

Mircom Addressable Fire Alarm Panels



All MGC MIX-4000 Series Detectors are not FM Approved

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FX-2000 and FleX-Net™ Series UL Listed Compatible Devices

FX-2000 and FleX-Net™ (FX-6000MNS-CH, FX-2003-12N, FX-2003-12NDS, FX-2009-12N, FX-2009-12NDS, FX-2017-12N, FX-2017-12NDS, FX-2000ND, FX-2000NDS, FX-2000MNS) Series UL Listed Compatible Addressable Loop Modules

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	Description
Mircom	
MIX-FC351AP	Advanced Protocol CO and Photoelectric Smoke Detector (CO portion of the detector is latching supervisory alarm only). The MIX-FC351AP works with FleX-Net™ only.
MIX-COSAP	Advanced Protocol CO and Photoelectric Smoke Detector (CO portion of the detector is latching supervisory alarm only). The MIX-COSAP works with FleX-Net™ only.
MIX-2351AP	Advanced Protocol Photoelectric Smoke Detector
MIX-2351TAP	Advanced Protocol Photoelectric Smoke Detector with Thermal Sensor
MIX-5351AP	Advanced Protocol Heat Detector
MIX-5352RAP	Advanced Protocol Heat Detector Rate of Rise
MIX-5352HAP	Advanced Protocol Heat Detector
MIX-1251AP	Advanced Protocol Ionization Smoke Sensor
MIX-2251AP	Advanced Protocol Photoelectric Smoke Sensor
MIX-2251TAP	Advanced Protocol Thermal Sensor
MIX-2251TMAP	Advanced Protocol Photoelectric/Thermal Sensor
MIX-2251RAP	Advanced Protocol Photoelectric Smoke Sensor
MIX-1251/B	Low-Profile Analog Ionization Smoke Sensor
MIX-2251/B/TB/BR	Low-Profile Analog Photoelectronic Smoke Sensor/plus Thermal
MIX-2251TM/TMB	Low-Profile Acclimate™ Intelligent Photoelectric Thermal Sensor
MIX-5251AP/HAP/RAP	Advanced Protocol Thermal Sensor/Rate of Rise
MIX-5251P/RP/B/RB/H	Low-Profile Analog Thermal Sensor/Rate of Rise
MIX-M500MAP	Advanced Protocol Monitor Module
MIX-M500M	Monitor Module (Universal)
MIX-M500CH	Addressable Control Module
MIX-M501MAP	Advanced Protocol Mini-Monitor Module
MIX-M501M	Addressable Mini-Monitor Module
MIX-M502MAP	Advanced Protocol Universal Monitor Module
MIX-M502M	Universal Monitor Module
MIX-M500RAP	Advanced Protocol Relay Control Module

Manufacturer & Model	Description
Mircom continued	
MIX-M500R	Addressable Relay Output Module
MIX-M500SAP	Advanced Protocol Supervised Control Module
MIX-M500S	Addressable Supervised Output Module
MIX-M500DMAP	Advanced Protocol Dual Input Monitor Module
MIX-M500DM	Addressable Dual Input Monitor Module
MIX-M500FP	Intelligent Firephone Module
MIX-DH200PL	Intelligent Smoke Detector
MIX-DH200RPL	Intelligent Smoke Detector (with relay)
MIX-210LP	200 Series Low Profile Intelligent Base
MIX-B501BH	200 Series Low Profile Intelligent Base with Horn
MIX-B501BHT	200 Series Low Profile Intelligent Base with Horn (Temporal Code)
MS-401APU	Advanced Protocol Addressable Single Stage Single Action Station
MS-402APU	Advanced Protocol Addressable Two Stage Single Action Manual Station
MS-702APU	Advanced Protocol Addressable Two Stage Single Action Manual Station
MS-710APU	Advanced Protocol Addressable Single Stage Dual Action Manual Station
MS-401ADU	Addressable Single Stage Single Action Station
MS-402ADU	Addressable Two Stage Single Action Manual Station
MS-702ADU	Addressable Two Stage Single Action Manual Station
MS-710ADU	Addressable Single Stage Dual Action Manual Station
Secutron	
MRI-FC351AP	Advanced Protocol CO and Photoelectric Smoke Detector (CO portion of the detector is latching supervisory alarm only). The MIX-FC351AP works with FleX-Net™ only.
MRI-COSAP	Advanced Protocol CO and Photoelectric Smoke Detector
MRI-2351AP	Advanced Protocol Photoelectric Smoke Detector
MRI-2351TAP	Advanced Protocol Photoelectric Smoke Detector with Thermal Sensor
MRI-5351AP	Advanced Protocol Heat Detector
MRI-5352RAP	Advanced Protocol Heat Detector Rate of Rise
MRI-5352HAP	Advanced Protocol Heat Detector
MRI-1251AP	Advanced Protocol Ionization Smoke Sensor
MRI-2251AP	Advanced Protocol Photoelectric Smoke Sensor

Manufacturer & Model	Description
Secutron continued	
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-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-M500MAP	Advanced Protocol Monitor
MRI-M500DMAP	Advanced Protocol Dual Input Monitor Module
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-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
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	Addressable Single Stage Dual Action Manual Station
MRM-401ADU	Addressable Single Stage Single Action Station
MRM-402ADU	Addressable Two Stage Single Action Manual Station
MRM-702ADU	Addressable Two Stage Single Action Manual Station
MRM-710ADU	Addressable Dual Action Manual Station

Manufacturer & Model	Description
System Sensor	
7251	Pinnacle™ Intelligent Laser Smoke Sensor
2251-COPTIR	Multi-criteria Fire Detector (do not set to Level 1 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
APCR-6	Advanced Protocol Six Relay Control Module
IM-10	Ten Input Monitor Addressable Module
CR-6	Six Relay Control Module
SC-6	Six Supervised Control Module
APB200-LF	Sounder Base used with MIX-COSAP detector
APB200	Sounder Base used with MIX-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 MIX-2251B and MIX-2251BR Heads
DNRW	Watertight Innovair Flex Duct Detector Housing for MIX-2251B and MIX-2251BR Heads
OSI-RI-AP	Advanced Protocol Beam Detector

FX-2000 and FleX-Net™ (FX-6000MNS-CH, FX-2003-12N, FX-2003-12NDS, FX-2009-12N, FX-2009-12NDS, FX-2017-12N, FX-2017-12NDS, FX-2000ND, FX-2000NDS, FX-2000MNS) Series UL Listed Compatible Two-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.
- The below listed smoke detectors are compatible with initiating circuits having Compatibility Identifier "A".

Smoke Detector Manufacturer Model / Base	Compatibility Identifier Head / Base	Rated Standby Current	Maximum # of devices per circuit
Mircom			
MIR-525U	FDT-1	0.10 mA	30
MIR-525TU	FDT-1	0.10 mA	30
MIR-752L/MIR-B6	WHC60/WB02	0.14mA	21
MIR-752L/MIR-B44	WHC60/WB04	0.14mA	21
MIR-752HL/MIR-B6	WHC60/WB02	0.14mA	21
MIR-752HL/MIR-B44	WHC60/WB04	0.14mA	21
MGC Systems Corp.			
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-100-2WP/SDB-106-4	WHC60/WB02	0.14mA	21
SD-100-2WP/SDB-104-4	WHC60/WB04	0.14mA	21
Apollo			
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
Detection Systems Inc.			
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
Hochiki			
DCD-135/NS6-220	HD-3/HB-72	0.035mA	30
DCD-135/NS4-220	HD-3/HB-3	0.035mA	30

Smoke Detector Manufacturer Model / Base	Compatibility Identifier Head / Base	Rated Standby Current	Maximum # of devices per circuit
Hochiki continued			
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
NAPCO			
FW-2	HD-6	55µA @ 24VDC	30
Sentrol - ESL			
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
722U / 702E, 702U	S10A - S00	0.10 mA	30

Smoke Detector Manufacturer Model / Base	Compatibility Identifier Head / Base	Rated Standby Current	Maximum # of devices per circuit
Sentrol - ESL continued			
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
System Sensor			
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
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

FX-2000 and FleX-Net™ (FX-6000MNS-CH, FX-2003-12N, FX-2003-12NDS, FX-2009-12N, FX-2009-12NDS, FX-2017-12N, FX-2017-12NDS, FX-2000ND, FX-2000NDS, FX-2000MNS) Series UL Listed Compatible Four-Wire Smoke Detectors

Manufacturer & Model	Maximum # of Devices
Mircom	
MIR-545U	30
MIR-545TU	30
Sentrol-ESL	
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
System Sensor	
1424	25
6424	30
6424A	30
A77-716B	
DH400ACDCI	8
DH400ACDCP	8
DH400ACDCIHT	8

FX-2000 and FleX-Net™ (FX-2003-12N, FX-2003-12NDS, FX-2009-12N, FX-2009-12NDS, FX-2017-12N, FX-2017-12NDS, FX-2000ND, FX-2000NDS, FX-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	
Wheelock	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	

FX-2000 and FleX-Net™ Series ULC Listed Compatible Devices

FX-2000 and FleX-Net™ (FX-6000MNS-CH, FX-2003-12N, FX-2003-12NDS, FX-2009-12N, FX-2009-12NDS, FX-2017-12N, FX-2017-12NDS, FX-2000ND, FX-2000NDS, FX-2000MNS) Series ULC Listed Compatible Addressable Loop Modules

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	Description
Mircom	
MIX-FC351APA	Advanced Protocol CO and Photoelectric Smoke Detector (CO portion of the detector is latching supervisory alarm only). The MIX-FC351AP works with FleX-Net™ only.
MIX-COSAPA	Advanced Protocol CO and Photoelectric Smoke Detector (CO portion of the detector is latching supervisory alarm only). The MIX-COSAPA works with the FleX-Net™ only.
MIX-2351APA	Advanced Protocol Photoelectric Smoke Detector
MIX-2351TAPA	Advanced Protocol Photoelectric Smoke Detector with Thermal Sensor
MIX-5351APA	Advanced Protocol Heat Detector
MIX-5352RAPA	Advanced Protocol Heat Detector Rate of Rise
MIX-5352HAPA	Advanced Protocol Heat Detector
MIX-1251APA	Advanced Protocol Ionization Smoke Sensor
MIX-2251APA	Advanced Protocol Photoelectric Smoke Sensor
MIX-2251TAPA	Advanced Protocol Thermal Sensor
MIX-2251TMAPA	Advanced Protocol Photoelectric/Thermal Sensor
MIX-2251RAPA	Advanced Protocol Photo Smoke Detector
MIX-1551A	Analog Ionization Smoke Sensor
MIX-1251A/BA	Low-Profile Analog Ionization Smoke Sensor
MIX-2251/BA/BRA	Analog Photoelectric Smoke Sensor
MIX-2251A/2251TA/TBA	Low-Profile Analog Photoelectric Smoke Sensor / Plus Thermal
MIX-2251TMA/TMBA	Low-Profile Acclimate™ Intelligent Photoelectric Thermal Sensor
MIX-5251APA/HAPA/RAPA	Advanced Protocol Thermal Detector/Rate of Rise
MIX-5251BA/RBA/HA	Intelligent Thermal Sensor
MIX-M500MAPA	Advanced Protocol Monitor Module
MIX-M500MA	Monitor Module (Universal)
MIX-M500DMAPA	Advanced Protocol Dual Input Monitor Module
MIX-M500DMA	Addressable Dual Input Module
MIX-M500CHA	Addressable Control Module

Manufacturer & Model	Description
Mircom continued	
MIX-M501MAPA	Advanced Protocol Mini Monitor Module
MIX-M501MA	Addressable Mini-Monitor Module
MIX-M502MAPA	Advanced Protocol Universal Module
MIX-M502MA	Universal Monitor Module
MIX-M500RAPA	Advanced Protocol Relay Control Module
MIX-M500RA	Addressable Relay Output Module
MIX-M500SAPA	Advanced Protocol Supervised Control Module
MIX-M500SA	Addressable Supervised Output Module
MIX-M500FPA	Addressable Firephone Module
MIX-DH200PLA	Intelligent Smoke Detector
MIX-DH200RPLA	Intelligent Smoke Detector (with relay)
MIX-B501BHA	200 Series Low Profile Intelligent Base with Horn
MIX-B501BHTA	200 Series Low Profile Intelligent Base with Horn (Temporal Code)
MS-401AP	Advanced Protocol Addressable Single Stage Single Action Manual Station
MS-402AP	Advanced Protocol Addressable Two Stage Single Action Manual Station
MS-401AD/-402AD/-407AD	Addressable Manual Stations
MS-702AP	Advanced Protocol Addressable Two Stage Single Action Manual Station
MS-701AD/MS-702AD	Addressable Manual Stations
MS-710AP	Advanced Protocol Addressable Single Stage Dual Action Manual Station
MS-710AD	Addressable Dual Action Manual Station
Secutron	
MRI-FC351APA	Advanced Protocol CO and Photoelectric Smoke Detector (CO portion of the detector is latching supervisory alarm only). The MIX-FC351AP works with FleX-Net™ only.
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-5351APA	Advanced Protocol Heat Detector
MRI-5352RAPA	Advanced Protocol Heat Detector Rate of Rise
MRI-5352HAPA	Advanced Protocol 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

Manufacturer & Model	Description
Secutron continued	
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	Analog Photoelectronic Smoke Sensor
MRI-2251A/2251TA	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
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-M500FPA	Intelligent Firephone Module
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 Single Stage Manual Station

Manufacturer & Model	Description
Secutron continued	
MRM-401AD	Addressable Single Stage Single Action Manual Station
MRM-402AD	Addressable Two Stage Single Action Manual Station
MRM-702AD	Addressable Two Stage Single Action Manual Station
MRM-710AD	Addressable Dual Action Single Stage Manual Station
System Sensor	
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
FTX-P1A	Filtrex™ Intelligent Photoelectric Smoke Sensor
ISO-6A	Advanced Protocol Six Isolator Module
M500X/A	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
B501BA	Analog Base
APIM-10A (CLIP MODE)	Advanced Protocol Ten Input Monitor 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
CZ-6A	Six Addressable Universal Zone Module
BEAM200A	Intelligent Addressable Beam Detector
BEAM200SA	Intelligent Addressable Beam Detector (with Sens Test)
DNRA	Duct Housing for MIX-2251BA and MIX-2251BRA detectors
DNRWA	Watertight Innovair Flex Duct Detector Housing for MIX-2251BA, MIX-2251BRA Heads
OSI-RI-AP	Advanced Protocol Beam Detector

FX-2000 and FleX-Net™ (FX-6000MNS-CH, FX-2003-12N, FX-2003-12NDS, FX-2009-12N, FX-2009-12NDS, FX-2017-12N, FX-2017-12NDS, FX-2000ND, FX-2000NDS, FX-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.

Manufacturer & Model/Base	Maximum # of Devices/Circuit	Manufacturer & Model/Base	Maximum # of Devices/Circuit
Mircom		Edwards continued	
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	Fenwal	
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
MGC Systems Corp.		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
Apollo		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
Cerberus Pyrotechnics		PSD-7126/70-201000-002	42
D1-2	30	PSD-7125/70-201000-003	42
D1-3/DB-3S	30	PSD-7125/70-201000-005	42
Edwards		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		

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

FX-2000 and FleX-Net™ (FX-6000MNS-CH, FX-2003-12N, FX-2003-12NDS, FX-2009-12N, FX-2009-12NDS, FX-2017-12N, FX-2017-12NDS, FX-2000ND, FX-2000NDS, FX-2000MNS) Series 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.
3. FX-6000MNS-CH is only compatible with sync module SpectrAlert model MDL3, strobe model P2 Series, maximum strobes per NAC is 40.

Manufacturer	Brand	Sync. Module	Strobe Model	Max. Strobe / NAC
Amseco / Potter	Mircom	SDM 240	FHS-340, FHS-240	15
Gentex Corp.	Secutron	AVS44 R, ASVM	MRA-HS3-24ww	20
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*

FleX-Net™ FX-4000 Series UL Listed Compatible Devices

FleX-Net™ FX-4000 (FX-4003-12N, FX-4009-12N, FX-4017-12N, FX-2000ND, FX-4000MNS) Series UL Listed Compatible Addressable Loop Modules

Manufacturer & Model	Description
Mircom	
MIX-FC351AP	Advanced Protocol CO and Photoelectric Smoke Detector
MIX-COSAP	Advanced Protocol CO and Photoelectric Smoke Detector (CO portion of the detector is latching supervisory alarm only). The MIX-COSAP works with FleX-Net™ only.
MIX-2351AP	Advanced Protocol Photoelectric Smoke Detector
MIX-2351TAP	Advanced Protocol Photoelectric Smoke Detector with Thermal Sensor
MIX-5351AP	Advanced Protocol Heat Detector
MIX-5352RAP	Advanced Protocol Heat Detector Rate of Rise
MIX-5352HAP	Advanced Protocol Heat Detector
MIX-1251AP	Advanced Protocol Ionization Smoke Sensor
MIX-2251AP	Advanced Protocol Photoelectric Smoke Sensor
MIX-2251TAP	Advanced Protocol Thermal Sensor
MIX-2251TMAP	Advanced Protocol Photoelectric/Thermal Sensor
MIX-2251RAP	Advanced Protocol Photoelectric Smoke Sensor
MIX-1251/B	Low-Profile Analog Ionization Smoke Sensor
MIX-2251/B/TB/BR	Low-Profile Analog Photoelectronic Smoke Sensor/plus Thermal
MIX-2251TM/TMB	Low-Profile Acclimate™ Intelligent Photoelectric Thermal Sensor
MIX-5251AP/HAP/RAP	Advanced Protocol Thermal Sensor/Rate of Rise
MIX-5251P/RP/B/RB/H	Low-Profile Analog Thermal Sensor/Rate of Rise
MIX-M500MAP	Advanced Protocol Monitor Module
MIX-M500M	Monitor Module (Universal)
MIX-M500CH	Addressable Control Module
MIX-M501MAP	Advanced Protocol Mini-Monitor Module
MIX-M501M	Addressable Mini-Monitor Module
MIX-M502MAP	Advanced Protocol Universal Monitor Module
MIX-M502M	Universal Monitor Module
MIX-M500RAP	Advanced Protocol Relay Control Module
MIX-M500R	Addressable Relay Output Module
MIX-M500SAP	Advanced Protocol Supervised Control Module

Manufacturer & Model	Description
Mircom continued	
MIX-M500S	Addressable Supervised Output Module
MIX-M500DMAP	Advanced Protocol Dual Input Monitor Module
MIX-M500DM	Addressable Dual Input Monitor Module
MIX-M500FP	Intelligent Firephone Module
MIX-DH200PL	Intelligent Smoke Detector
MIX-DH200RPL	Intelligent Smoke Detector (with relay)
MIX-210LP	200 Series Low Profile Intelligent Base
MIX-B501BH	200 Series Low Profile Intelligent Base with Horn
MIX-B501BHT	200 Series Low Profile Intelligent Base with Horn (Temporal Code)
MS-401APU	Advanced Protocol Addressable Single Stage Single Action Station
MS-402APU	Advanced Protocol Addressable Two Stage Single Action Manual Station
MS-702APU	Advanced Protocol Addressable Two Stage Single Action Manual Station
MS-710APU	Advanced Protocol Addressable Single Stage Dual Action Manual Station
MS-401ADU	Addressable Single Stage Single Action Station
MS-402ADU	Addressable Two Stage Single Action Manual Station
MS-702ADU	Addressable Two Stage Single Action Manual Station
MS-710ADU	Addressable Single Stage Dual Action Manual Station
Secutron	
MRI-FC351AP	Advanced Protocol CO and Photoelectric Smoke Detector (CO portion of the detector is latching supervisory alarm only). The MIX-FC351AP works with FleX-Net™ only.
MRI-COSAP	Advanced Protocol CO and Photoelectric Smoke Detector
MRI-2351AP	Advanced Protocol Photoelectric Smoke Detector
MRI-2351TAP	Advanced Protocol Photoelectric Smoke Detector with Thermal Sensor
MRI-5351AP	Advanced Protocol Heat Detector
MRI-5352RAP	Advanced Protocol Heat Detector Rate of Rise
MRI-5352HAP	Advanced Protocol 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

Manufacturer & Model	Description
Secutron continued	
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-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-M500MAP	Advanced Protocol Monitor
MRI-M500DMAP	Advanced Protocol Dual Input Monitor Module
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-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
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	Addressable Single Stage Dual Action Manual Station
MRM-401ADU	Addressable Single Stage Single Action Station
MRM-402ADU	Addressable Two Stage Single Action Manual Station
MRM-702ADU	Addressable Two Stage Single Action Manual Station
MRM-710ADU	Addressable Dual Action Manual Station
7251	Pinnacle™ Intelligent Laser Smoke Sensor
2251-COPTIR	Multi-criteria Fire Detector (do not set to Level 1 Alarm)

Manufacturer & Model	Description
System Sensor	
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
APCR-6	Advanced Protocol Six Relay Control Module
IM-10	Ten Input Monitor Addressable Module
CR-6	Six Relay Control Module
SC-6	Six Supervised Control Module
APB200-LF	Sounder Base used with MIX-COSAP detector
APB200	Sounder Base used with MIX-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 MIX-2251B and MIX-2251BR Heads
DNRW	Watertight Innovair Flex Duct Detector Housing for MIX-2251B and MIX-2251BR Heads

FleX-Net™ FX-4000 (FX-4003-12N, FX-4009-12N, FX-4017-12N, FX-4000MNS) 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".

Smoke Detector Manufacturer Model / Base	Compatibility Identifier Head / Base	Rated Standby Current	Maximum # of devices per circuit
Mircom			
MIR-525U	FDT-1	0.10 mA	30
MIR-525TU	FDT-1	0.10 mA	30
MIR-752L/MIR-B6	WHC60/WB02	0.14mA	21
MIR-752L/MIR-B44	WHC60/WB04	0.14mA	21
MIR-752HL/MIR-B6	WHC60/WB02	0.14mA	21
MIR-752HL/MIR-B44	WHC60/WB04	0.14mA	21
MGC Systems Corp.			
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-100-2WP/SDB-106-4	WHC60/WB02	0.14mA	21
SD-100-2WP/SDB-104-4	WHC60/WB04	0.14mA	21
Apollo			
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
Detection Systems Inc.			
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
Hochiki			
DCD-135/NS6-220	HD-3/HB-72	0.035mA	30
DCD-135/NS4-220	HD-3/HB-3	0.035mA	30

Smoke Detector Manufacturer Model / Base	Compatibility Identifier Head / Base	Rated Standby Current	Maximum # of devices per circuit
Hochiki continued			
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
NAPCO			
FW-2	HD-6	55µA @ 24VDC	30
Sentrol - ESL			
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
722U / 702E, 702U	S10A - S00	0.10 mA	30

Smoke Detector Manufacturer Model / Base	Compatibility Identifier Head / Base	Rated Standby Current	Maximum # of devices per circuit
Sentrol - ESL continued			
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
System Sensor			
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
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

**FleX-Net™ FX-4000 (FX-4003-12N, FX-4009-12N, FX-4017-12N, FX-4000MNS) Series
UL Listed Compatible Four-Wire Smoke Detectors**

Manufacturer & Model	Maximum # of Devices
Mircom	
MIR-545U	30
MIR-545TU	30
Sentrol-ESL	
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
System Sensor	
1424	25
6424	30
6424A	30
A77-716B	
DH400ACDCI	8
DH400ACDCP	8
DH400ACDCIHT	8

FleX-Net™ FX-4000 (FX-4003-12N, FX-4009-12N, FX-4017-12N, FX-4000MNS) 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	
Wheelock	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	

FleX-Net™ FX-4000 Series ULC Listed Compatible Devices

FleX-Net™ FX-4000 (FX-4003-12N, FX-4009-12N, FX-4017-12N, FX-4000MNS) Series ULC Listed Compatible Addressable Loop Modules

Manufacturer & Model	Description
Mircom	
MIX-FC351APA	Advanced Protocol CO and Photoelectric Smoke Detector
MIX-COSAPA	Advanced Protocol CO and Photoelectric Smoke Detector (CO portion of the detector is latching supervisory alarm only). The MIX-COSAPA works with the FleX-Net™ only.
MIX-2351APA	Advanced Protocol Photoelectric Smoke Detector
MIX-2351TAPA	Advanced Protocol Photoelectric Smoke Detector with Thermal Sensor
MIX-5351APA	Advanced Protocol Heat Detector
MIX-5352RAPA	Advanced Protocol Heat Detector Rate of Rise
MIX-5352HAPA	Advanced Protocol Heat Detector
MIX-1251APA	Advanced Protocol Ionization Smoke Sensor
MIX-2251APA	Advanced Protocol Photoelectric Smoke Sensor
MIX-2251TAPA	Advanced Protocol Thermal Sensor
MIX-2251TMAPA	Advanced Protocol Photoelectric/Thermal Sensor
MIX-2251RAPA	Advanced Protocol Photo Smoke Detector
MIX-1551A	Analog Ionization Smoke Sensor
MIX-1251A/BA	Low-Profile Analog Ionization Smoke Sensor
MIX-2251/BA/BRA	Analog Photoelectric Smoke Sensor
MIX-2251A/2251TA/TBA	Low-Profile Analog Photoelectric Smoke Sensor / Plus Thermal
MIX-2251TMA/TMBA	Low-Profile Acclimate™ Intelligent Photoelectric Thermal Sensor
MIX-5251APA/HAPA/RAPA	Advanced Protocol Thermal Detector/Rate of Rise
MIX-5251BA/RBA/HA	Intelligent Thermal Sensor
MIX-M500MAPA	Advanced Protocol Monitor Module
MIX-M500MA	Monitor Module (Universal)
MIX-M500DMAPA	Advanced Protocol Dual Input Monitor Module
MIX-M500DMA	Addressable Dual Input Module
MIX-M500CHA	Addressable Control Module
MIX-M501MAPA	Advanced Protocol Mini Monitor Module
MIX-M501MA	Addressable Mini-Monitor Module

Manufacturer & Model	Description
Mircom continued	
MIX-M502MAPA	Advanced Protocol Universal Module
MIX-M502MA	Universal Monitor Module
MIX-M500RAPA	Advanced Protocol Relay Control Module
MIX-M500RA	Addressable Relay Output Module
MIX-M500SAPA	Advanced Protocol Supervised Control Module
MIX-M500SA	Addressable Supervised Output Module
MIX-M500FPA	Addressable Firephone Module
MIX-DH200PLA	Intelligent Smoke Detector
MIX-DH200RPLA	Intelligent Smoke Detector (with relay)
MIX-B501BHA	200 Series Low Profile Intelligent Base with Horn
MIX-B501BHTA	200 Series Low Profile Intelligent Base with Horn (Temporal Code)
MS-401AP	Advanced Protocol Addressable Single Stage Single Action Manual Station
MS-402AP	Advanced Protocol Addressable Two Stage Single Action Manual Station
MS-401AD/-402AD/-407AD	Addressable Manual Stations
MS-702AP	Advanced Protocol Addressable Two Stage Single Action Manual Station
MS-701AD/MS-702AD	Addressable Manual Stations
MS-710AP	Advanced Protocol Addressable Single Stage Dual Action Manual Station
MS-710AD	Addressable Dual Action Manual Station
Secutron	
MRI-FC351APA	Advanced Protocol CO and Photoelectric Smoke Detector (CO portion of the detector is latching supervisory alarm only). The MIX-FC351AP works with FleX-Net™ only.
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-5351APA	Advanced Protocol Heat Detector
MRI-5352RAPA	Advanced Protocol Heat Detector Rate of Rise
MRI-5352HAPA	Advanced Protocol 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

Manufacturer & Model	Description
Secutron continued	
MRI-1251A/BA	Low-Profile Analog Ionization Smoke Sensor
MRI-2551/BA	Analog Photoelectronic Smoke Sensor
MRI-2251A/2251TA	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
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-M500FPA	Intelligent Firephone Module
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 Single Stage Manual Station
MRM-401AD	Addressable Single Stage Single Action Manual Station
MRM-402AD	Addressable Two Stage Single Action Manual Station
MRM-702AD	Addressable Two Stage Single Action Manual Station
MRM-710AD	Addressable Dual Action Single Stage Manual Station

Manufacturer & Model	Description
System Sensor	
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
FTX-P1A	Filtrex™ Intelligent Photoelectric Smoke Sensor
ISO-6A	Advanced Protocol Six Isolator Module
M500X/A	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
B501BA	Analog Base
APIM-10A (CLIP MODE)	Advanced Protocol Ten Input Monitor 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
CZ-6A	Six Addressable Universal Zone Module
BEAM200A	Intelligent Addressable Beam Detector
BEAM200SA	Intelligent Addressable Beam Detector (with Sens Test)
DNRA	Duct Housing for MIX-2251BA and MIX-2251BRA detectors
DNRWA	Watertight Innovair Flex Duct Detector Housing for MIX-2251BA, MIX-2251BRA Heads

FleX-Net™ FX-4000 (FX-4003-12N, FX-4009-12N, FX-4017-12N, FX-4000MNS) 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.

Manufacturer & Model/Base	Maximum # of Devices/Circuit	Manufacturer & Model/Base	Maximum # of Devices/Circuit
Mircom		Edwards continued	
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	Fenwal	
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
MGC Systems Corp.		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
Apollo		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
Cerberus Pyrotronics		PSD-7126/70-201000-002	42
D1-2	30	PSD-7125/70-201000-003	42
D1-3/DB-3S	30	PSD-7125/70-201000-005	42
Edwards		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		

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

FleX-Net™ FX-4000 (FX-4003-12N, FX-4009-12N, FX-4017-12N, FX-4000MNS) Series 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
Amseco / Potter	Mircom	SDM 240	FHS-340, FHS-240	15
Gentex Corp.	Secutron	AVS44 R, ASVM	MRA-HS3-24ww	20
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*

FleX-Net™ FX-4000 UL/ULC Listed Compatible Addressable Loop Modules using ALCN-960MISO and ALCN-960D Loop Drivers

Mircom device	Description
MIX-4010	Photo Electric smoke detector
MIX-4011	Photo Electric smoke detector
MIX-4020	Multi-Sensor (photo/heat) detector
MIX-4021	Multi-Sensor (photo/heat) detector
MIX-4030	Heat detector
MIX-4040	Dual input monitor module
MIX-4041	Dual input mini monitor module
MIX-4042	Analog (Conventional zone or 4-20mA) input module
MIX-4045	Dual relay module
MIX-4046	Multi-use output (Phone/NAC/Speakers) module
MIX-4070	SLC Short-circuit isolator
MIX-4010-ISO	Photo Electric smoke detector with SLC short-circuit isolator
MIX-4011-ISO	Photo Electric smoke detector with SLC short-circuit isolator
MIX-4020-ISO	Multi-Sensor (photo/heat) detector with SLC short-circuit isolator
MIX-4021-ISO	Multi-Sensor (photo/heat) detector with SLC short-circuit isolator
MIX-4030-ISO	Heat detector with SLC short-circuit isolator

FleX-Net™ FX-4000 UL/ULC Listed Compatible Two-Wire Detectors using ALCN-960MISO and ALCN-960D Loop Drivers and MIX-4042 Zone Module

Manufacturer	Model	Bases	Maximum # of devices per circuit	Detector supply voltage range at MIX-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	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

Manufacturer	Model	Bases	Maximum # of devices per circuit	Detector supply voltage range at MIX-4042 input	Alarm Verification allowed
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, FleX-Net™ FACP (excluding FX-6000MNS-CH) and Temporal 520Hz Square Wave Low Frequency Signal.

Mircom 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

Mircom Temporal 520Hz Square Wave Low Frequency Signal

UL tested Mircom temporal 520Hz square wave signal has three different levels, L, M, H available in the FleXNet 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;

Model	Description	Back Box
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;
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

FX-400 and FX-401 ULI/ULC Listed Compatible Devices

FX-400 and FX-401 ULI/ULC Listed Compatible Addressable Devices

MGC Models	Description
MGC Addressable Detectors	
MIX-4010	Photoelectric Smoke Sensor
MIX-4010-ISO	Photoelectric Smoke Sensor with Built-in Short Circuit Isolator
MIX-4011	Photoelectric Smoke Sensor
MIX-4011-ISO	Photoelectric Smoke Sensor with Built-in Short Circuit Isolator
MIX-4020	Multi-Sensor Detector
MIX-4020-ISO	Multi-Sensor Detector with Built-in Short Circuit Isolator
MIX-4021	Multi-Sensor Detector
MIX-4021-ISO	Multi-Sensor Detector with Built-in Short Circuit Isolator
MIX-4030	Tri-Mode Heat Detector
MIX-4030-ISO	Tri-Mode Heat Detector with Built-in Short Circuit Isolator
MGC Addressable Control Modules	
MIX-4040	Dual Input Module
MIX-4041	Mini Dual Input Module
MIX-4042	Analog (Conventional zone or 4-20mA) Input Module
MIX-4045	Dual Relay Module
MIX-4046	Supervised Output Module
MIX-4070	SLC Short Circuit Isolator Module
MGC Addressable Bases	
MIX-4001	6" Diameter Detector Base
MIX-4002	4" Diameter Detector Base
MGC Addressable Manual Stations	
MS-401MPU	Intelligent Single Stage Manual Station MP
MS-407MPU	Intelligent Single Stage Manual Station MP with additional N.C. switch
MS-710MPU	Intelligent Key-Resettable Single Stage Dual Action Manual Station MP

ULI/ULC Listed Compatible Two-Wire Detectors Compatible with MIX-4042 Zone Module with FX-400 and FX-401 FACPs

Manufacturer	Model	Bases	Maximum # of devices per circuit	Detector supply voltage range at MIX-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

Manufacturer	Model	Bases	Maximum # of devices per circuit	Detector supply voltage range at MIX-4042 input	Alarm Verification allowed
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

FX-400 and FX-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

System Sensor L Series Models	Description
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
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

FX-3500, FX-3500RCU and FX-3318 ULI Listed Compatible Devices

FX-3500, FX-3500RCU and FX-3318 ULI Listed Compatible Addressable Devices

Mircom Models	Description
ULI Advanced Protocol Detectors	
MIX-COS351AP	Advanced Protocol CO and Smoke Detector
MIX-CO351AP	Advanced Protocol CO Detector
MIX-FC351AP	Advanced Protocol CO and Photoelectric Smoke Detector (CO portion of the detector is latching supervisory alarm only).
MIX-2351AP	Advanced Protocol Photoelectric Smoke Detector
MIX-2351RAP	Advanced Protocol Photoelectric Smoke Detector with remote test
MIX-2351TAP	Advanced Protocol Photoelectric Smoke Detector with Thermal Sensor
MIX-2351TIRAP	Multi-criteria with complementary heat and IR
MIX-5351AP	Advanced Protocol Heat Detector
MIX-5351HAP	Advanced Protocol High Heat Detector
MIX-5351RAP	Advanced Protocol Rate of Rise Heat Detector
MIX-5352RAP	Advanced Protocol Heat Detector Rate of Rise
MIX-5352HAP	Advanced Protocol Heat Detector
MIX-COSAP	Advanced Protocol CO and Photoelectric Smoke Detector
MIX-1251AP	Advanced Protocol Ion Smoke Detector
MIX-2251AP	Advanced Protocol Photo Smoke Detector
MIX-2251TAP	Advanced Protocol Photo Heat Detector
MIX-2251TMAP	Advanced Protocol Acclimate Detector
MIX-2251RAP	Advanced Protocol Photo Smoke Detector
MIX-5251AP	Advanced Protocol Heat Detector
MIX-5251HAP	Advanced Protocol High Temperature Heat Detector
MIX-5251RAP	Advanced Protocol Rate of Rise Heat Detector
ULI Advanced Protocol Intelligent Modules	
MIX-M500MAP	Advanced Protocol Monitor Module
MIX-M500DMAP	Advanced Protocol Dual Monitor Module
MIX-M500RAP	Advanced Protocol Relay Control Module
MIX-M500SAP	Advanced Protocol Supervised Control Module
MIX-M501MAP	Advanced Protocol Mini Monitor Module
MIX-M502MAP	Advanced Protocol Conventional Zone Module
MIX-M501DMAP	Dual Mini Module component
ULI Advanced Protocol Manual Stations	
MS-401APU	Addressable Single Stage Manual Station
MS-407APU	Addressable Single Stage Manual Station with additional N.C. switch
MS-710APU	Addressable Single Stage Dual Action Station

Mircom Models	Description
ULI Ancillary Modules	
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
ULI Ancillary Modules	
ISO-6	Advanced Protocol Six Isolator Module
M500X	Fault Isolator Module
SC-6	Six Supervised Control Module
ULI Bases	
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
ULI Intelligent Detectors	
MIX-1251B	Intelligent Low Profile Ionization Smoke Sensor
MIX-2251B/BR	Intelligent Low Profile Photoelectronic Smoke Sensor
MIX-2251TB	Intelligent Low Profile Photoelectronic Smoke Sensor c/w 135°F Fixed Temp. Thermal Sensor
MIX-2251TMB	Intelligent Low Profile Multi-Criteria Sensor
MIX-5251B	Intelligent Low Profile Fixed Temp. Thermal Sensor 135°F
MIX-5251H	Intelligent Low Profile High Temperature Thermal Sensor 190°F
MIX-5251RB	Intelligent Low Profile Fixed Temp. and Rate of Rise Thermal Sensor 135°F
7251	Intelligent Low Profile Laser Smoke Detector
ULI Intelligent Modules	
MIX-500DM	Intelligent Dual Monitor Module
MIX-M500M	Intelligent Addressable Monitor Module
MIX-M500R	Intelligent Addressable Relay Module
MIX-M500S	Intelligent Addressable Supervised Control Module
MIX-M501M	Intelligent Addressable Mini-Monitor Module
MIX-M502M	Intelligent Addressable Interface Module

Mircom Models	Description
ULI Addressable Manual Stations	
MS-401ADU	Addressable Single Stage Manual Station
MS-702ADU	Addressable Two Stage Single Action Station
MS-710ADU	Addressable Single Stage Dual Action Station

Mircom Models	Description
System Sensor ULI Intelligent Modules and Detectors	
M500S	Supervised Control Module
M500DMR1	Multiple Monitor with 2 Monitor Inputs and 2 Relay Outputs
APB200	Sounder Base used with MIX-COSAP detector
APB200-LF	Sounder Base used with MIX-COSAP detector
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

Secutron Models	Description
ULI Advanced Protocol Detectors	
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-5352RAP	Advanced Protocol Heat Detector Rate of Rise
MRI-5352HAP	Advanced Protocol 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

Secutron Models	Description
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
ULI Advanced Protocol Intelligent Modules	
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-M502MAP	Advanced Protocol Conventional Zone Module
MRI-M501DMAP	Dual Mini Module component
ULI Advanced Protocol Manual Stations	
MRM-401APU	Addressable Single Stage Manual Station
MRM-710APU	Addressable Single Stage Dual Action Station
ULI Addressable Manual Stations	
MRM-702ADU	Addressable Two Stage Single Action Station
MRM-710ADU	Addressable Single Stage Dual Action Station
ULI Intelligent Detectors	
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
ULI Intelligent Modules	
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

FX-3500, FX-3500RCU, FX-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 MIX-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
MGC Systems Corp.			
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
MPD-65P Bases MSB-65B, MSB-65B-4, MSB-65B-4R			
MPD-65P	MPD-65P	0.13	21
Apollo			
Series 60A Bases 45681-200,-220,-232,-251			
Series 65A Bases 45681-255,-256,-257,-258			
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
Hochiki			
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
Sentrol-ESL			
429C / (701E, 701U, 702E, 702U)	S10A-S00	0.1	30
429CRT / (702E, 702RE, 702RU, 702U)	S11A-S00	0.1	30

Smoke Detector Manufacturer Model / Base	Compatibility Identifier Head / Base	Rated Standby Current (mA)	Maximum # of devices per circuit
Sentrol-ESL continued			
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
System Sensor			
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
System Sensor continued			
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

FX-3500, FX-3500RCU and FX-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

System Sensor L Series Models	Description
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

System Sensor L Series Models	Description
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

FX-3500 and FX-3500RCU ULC Listed Compatible Devices

FX-3500 and FX-3500RCU ULC Listed Compatible Addressable Devices

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


Model	Description
System Sensor ULC Intelligent Modules and Detectors	
M500SA	Supervised Control Module
M500DMR1A	Monitor Module with 2 Monitor Inputs and 2 Relay Outputs
APB200COA	Sounder Base used with MIX-COSAPA detector
APB200A	Intelligent Sounder base
BEAM200A	Intelligent Addressable Beam Detector
BEAM200SA	Intelligent Addressable Beam Detector (with Sens Test)
B200SRA	200 Series Intelligent Base with Sounder
OSI-RI-AP	Advanced Protocol Beam Detector
ULC Advanced Protocol Manual Stations	
MS-401AP	Addressable Single Stage Manual Station ULC
MS-402AP	Addressable Two Stage Manual Station ULC
MS-407AP	Addressable Single Stage Manual Station with additional N.C. switch
MS-702AP	Addressable Two Stage Single Action Station ULC
MS-710AP	Addressable Single Stage Dual Action Station ULC
ULC Ancillary Modules	
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
ULC Bases	
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

Model	Description
ULC Intelligent Detectors	
MIX-1251BA	Intelligent Low Profile Ionization Smoke Sensor ULC
MIX-2251BA/BRA	Intelligent Low Profile Photoelectronic Smoke Sensor ULC
MIX-2251TBA	Intelligent Low Profile Photoelectronic Smoke Sensor c/w 135°F Fixed Temp. Thermal Sensor ULC
MIX-2251TMBA	Intelligent Low Profile Multi-Criteria Sensor ULC
MIX-5251BA	Intelligent Low Profile Fixed Temp. Thermal Sensor 135°F ULC
MIX-5251HA	Intelligent Low Profile High Temperature Thermal Sensor 190°F ULC
MIX-5251RBA	Intelligent Low Profile Fixed Temp. and Rate of Rise Thermal Sensor 135°F ULC
7251A	Intelligent Low Profile Laser Smoke Detector ULC
ULC Intelligent Modules	
MIX-500DMA	Intelligent Dual Monitor Module ULC
MIX-M500MA	Intelligent Addressable Monitor Module ULC
MIX-M500RA	Intelligent Addressable Relay Module ULC
MIX-M500SA	Intelligent Addressable Supervised Control Module ULC
MIX-M501MA	Intelligent Addressable Mini-Monitor Module ULC
MIX-M502MA	Intelligent Addressable Interface Module ULC
ULC Addressable Manual Stations	
MS-401AD	Addressable Single Stage Manual Station
MS-702AD	Addressable Two Stage Single Action Station
MS-710AD	Addressable Single Stage Dual Action Station

Secutron Model	Description
ULC Advanced Protocol Detectors	
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

Secutron Model	Description
ULC Advanced Protocol Intelligent Modules	
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-M502MAPA	Advanced Protocol Conventional Zone Module ULC
ULC Intelligent Detectors	
MRI-1251BA	Intelligent Low Profile Ionization Smoke Sensor ULC
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
ULC Intelligent Detectors continued	
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
ULC Intelligent Modules	
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

FX-3500 and FX-3500RCU ULC Listed Two-Wire Smoke Detectors

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

FX-3500 and FX-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"

System Sensor L Series Models	Description
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

FX-350 Series UL/ULC Listed Compatible Addressable Devices

Mircom Model	Apollo Model	Description
Detectors		
MIX-3000	55000-550	Ionization Smoke Detector (U.S. Model Only)
MIX-3100	55000-650	Photoelectric Smoke Detector
MIX-3200	55000-886	* Multi-sensor (photoelectric with supplemental rate-of-rise heat sensor)
	Note: * Unit employs an integral heat sensor; however it must not be used as a regular heat detector. Refer to the product data sheet for detailed functionality, operation and application. Manual configuration for the MIX-3200 is NOT PERMITTED. This device must be configured via the AUTO CONFIG.	
	MIX-3300	55000-450
Bases		
MIX-2000	45681-210	4 inch Standard Base
MIX-2001	45681-250	6 inch E-Z Fit Base
MIX-2001R	45681-242	6 inch Base with Relay
MIX-2001H	MB-SDR-XP95	6 inch Base with Sounder
MIX-2001HT	MB-SDRT-AA	6 inch Base with Temporal Tone Sounder
Ancillary Modules		
MIX-100P	55000-806	Priority Monitor Module
MIX-101P	55000-830	Mini Priority Monitor Module
55000-820	55000-820	Single Relay Output Module (1 Form C Contacts, 2 Gang Mount)
MIX-100S	55000-825	Supervised Control Module
MIX-100X (Kit), 100XH (Isolator), 100XB (Base)	55000-750 45681-211	Isolator c/w Mounting Base
Addressable Duct Detectors		
MIX-DH3000	SL-DAA-N	Ionization Duct Smoke Detector (UL Listed)
MIX-DH3001	SL-DAA-P	Photoelectric Duct Smoke Detector (UL Listed)
MIX-DH3000R	SL-DA4R-N	Ionization Duct Smoke Detector with relay (UL Listed)
MIX-DH3001R	SL-DA4R-P	Photoelectric Duct Smoke Detector with relay (UL Listed)
Addressable Pull Stations		
MS-401ID(U)		Addressable Single Stage Pull Station
MS-402ID		Addressable Two Stage Pull Station (Canadian Model Only)
MS-701ID(U)		Addressable Single Stage Single Action Pull Station
MS-702ID(U)		Addressable Two Stage Single Action Pull Station
MS-710IDU		Addressable Two Stage Dual Action Pull Station

FX-350 Series UL/ULC Listed Compatible Horn/Strobes

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

FX-350 Series UL Compatible Horn/Strobes

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

System Sensor L Series Models	Description
SCWL	STROBE WHITE CEILING
SCWL-CLR-ALERT	STROBE WHITE CEILING CLEAR LENS ALERT
HWL	HORN WHITE WALL
HRL	HORN RED WALL
HGRL	HORN WHITE WALL, COMPACT
HGWL	HORN RED 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 WHITE CEILING
SPSWL-ALERT	SPEAKER STROBE WHITE CEILING, PLAIN
SPSWL-CLR-ALERT	SPEAKER STROBE WHITE CEILING, FUEGO
SPSCRL	SPEAKER STROBE WHITE CEILING, ALERT
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

FX-350 Series ULC Compatible Horn/Strobes

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 White Wall, Compact
HGWLA	Horn Red 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"
CHSCWLA-E	Chime Strobe White Ceiling - English "FIRE"
CHSCWLA-F	Chime Strobe White Ceiling - French "FEU"
CHSRLA	Chime Strobe Red Wall - Bilingual "FIRE/FEU"

System Sensor L Series Models	Description
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

FX-2200 UL Listed Compatible Devices

FX-2200 UL Listed Compatible Addressable Devices

Model	Description	Typical Current Draw μ A
MIX-1251	Ionization type smoke detector	300
MIX-1251B	Ionization type smoke detector	300
MIX-2251	Photoelectric type smoke detector	300
MIX-2251B/BR	Photoelectric type smoke detector/plus Thermal	360
MIX-2251T	Photoelectric type smoke detector w/ thermal element	300
MIX-2251TB	Photoelectric type smoke detector w/ thermal element	360
MIX-2251TM	Acclimate Photo-Thermal Detector	300
MIX-2251TMB	Acclimate Photo-Thermal Detector	360
MIX-5251P	Thermal detector	200
MIX-5251B	Thermal detector	300
MIX-5251RP	Thermal detector w/ rate of rise	200
MIX-5251RB	Thermal detector w/ rate of rise	300
MIX-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	1.30 mA
MIX-M500DM	Dual Input Monitor Module	300
MIX-M500M	Monitor module, Classes A/B initiating	300
MIX-M501M	Mini Monitor module, Class B initiating	300
MIX-M502M	Monitor Module for 2- wire smoke detectors Classes A/B initiating	200
MIX-M500S	Control module	300
MIX-M500R	Relay Module	300
MIX-M500X	Fault isolator module	450
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
MS-401APU	Advanced Protocol Addressable Single Stage Manual Station	600

Model	Description	Typical Current Draw μA
MS-402APU	Advanced Protocol Addressable Two Stage Manual Station	600
MS-702APU	Advanced Protocol Addressable Two Stage Single Action Station	600
MS-710APU	Advanced Protocol Addressable Single Stage Dual Action Station	600
MS-401ADU	Addressable Single Stage Manual Station	600
MS-402ADU	Addressable Two Stage Manual Station	600
MS-702ADU	Addressable Two Stage Single Action Station	600
MS-710ADU	Addressable Single Stage Dual Action Station	600

FX-2200 UL Listed Compatible Synchronized Notification Appliances

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



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