	88
WM1T-24-FR	Strobe	-	88
WM3T-24-FR	Strobe	-	88
VLPM-24-W-VF-R	Strobe	-	88
34T-24-R	Horn	63	-
7001T-24-W-FR	Strobe Horn	63 (combined)	
7002T-24-W-FR	Strobe Horn	63 (combined)	
V7001T-24-W-FR	Strobe Horn	63 (combined)	
MIZ-24-R	Mini-Horn	15	-
MIZ-24-W	Mini-Horn	15	-
MIZ-24-WS-VF-R	Mini-Horn w/ Strobe	40 (combined)	
MIZ-24-WS-VF-W	Mini-Horn w/ Strobe	40 (combined)	
MIZ-24-WH-VF-R	Mini-Horn w/ Strobe	90 (combined)	
MIZ-24-WM-VF-W	Mini-Horn w/ Strobe	103 (combined)	
CH-BF1-R	Chime	20	-
CH-BF1-WS-24-HF-R	Strobe Chime	20	25
CH-CF1-W	Chime	20	-
CH-CF1-WS-24-CF-W	Strobe Chime	20	25
CH-DF1-R	Chime	20	-
CH-DF1-WS-24-VF-R	Strobe Chime	20	25
CH-DF1-WM-24-VF-R	Strobe Chime	20	88
MB-G6-24-R	Motorized Bell, 6 in.	30	-



Model	Type	Input Current at 24 VDC (in mA)	
		Audible	Visual
MB-G10-24-R	Motorized Bell, 10 in.	30	-
MBS-G6-24-W-HF-R	Motorized Strobe Bell, 6 in.	55 (combined)	
MBS-G10-24-W-HF-R	Motorized Strobe Bell, 10 in.	55 (combined)	
46T-G4-24-R	Vibrating Bell, 4 in.	63	-
46T-G6-24-R	Vibrating Bell, 6 in.	63	-
46T-G10-24-R	Vibrating Bell, 10 in.	63	-
46T-G6-24-WS-24-HF-R	Strobe Bell, 6 in.	63	25
46T-G10-24-WS-24-HF-R	Strobe Bell, 10 in.	63	25
46T-G6-24-WH-24-HF-R	Strobe Bell, 6 in.	63	75
46T-G10-24-WH-24-HF-R	Strobe Bell, 10 in.	63	75
E-7025-WS-24-VF-R	Strobe Speaker	-	25
E-7025-WS-24-VF-W	Strobe Speaker	-	25
E-7070-WS-24-VF-R	Strobe Speaker	-	25
E-7070-WS-24-VF-W	Strobe Speaker	-	25
E-9025-WS-24-CF-W	Strobe Speaker	-	25
E-9070-WS-24-CF-W	Strobe Speaker	-	25
E-7025-WH-24-VF-R	Strobe Speaker	-	75
E-7025-WH-24-VF-W	Strobe Speaker	-	75
E-7070-WH-24-VF-R	Strobe Speaker	-	75
E-7070-WH-24-VF-W	Strobe Speaker	-	75
E-9025-WH-24-CF-W	Strobe Speaker	-	75
E-9070-WH-24-CF-W	Strobe Speaker	-	75
E-7025-WM-24-VF-R	Strobe Speaker	-	88
E-7025-WM-24-VF-W	Strobe Speaker	-	88
E-7070-WM-24-VF-R	Strobe Speaker	-	88
E-7070-WM-24-VF-W	Strobe Speaker	-	88

Model	Type	Input Current at 24 VDC (in mA)	
		Audible	Visual
ET-1010-WS-24-HF-R	Strobe Speaker	-	25
ET-1070-WS-24-VF-R	Strobe Speaker	-	25
ET-1080-WS-24-VF-R	Strobe Speaker	-	25
ET-1090-WS-24-CF-W	Strobe Speaker	-	25
ET-1070-WM-24-VF-R	Strobe Speaker	-	88
ET-1070-WM-24-VF-W	Strobe Speaker	-	88
ET-1080-WM-24-VF-R	Strobe Speaker	-	88
ET-1080-WM-24-VF-W	Strobe Speaker	-	88
CSX10-24DC-R	Explosion-Proof Bell, Indoor	500	-
CSXG10-24DC-R	Explosion-Proof Bell, Outdoor	500	-
AH-24	Mini Horn, indoor	41	-
AH-24WP	Mini Horn, indoor/outdoor	41	-
AS-2415W	Audible Strobe	92 (combined)	
AS-241575W	Audible Strobe	107 (combined)	
AS-2430W	Audible Strobe	126 (combined)	
AS-2475W	Audible Strobe	186 (combined)	
AS-24110W	Audible Strobe	213 (combined)	
AS-2415C	Audible Strobe	98 (combined)	
AS-2430C	Audible Strobe	133 (combined)	
AS-2475C	Audible Strobe	252 (combined)	
AS-24100C	Audible Strobe	283 (combined)	
NH-12/24	Horn	28	-
NS-2415W	Strobe Horn	76 (combined)	
NS-241575W	Strobe Horn	90 (combined)	
NS-2430W	Strobe Horn	102 (combined)	
NS-2475W	Strobe Horn	163 (combined)	

Model	Type	Input Current at 24 VDC (in mA)	
		Audible	Visual
NS-24110W	Strobe Horn	195 (combined)	
NS4-2415W	Strobe Horn	28	57
NS4-241575W	Strobe Horn	28	72
NS4-2430W	Strobe Horn	28	85
NS4-2475W	Strobe Horn	28	140
NS4-24110W	Strobe Horn	28	169
MT-24-LS	Multitone Strobe Signal, non sync	128 (combined)	
MT-24-LSM	Multitone Strobe Signal, non sync	163 (combined)	
MT-24-MS	Multitone Strobe Signal, non sync	183 (combined)	
MT-24-IS	Multitone Strobe Signal, non sync	273 (combined)	
MT-24-SL	Multitone Strobe Signal, sync	144 (combined)	
MT-24-SLM	Multitone Strobe Signal, sync	186 (combined)	
MT4-24-LS	Multitone Strobe Signal, non sync	48	80
MT4-24-LSM	Multitone Strobe Signal, non sync	48	115
MT4 -24- MS	Multitone Strobe Signal, non sync	48	135
MT4-24-IS	Multitone Strobe Signal, non sync	48	225
MT4-24-SL	Multitone Strobe Signal, sync	48	96
MT4-24-SLM	Multitone Strobe Signal, sync	48	138
AMT-12/24	Mini Horn	48	-
AMT4-I2/24	Mini Horn	48	-
AMT-24-LS	Multitone Strobe Signal, non sync	48	80
AMT-24-LSM	Multitone Strobe Signal, non sync	48	115
AMT-24-MS	Multitone Strobe Signal, non sync	48	135
AMT-24-IS	Multitone Strobe Signal, non sync	48	225
AMT-24-SL	Multitone Strobe Signal, sync	48	96
AMT-24-SLM	Multitone Strobe Signal, sync	48	138
AMT4-24-LS	Multitone Strobe Signal, non sync	48	80

Model	Type	Input Current at 24 VDC (in mA)	
		Audible	Visual
AMT4-24-LSM	Multitone Strobe Signal, non sync	48	115
AMT4-24-MS	Multitone Strobe Signal, non sync	48	135
AMT4-24-IS	Multitone Strobe Signal, non sync	48	225
AMT4-24-SL	Multitone Strobe Signal, sync	48	96
AMT4-24-SLM	Multitone Strobe Signal, sync	48	138
CH70-24	Chime	20	-
CH90-24	Chime	20	-
CH70-2415W	Strobe Chime	20	53
CH70-241575W	Strobe Chime	20	68
CH70-2430W	Strobe Chime	20	85
CH70-2475W	Strobe Chime	20	140
CH70-24110W	Strobe Chime	20	169
CH90-2415W	Strobe Chime	20	53
CH90-241575W	Strobe Chime	20	68
CH90-2430W	Strobe Chime	20	85
CH90-2475W	Strobe Chime	20	140
CH90-24110W	Strobe Chime	20	169
CH70-2415C	Strobe Chime	20	70
CH70-2430C	Strobe Chime	20	107
CH70-2475C	Strobe Chime	20	215
CH70-24100C	Strobe Chime	20	250
CH90-2415C	Strobe Chime	20	70
CH90-2430C	Strobe Chime	20	107
CH90-2475C	Strobe Chime	20	215
CH90-24100C	Strobe Chime	20	250
RSS-2415W	Strobe	-	53
RSS-241575W	Strobe	-	68
RSS-2430W	Strobe	-	85
RSS-2475W	Strobe	-	140

Model	Type	Input Current at 24 VDC (in mA)	
		Audible	Visual
RSS-24110W	Strobe	-	169
RSSP-24110W	Strobe, retrofit plate	-	53
RSSP-241575W	Strobe, retrofit plate	-	68
RSSP-2430W	Strobe, retrofit plate	-	85
RSSP-2475W	Strobe, retrofit plate	-	140
RSSP-24110W	Strobe, retrofit plate	-	169
RSS-2415C	Strobe	-	70
RSS-2430C	Strobe	-	107
RSS-2475C	Strobe	-	215
RSS-24100C	Strobe	-	250
RSSP-2415C	Strobe, retrofit plate	-	70
RSSP-2430C	Strobe, retrofit plate	-	107
RSSP-2475C	Strobe, retrofit plate	-	215
RSSP-24100C	Strobe, retrofit plate	-	250
ET70-2415W	Strobe Speaker	-	53
ET70-241575W	Strobe Speaker	-	68
ET70-2430W	Strobe Speaker	-	85
ET70 -2475W	Strobe Speaker	-	140
ET70-24110W	Strobe Speaker	-	169
ET90-2415W	Strobe Speaker	-	53
ET90-241575W	Strobe Speaker	-	68
ET90-24 30W	Strobe Speaker	-	85
ET90-2475W	Strobe Speaker	-	140
ET90-24110W	Strobe Speaker	-	169
ET90-2415C	Strobe Speaker	-	70
ET90-2430C	Strobe Speaker	-	107
ET90-2475C	Strobe Speaker	-	215
ET90-24100C	Strobe Speaker	-	250

Model	Type	Input Current at 24 VDC (in mA)	
		Audible	Visual
ET-1080- LS -24	Strobe Speaker, non sync	-	80
ET-1080-LSM-24	Strobe Speaker, non sync	-	115
ET-1080- MS -24	Strobe Speaker, non sync	-	135
ET-1080-IS-24	Strobe Speaker, non sync	-	225
ET-1080-SL-24	Strobe Speaker, sync	-	96
ET-1080-SLM-24	Strobe Speaker, sync	-	138
ET-1081- LS-24	Strobe Speaker, non sync	-	80
ET-1081- LSM -24	Strobe Speaker, non sync	-	115
ET-1081- MS -24	Strobe Speaker, non sync	-	135
ET-1081- IS -24	Strobe Speaker, non sync	-	225
ET-1081-SL-24	Strobe Speaker, sync	-	96
ET-1081-SLM-24	Strobe Speaker, sync	-	138
E70-2415W	Strobe Speaker	-	53
E70-241575W	Strobe Speaker	-	68
E70-2430W	Strobe Speaker	-	85
E70-2475W	Strobe Speaker	-	140
E70-24110W	Strobe Speaker	-	169
E70 -2415C	Strobe Speaker	-	70
E70 -2430C	Strobe Speaker	-	107
E70-2475C	Strobe Speaker	-	215
E70 -24100C	Strobe Speaker	-	250
E90 -2415W	Strobe Speaker	-	53
E90 -241575W	Strobe Speaker	-	68
E90 -2430W	Strobe Speaker	-	85
E90 -2475W	Strobe Speaker	-	140
E90-24110W	Strobe Speaker	-	169
E90 -2415C	Strobe Speaker	-	70
E90 -2430C	Strobe Speaker	-	107
E90 -2475C	Strobe speaker	-	215
E90 -24100C	Strobe Speaker	-	250

Model	Type	Input Current at 24 VDC (in mA)	
		Audible	Visual
SM -12/24	Sync Module	25 (combined)	
DSM -12/24	Dual Sync Module	38 (combined)	
<b>Gentex</b>			
GEH24	Commander2 Horn	21	-
GES24-15	Commander2 Strobe 15 cd	-	46
GES24-15/75	Commander2 Strobe 15/75cd	-	57
GES24-30	Commander2 Strobe 30 cd	-	57
GES24-60	Commander2 Strobe 60 cd	-	82
GES24-75	Commander2 Strobe 75 cd	-	89
GES24-110	Commander2 Strobe 110 cd	-	102
GEC24-15	Commander2 Horn/Strobe 15 cd	67 (combined)	
GEC24-15/75	Commander2 Horn/Strobe 15/75 cd	78 (combined)	
GEC24-30	Commander2 Horn/Strobe 30 cd	78 (combined)	
GEC24-60	Commander2 Horn/Strobe 60 cd	103 (combined)	
GEC24-75	Commander2 Horn/Strobe 75 cd	110 (combined)	
GEC24-110	Commander2 Horn/Strobe 110 cd	123 (combined)	
GMH24	Mechanical Horn	38	-
GMS24-15	Mechanical Horn/Strobe 15 cd	116 (combined)	
GMS24-15/75W	Mechanical Horn/Strobe 15/75 cd	131 (combined)	
GMS24-15/75C	Mechanical Horn/Strobe 15/75 cd	153 (combined)	
GMS24-15/75Z	Mechanical Horn/Strobe 15/75 cd	168 (combined)	
GMS24-30	Mechanical Horn/Strobe 30 cd	131 (combined)	
GMS24-30/75	Mechanical Horn/Strobe 30/75 cd	180 (combined)	
GMS24-60	Mechanical Horn/Strobe 60 Cd	153 (combined)	
GMS24-110	Mechanical Horn/Strobe 110 Cd	258 (combined)	
WGMS-4-75	Mechanical Horn/Strobe 75cd Weather	143 (combined)	

Model	Type	Input Current at 24 VDC (in mA)	
		Audible	Visual
GX90-4	Piezo Horn 24 Vdc	15	-
GX90S-4-15	Piezo Horn/Strobe 15 cd	93 (combined)	
GX90S-4-15/75W	Piezo Horn/Strobe 15/75 cd Wall	108 (combined)	
GX90S-4-15/75C	Piezo Horn/Strobe 15/75 cd Ceiling	130 (combined)	
GX90S-4-15/75Z	Piezo Horn/Strobe 15/75 cd Sync	145 (combined)	
GX90S-4-30	Piezo Horn/Strobe 30 cd	108 (combined)	
GX90S-4-30/75	Piezo Horn/Strobe 30/75 cd	157 (combined)	
GX90S-4-60	Piezo Horn/Strobe 60 cd	130 (combined)	
GX90S-4-110	Piezo Horn/Strobe 110 cd	235 (combined)	
GXS-4-15	Strobe 15 Cd	-	78
GXS-4-15/75-W	Strobe 15/75 Cd Wall	-	93
GXS-4-15/75-C	Strobe 15/75 Cd Ceiling	-	115
GXS-4-15/75-Z	Strobe 15/75 Cd Sync	-	130
GXS-4-30	Strobe 30 Cd	-	93
GXS-4-30/75	Strobe 30/75 Cd	-	142
GXS-4-60	Strobe 60 Cd	-	115
GXS-4-110	Strobe 110 Cd	-	220
HG124	Electronic Horn 12 or 24 Vdc	30	-
SHG24-15	Electronic Horn/Strobe 15 cd	108 (combined)	
SHG24-15/75-W	Electronic Horn/Strobe 15/75 cd	123 (combined)	
SHG24-15/75-C	Electronic Horn/Strobe 15/75 cd	145 (combined)	
SHG24-15/75-Z	Electronic Horn/Strobe 15/75 cd	160 (combined)	
SHG24-30	Electronic Horn/Strobe 30 cd	123 (combined)	
SHG24-30/75	Electronic Horn/Strobe 30/75 cd	172 (combined)	
SHG24-60	Electronic Horn/Strobe 60 cd	145 (combined)	
SHG24-110	Electronic Horn/Strobe 110 cd	250 (combined)	
SPKE4-15	Speaker/Strobe 4@ 15 cd	-	78



Model	Type	Input Current at 24 VDC (in mA)	
		Audible	Visual
SPKE8-15	Speaker/Strobe 8@ 15 cd	-	78
SPKE4-15/75-W	Speaker/Strobe 4@ 15/75 cd Wall	-	93
SPKE8-15/75-W	Speaker/Strobe 8@ 15/75 cd Wall	-	93
SPKE4-15/75-C	Speaker/Strobe 4@ 15/75 cd Ceiling	-	115
SPKE8-15/75-C	Speaker/Strobe 8@ 15/75 cd Ceiling	-	115
SPKE4-15/75-Z	Speaker/Strobe 4@ 15/75 cd Sync	-	130
SPKE8-15/75-Z	Speaker/Strobe 8@ 15/75 cd Sync	-	130
SPKE4-30	Speaker/Strobe 4@ 30 cd	-	93
SPKE8-30	Speaker/Strobe 8@ 30 cd	-	93
SPKE4-30/75	Speaker/Strobe 4@ 30/75 cd	-	142
SPKE8-30/75	Speaker/Strobe 8@ 30/75 cd	-	142
SPKE4-60	Speaker/Strobe 4@ 60 cd	-	115
SPKE8-60	Speaker/Strobe 8@ 60 cd	-	115
SPKE4-110	Speaker/Strobe 4@ 110 cd	-	220
SPKE8-110	Speaker/Strobe 8@ 110 cd	-	220
ST24-15	Commander Strobe 15 cd	-	45
ST24-15/75	Commander Strobe 15/75 cd	-	57
ST24-30	Commander Strobe 30 cd	-	57
ST24-60	Commander Strobe 60 cd	-	84
ST24-75	Commander Strobe 75 cd	-	86
ST24-110	Commander Strobe 110 cd	-	110
HS24-15	Commander Horn/Strobe 15 cd	75 (combined)	
HS24-15/75	Commander Horn/Strobe 15/75 cd	87 (combined)	
HS24-30	Commander Horn/Strobe 30 cd	87 (combined)	
HS24-60	Commander Horn/Strobe 60 cd	114 (combined)	
HS24-75	Commander Horn/Strobe 75 cd	116 (combined)	
HS24-110	Commander Horn/Strobe 110 cd	140 (combined)	
<b>Potter</b>			
PBD-246	Vibrating Bell	60	-

Model	Type	Input Current at 24 VDC (in mA)	
		Audible	Visual
PBD-248	Vibrating Bell	60	-
PBD-2410	Vibrating Bell	60	-
<b>Space Age</b>			
SSU7620	Strobe	-	80
SSU7625	Strobe	-	130
SSU7630	Strobe	-	160
SSU7521	Horn/Strobe	93 (combined)	
SSU7522	Speaker/Strobe	-	80
SSU7526	Horn/Strobe	143 (combined)	
SSU7527	Speaker/Strobe	-	130
SSU7531	Horn/Strobe	173 (combined)	
SSU7532	Speaker/Strobe	-	160
<b>System Sensor</b>			
P2415 (R) (W)	Horn/Strobe	39	60
P241575 (R) (W)	Horn/Strobe	39	64
P2475 (R) (W)	Horn/Strobe	39	159
P24110 (R) (W)	Horn/Strobe	39	191
P241575K	Horn/Strobe	39	64
P2475K	Horn/Strobe	39	159
P24110K	Horn/Strobe	39	191
P241575F	Horn/Strobe	39	64
S2415 (R) (W)	Strobe	-	60
S241575 (R) (W)	Strobe	-	64
S2475 (R) (W)	Strobe	-	159
S24110 (R) (W)	Strobe	-	191
S241575K	Strobe	-	64
S2475K	Strobe	-	159
S24110K	Strobe	-	191
S241575F	Strobe	-	64
H12/24	Horn	39	-

Model	Type	Input Current at 24 VDC (in mA)	
		Audible	Visual
H12/24K (R) (W)	Horn	39	-
HC12/24	Horn	39	-
HC12/24K	Horn	39	-
MDL	Sync Module	15 (combined)	
SSM24-6	Bell	30	-
SSM24-8	Bell	30	-
SSM24-10	Bell	30	-
MA12/24D	Electronic Sounder	59	-
SS24LO	Strobe	-	45
SS24LOC	Strobe	-	45
SS24M	Strobe	-	125
SS24MC	Strobe	-	125
SS24LOLA	Strobe	-	80
MASS24LO	Electronic Sounder/Strobe	59	45
MASS24LOC	Electronic Sounder/Strobe	59	45
MASS24LOLA	Electronic Sounder/Strobe	59	80
MASS24M	Electronic Sounder/Strobe	59	125
MASS24MC	Electronic Sounder/Strobe	59	125
PA400R (R) (W) (B)	Sounder	12	-
PA400RF (R) (W)	Sounder	12	-
PS24LO (R) (W) (B)	add on Strobe	-	25
SS2415ADA (R) (B)	Strobe	-	90
SS241575ADA (R) (B)	Strobe	-	120
SS2475ADA (R) (B)	Strobe	-	200
SS24110ADA (R) (B)	Strobe	-	245
MASS2415ADA (R) (B)	Horn/Strobe	59	90
MASS241575ADA (R) (B)	Horn/Strobe	59	120

Model	Type	Input Current at 24 VDC (in mA)	
		Audible	Visual
MASS2475ADA (R) (B)	Horn/Strobe	59	200
MASS24110ADA (R) (B)	Horn/Strobe	59	245
SS2415ADAS	Strobe	-	125
SS241575ADAS	Strobe	-	180
MASS2415ADAS	Horn/Strobe	59	125
MASS241575ADAS	Horn/Strobe	59	180
RP2415ADA	Strobe	-	90
RP241575ADA	Strobe	-	120
RP2475ADA	Strobe	-	200
RP24110ADA	Strobe	-	245

### MR-2900 Auxiliary Power Devices

The following Listed devices are compatible with the output of the 24 VDC auxiliary power circuits of the MR-2900. Each circuit may be loaded to a maximum of 150 mA in standby or alarm conditions.

Manufacturer	Model	Type	Input Current at 24 VDC
Air Products	PAM-4	Relay Module	

## MR-2900 ULC Listed Compatible Addressable Devices

Manufacturer & Model	Description
<b>Secutron</b>	
MRI-1251APA	Advanced Protocol Ionization Smoke Sensor
MRI-2251APA	Advanced Protocol Photoelectric Smoke Sensor
MRI-2251TAPA	Advanced Protocol Thermal Sensor
MRI-2251TMAPA	Advanced Protocol Photoelectric/Thermal Sensor
MRI-2251RAPA (CLIP Mode)	Advanced Protocol Photo Smoke Detector
MRI-1251A/BA	Low-Profile Analog Ionization Smoke Sensor
MRI-2251A/BA/TBA/BRA	Low-Profile Analog Photoelectronic Smoke Sensor/plus Thermal
MRI-2251TMA/TMBA	Low-Profile Acclimate™ Intelligent Photoelectric Thermal Sensor
MRI-5251APA/HAPA/RAPA	Advanced Protocol Thermal Sensor/Rate of Rise
MRI-5251PA/RPA/BA/RBA/ HA	Low-Profile Analog Thermal Sensor/Rate of Rise
MRI-M500DMAPA (CLIP Mode)	Advanced Protocol Dual Input Monitor Module
MRI-M500MAPA	Advanced Protocol Monitor
MRI-M500MA	Monitor Module (Universal)
MRI-M500CHA	Addressable Control Module
MRI-M501MAPA	Advanced Protocol Mini-Monitor Module
MRI-M501MA	Addressable Mini-Monitor Module
MRI-M502MAPA	Advanced Protocol Universal Monitor Module
MRI-M502MA	Universal Monitor Module
MRI-M500RAPA	Advanced Protocol Relay Control Module
MRI-M500RA	Addressable Relay Output Module
MRI-M500SAPA	Advanced Protocol Supervised Control Module
MRI-M500SA	Addressable Supervised Output Module
MRI-M500DMA	Addressable Dual Input Monitor Module
MRI-M500FPA	Intelligent Firephone Module
MRI-DH200PLA	Intelligent Smoke Detector
MRI-DH200RPLA	Intelligent Smoke Detector (with relay)
MRI-210LPA	200 Series Low Profile Intelligent Base

Manufacturer & Model	Description
<b>Secutron continued</b>	
MRI-B501BHA	200 Series Low Profile Intelligent Base with Horn
MRI-B501BHTA	200 Series Low Profile Intelligent Base with Horn (Temporal Code)
MRM-401AP (CLIP Mode)	Advanced Protocol Addressable Single Stage Single Action Station
MRM-402AP (CLIP Mode)	Advanced Protocol Addressable Two Stage Single Action Manual Station
MRM-702AP (CLIP Mode)	Advanced Protocol Addressable Two Stage Single Action Manual Station
MRM-710AP (CLIP Mode)	Advanced Protocol Addressable Dual Action Manual Station
MRM-401AD	Addressable Single Stage Single Action Station
MRM-402AD	Addressable Two Stage Single Action Manual Station
MRM-701AD	Addressable Single Action Manual Station
MRM-702AD	Addressable Two Stage Single Action Manual Station
MRM-710AD	Addressable Single Stage Dual Action Manual Station
<b>System Sensor</b>	
7251A	Pinnacle™ Intelligent Laser Smoke Sensor
2251-COPTIRA	Multi-criteria Fire Detector
M500M-4-20A	4-20mA Analog Input Module
M500DMR1A	Multiple Module with 2 Monitor Inputs and 2 Relay Outputs
FTX-P1A	Filtrex™ Intelligent Photoelectric Smoke Sensor
ISO-6A	Advanced Protocol Six Isolator Module
M500XA	Fault Isolator Module
APIM-10A (CLIP Mode)	Advanced Protocol Ten Input Monitor Addressable Module
IM-10A	Ten Input Monitor Addressable Module
APCR-6A (CLIP Mode)	Advanced Protocol Six Relay Control Module
CR-6A	Six Relay Control Module
SC-6A	Six Supervised Control Module
B224BIA	200 Series Intelligent Base with Isolator
B224RBA	200 Series Intelligent Base with Relay
B200SRA	200 Series Intelligent Base with Sounder
B200SR-LFA	Low Frequency Intelligent Sounder Base
B501A/BA	Analog Base
B210LPA	200 Series Low Profile Intelligent Base
B501B-FTXA	Filtrex Base

Manufacturer & Model	Description
<b>System Sensor continued</b>	
B501BHA	200 Series Low Profile Intelligent Base with Horn
B501BHTA	200 Series Low Profile Intelligent Base with Horn (Temporal Code)
CZ-6A	Six Addressable Universal Zone Module
BEAM200A	Intelligent Addressable Beam Detector
BEAM200SA	Intelligent Addressable Beam Detector (with Sens Test)
DNRA	Innovair Flex Duct Detector Housing for MRI-2251BR Heads
DNRW	Watertight Innovair Flex Duct Detector Housing for MRI-2251B and MRI-2251BR Heads

## **MR-2900 ULC Listed Compatible Smoke Detectors**

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The following conventional smoke detectors are ULC listed for compatibility with the MR-2900 Control Panel using Conventional Circuit Input Modules:

<b>Company</b>	<b>Model</b>
System Sensor	1400
	1451
	2400
	2400TH
	2451
	2451TH
Hochiki	Photoelectric
	Ionization
Cerberus Pyrotronics	DI-3C
	DI-4
	DI-4B
	PEC-3
Edwards	6249
	6250C
	6270C
	73494 (Mirtone)





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[www.secutron.com](http://www.secutron.com)

**CANADA - Main Office**  
25 Interchange Way  
Vaughan, ON L4K 5W3  
Tel: (905) 660-4655  
(888) 660-4655  
Fax: (905) 660-4113

**U.S.A**  
4575 Witmer Industrial Estates  
Niagara Falls, NY 14305  
Tel: (905) 660-4655  
(888) 660-4655  
Fax: (905) 660-4113