

The background of the entire page is a high-angle, black and white aerial photograph of a dense urban skyline, likely New York City. Numerous skyscrapers of varying heights and architectural styles are visible, creating a complex geometric pattern of lines and shadows. The lighting suggests a bright day, with strong highlights and deep shadows.

2023 PRODUCT RELEASES

NEW PRODUCTS RELEASED IN 2023

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FIRE DETECTION & ALARM

NEW PRODUCTS

MIX-4000 SERIES

INTELLIGENT DEVICES AND PROTOCOL

MIX-4010-DUCT PHOTOELECTRIC DUCT SMOKE DETECTOR



The MIX-4010-DUCT is a meticulously engineered addressable photoelectric smoke duct detector, designed to efficiently detect smoke within air duct systems.

Featuring an intelligent smoke detector head (MIX-4010-D), it continuously monitors air obscuration and efficiently communicates this data to the FACU using the MGC Protocol.

The MIX-4010-DUCT is compatible with FX-400 Series and Flex-Net FX-4000N Fire Alarm Control Panels.

Features:

- Detects smoke within a range of 300ft/min to 4,000 ft/min.
- Transparent cover enables quick visual inspection for maintenance.
- Integrated test port allows for convenient testing while transparent cover is in place.
- The customizable remote test function allows for effortless testing and monitoring of the MIX-4010-DUCT performance from a remote location.
- The flexible mounting bracket allows for multiple mounting configurations.

[MORE DETAILS](#)

INPUT, RELAY & ISOLATOR MULTI MODULES

Our new multi-modules have been meticulously designed to significantly reduce the footprint compared to other models, ensuring optimal utilization of your valuable space without compromising functionality.

With flexible mounting options and DIN Rails, installing these modules is a straightforward process that eliminates the need for additional tools or excessive labor, saving you time and effort.

Offering 2 and 6 module backbox enclosures and an optional mounting bracket kit, we empower you to select the perfect UL/ULC listed backbox enclosure that seamlessly aligns with your specific requirements, facilitating a smooth integration process tailored to your needs.

The Multi-Modules are compatible with FX-400 Series and Flex-Net FX-4000N Fire Alarm Control Panels.

MIX-4040-M MULTI INPUT MODULE

The MIX-4040-M is an intelligent, addressable device adaptable for alarm, monitor, or supervisory applications.

Features:

- Supports 6 Class A or 12 Class B inputs.
- Mounting bracket kit allows for mounting on any other UL/ULC listed equivalent backbox enclosure.
- Monitor 12 independent input circuits using only one module address.
- No EOL resistor required when input is in Class A operation.

[MORE DETAILS](#)



FIRE DETECTION & ALARM

MIX-4000 SERIES

INTELLIGENT DEVICES AND PROTOCOL



MIX-4045-M MULTI RELAY MODULE

The MIX-4045-M is an intelligent addressable relay module designed for responsive relay outputs to any alarm or combination of inputs.

Features:

- Provides 8 Form C (SPDT) contacts rated at 2A @ 30VDC or 0.5 @ 125 VAC.
- Each contact can be individually controlled by the FACU.
- All 8 Form C contacts use only one module address through sub-addressing technique.
- Group Activation capability for fast reaction time.

[MORE DETAILS](#)

MIX-4070-M MULTI ISOLATOR MODULE

The MIX-4070-M is designed to ensure uninterrupted SLC communication loops, featuring eight isolator sections that isolate short circuits, allowing the loop to continue operation.

Features:

- Provides 8 isolator sections which are electrically isolated from each other.
- Allows the SLC loop to continue operating when a short circuit occurs on one section of the loop.
- Self-restoring capability on each section once a short circuit is removed.

[MORE DETAILS](#)

CONVENTIONAL DEVICES



SD-100 SERIES PHOTOELECTRIC SMOKE DETECTORS

The SD-100 Series smoke detectors are suitable for use in commercial, industrial, institutional, and residential occupancies. The sleek low-profile design of the detectors emphasizes ease of installation and field maintenance. This series include two detectors: SD-100-2WP, which is a two-wire smoke detector and SD-100-4WP, which is a four-wire smoke detector.

Features:

- Photoelectric smoke sensing technology.
- Dual LEDs for 360° visibility.
- Uses smoke sensor in conjunction with a fixed 135°F (57.2°C) temperature heat sensor to extend reliability.
- "Form A" Alarm contact on 4-wire model.
- Supports the RSR-100 Remote Sensitivity Reader that provides specific information related to the sensitivity of the detector.

[MORE DETAILS](#)



FIRE DETECTION & ALARM

FIRE ALARM PANEL ACCESSORIES

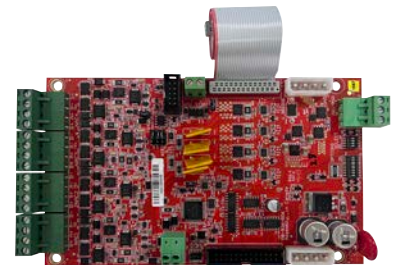


SGM-1004S OUTPUT MODULE WITH BUILT-IN SYNCHRONIZATION

The SGM-1004S module provides compatible fire alarm control panels with up to 4 Class A or B (Style Z or Y) Notification Appliance Circuits with built-in synchronization.

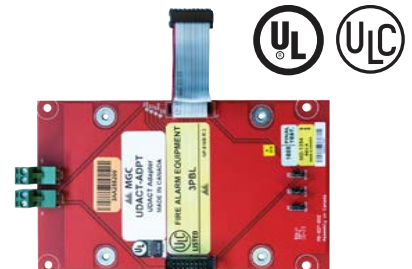
Features:

- Built-in synchronization protocol support for MGC, System Sensor, Gentex and Wheelock.
- Compatible with the FA-1000, FX-2000 Series, Flex-Net FX-2000N Series, Flex-Net FX-4000N and FX-MNS-6000 fire alarm control panels.
- Increases the number of synchronized NAC circuits per panel while reducing the required quantity of sync modules and wiring.

[MORE DETAILS](#)

UDACT-ADPT DIGITAL ALARM COMMUNICATOR TRANSMITTER ADAPTOR

The UDACT-ADPT is an adapter module designed for use with network Flex-Net FX-4000N systems that have two or more UDACT-300A Digital Communicators. It provides a back-up method that ensures that only one UDACT-300A transmits to the central monitoring station at any given time.

[MORE DETAILS](#)

ENHANCEMENTS

FA-300 SERIES

LED & LCD DISPLAY FIRE ALARM CONTROL PANELS



The FA-300 LED & LCD Series Conventional Fire Alarm Panels are now UL 864 Rev 10 and ULC 527 Ed 4 certified. The certified items are listed in the table below:

Part Number	Description	Certification	Min. Hardware Required
FA-300-6DR	6 ZONE FIRE ALARM C/W LCD, RED	UL 864 Rev 10	MD-754
FA-300-6DDR	6 ZONE FIRE ALARM C/W LCD, UDACT, RED	UL 864 Rev 10	MD-731
FA-301-12DDR	12 ZONE FIRE ALARM C/W LCD, UDACT, RED	UL 864 Rev 10	MD-744
FA-301-8LR	8 ZONE FIRE ALARM C/W LED, RED	UL 864 Rev 10, ULC 527 Ed4	MD-796
FA-301-8LDR	8 ZONE FIRE ALARM C/W LED, DIALER, RED	UL 864 Rev 10, ULC 527 Ed4	MD-797
FA-301-12LDR	12 ZONE FIRE ALARM C/W LED, UDACT, RED	UL 864 Rev 10, ULC 527 Ed4	MD-745



FIRE DETECTION & ALARM

Furthermore, we have implemented firmware and software updates for the following products to ensure compliance with the new certification requirements:

- Firmware: SO-290 from V2.0.53 to V2.0.59
- Software: MSW-009 from V3.9.2 to 3.9.3

FX-400 SERIES INTELLIGENT FIRE ALARM CONTROL PANELS



Mircom's FX-400 Series systems are the ideal choice for small to medium-sized commercial, industrial, and institutional buildings. Equipped with advanced features, the FX-400 Series deliver a dependable and economical solution for both new and retrofit applications. Available in single and multi-loop configurations, the FX-400 Series are engineered to offer exceptional flexibility, simple installation, and hassle-free operation.

ENHANCEMENT HIGHLIGHTS:

- Device sub-addressing for efficient utilization of physical address space.
- Support for new MGC MIX-4000 devices, such as the MIX-4010-DUCT Photoelectric Duct Detector and Multi-Modules.
- 4-20mA functionality now available on the MIX-4042 module.
- Compatibility with IPS-2424DS and IPS-4848 switch adders.
- Introduction of a group bypass switch.
- Output zones that can be operated through group commands.
- A dual relay module for independent relay operation.
- Event time stamps now provided in seconds.
- Buzzer Silence can be repurposed as Auxiliary Reset.
- Migration to 32-bit correlations, allowing larger correlation tables.
- Repurposing of the "No Flashing" flag to indicate devices that will not flash their LED.
- Support for auto suite silence.

Part Number	Description
FX-400R	Addressable Fire Alarm Control Unit c/w 1 x Addressable Loop compatible with MIX-4000 Series, Black back-box, and Red door enclosure.
FX-400B	Addressable Fire Alarm Control Unit c/w 1 x Addressable Loop compatible with MIX-4000 Series, Black back-box, and Black door enclosure.
FX-401R	Addressable Fire Alarm Control Unit c/w 1 x Addressable Loop compatible with MIX-4000 Series, Black back-box, and Red door enclosure. Expandable to three SLCs with the addition of the Dual Loop Controller ALC-480.
FX-401B	Addressable Fire Alarm Control Unit c/w 1 x Addressable Loop compatible with MIX-4000 Series, Black back-box, and Black door enclosure. Expandable to three SLCs with the addition of the Dual Loop Controller ALC-480.



FIRE DETECTION & ALARM

QX-MINI VOICE EVACUATION SYSTEM



The QX-Mini is an emergency and fire alarm audio system designed to provide notification for small to medium sized applications.

The QX-mini supplies 30-Watt for audio output and 5-Amps for Notification Appliance Circuits (NAC). The optional 30-Watt Amplifier Module increases audio output to 60-Watt.

Notifications can be sent using stored digital message recordings, the master microphone, or remote microphones. The QX-mini comes with standard notifications and supports custom digital messages using audio library, text-to-speech, and voice recording options. Up to six remote microphones and/or LOCs can be connected to the QX-mini.

The QX-mini operates either as a stand-alone audio system or as part of a fire alarm system. Conventional fire alarm systems control the QX-mini with relays. Mircom compatible Fire Alarm Control Panels can control the QX-mini using a Signaling Line Circuit (SLC).

ENHANCEMENT HIGHLIGHTS:

- The QX-Mini has been enhanced to support FX-400 and Flex-Net FX-4000N Series FACUs that are compatible with MGC protocol devices.

[MORE DETAILS](#)

OPEN GRAPHIC NAVIGATOR (OPENGN) - VERSION 3.8



Open Graphic Navigator (OpenGN) is a centralized building management software that provides building or campus monitoring. As a powerful integration tool, OpenGN is easily customized to communicate a range of system events to different responding authorities or personnel, including fire, security, maintenance and service staff.

With unparalleled graphical interface that provides both 2D and 3D modeling, OpenGN provides real-time notifications to quickly identify the event location by building and floor to provide precise route planning for first responders.

ENHANCEMENT HIGHLIGHTS:

Added support for the following products:

- Flex-Net (12.2.37)
- FX-4000 (1.10.1)
- FX-3500 (3.0.16)
- FX-3318 (3.0.16)

[MORE DETAILS](#)



COMMUNICATION & VOICE ENTRY

NEW PRODUCTS

TX3 SLIM LINE REINFORCED VOICE ACCESS SYSTEMS

TX3-2000-4UR-C REINFORCED SURFACE MOUNT (HOODED)

Mircom's TX3 Reinforced Slim Line Voice Access Systems are designed to provide visitor access control to doorways, overhead doors, or barrier gates for up to 2000 occupants. The slim line space-efficient design is ideal for applications with limited space, for applications where a separate directory is exists or not required.

The TX3 Reinforced Universal Series enclosure is constructed from robust, heavy gauge stainless steel and it is suitable for both indoor lobby and outdoor installation. This system offers versatile mounting options, including surface, semi-flush, or pedestal mounting. The Reinforced Universal Series enclosure offers features such as a built-in rain hood, microphone, tamper-resistant speaker, and has provisions for the installation of a postal lock and color camera.

Features:

- TCP/IP capability for remote programming via TX3-IP module.
- Dials up to 18-digit telephone numbers.
- 4 x 20 backlit LCD display for resident names and programmable messages.
- Supports up to 2000 names with a 16-digit backlit keypad having dedicated operational buttons for Page Up, Page Down, Call and Info.

Applications:

- Provides resident/visitor access control for small buildings such as condominiums, apartment buildings, office buildings, gated communities, and industrial buildings with up to 2000 residents or users.
- Slim design is ideal for applications with limited space, or for applications where a separate directory exists or is not required.
- Surface, semi-flush or pedestal mounting options (Optional adapter plate required to mount to a standard gooseneck post).

[MORE DETAILS](#)

TX3 HANDS-FREE REINFORCED VOICE ACCESS SYSTEMS

TX3-2000-8CR-C REINFORCED STANDARD (FLUSH) & TX3-2000-8UR-C REINFORCED SURFACE MOUNT (HOODED)

Mircom's TX3 Reinforced Hands-Free Voice Access Systems are designed to provide visitor access control to doorways, overhead doors, or barrier gates for up to 2000 occupants.

Versatile mounting includes a Reinforced Universal surface outdoor enclosure and a Reinforced Continental flush interior enclosure. These units come with a microphone, tamper-resistant speaker, provision for a built-in postal lock, and color camera. The Reinforced Universal Series has a built-in rain hood with optional mounting adaptors for semi-flush or gooseneck mount applications.

The panels are constructed from heavy stainless steel to withstand years of environmental abuse and provide years of trouble-free performance.



COMMUNICATION & VOICE ENTRY

Features:

- TCP/IP capability for remote programming by adding a TX3-IP module.
- Field-Configurable Multilingual Display and Voice Greeting (English, French-Canadian, and Spanish) for user instructions.
- Large scrolling 8- or 6-line backlit display for easy readability.
- Dials up to 18-digit telephone numbers.
- Supports extensive user capacity and hands-free, full-duplex communication.
- Upload/download configuration files without system downtime.
- Record 5000 events in the event log.

Applications:

- Provides resident/visitor access control for small buildings such as condominiums, apartment buildings, office buildings, gated communities and industrial buildings.
- Designed for applications with up to 2000 residents or users.
- Universal enclosure supports surface, semi-flush or pedestal mounting options (Optional adapter plate required to mount to a standard gooseneck post).
- The TX3 system utilizes hands-free, full duplex telephone communications between residents and visitors for granting access into the building. The system is configurable to support both an AutoDialer (ADC) system, which uses a dedicated phone line to dial preprogrammed numbers when the unique directory code is entered, and a No Phone Bill (NSL) system, which does not require a dedicated phone line.



[MORE DETAILS](#)



[MORE DETAILS](#)

TX3 TOUCH VOICE ENTRY SYSTEM ACCESSORIES

TX3-T-PEDESTAL-B-WR WEATHER RESISTANT PEDESTAL STAND

The TX3-T-PEDESTAL-B-WR is built for outdoor use alongside our TX3 Weather Resistant Touch Voice Entry Systems. This sleek black Pedestal Stand seamlessly complements our TX3 Weather Resistant Touch Panels, featuring a dedicated cutout in the base plate for easy access to power and communication cables. This design simplifies installation and connectivity, saving you time and effort.

Features:

- Designed for use with TX3 Touch Weather Resistant Panels.
- Suitable for both outdoor and indoor applications.
- Access for the power and communication cables is provided through base plate.
- The backplate can be mounted in 2 positions: higher and lower. The backplate is factory installed in the lower position on the stand.



[MORE DETAILS](#)



COMMUNICATION & VOICE ENTRY

ENHANCEMENTS

TX3 TOUCH OPERATING SOFTWARE - WINDOWS 10

Mircom's TX3 Touch Operating System (OS) has been upgraded from Windows 7 to Windows 10 IoT. The new OS Windows 10 IoT offers many advantages:

- **System Protection Feature:** TX3 Touch Windows 10 IoT introduces an innovative system protection feature that ensures the safety of your important files on the TX3 Touch Panel, even in the event of a power outage or system failure.
- **Anti-Virus Protection:** TX3 Touch Windows 10 IoT incorporates robust anti-virus protection to defend your devices against potential threats. The built-in anti-virus software scans and monitors your system. This proactive approach ensures that your IoT devices are shielded from malware, viruses, and other harmful entities, allowing you to use them with confidence.

TX3 Touch Configurator (V2.15.7 or higher) supports TX3 Touch Panels with the Windows 10 IoT Enterprise operating system. Windows 10 IoT Enterprise also provides better SIP connectivity and video call performance.

All new TX3 Touch Panels manufactured on or after: June 2, 2023 will now include this OS upgrade. Hence, a TX3 Touch UPS Kit is no longer required and will not be included with these TX3 Touch Panels.

Part Number	Description
TX3-TOUCH-F15-D	15" TX3 Touch Panel, indoor, flush mount
TX3-TOUCH-S15-D	15" TX3 Touch Panel, indoor, surface mount
TX3-TOUCH-F22-E	22" TX3 Touch Panel, indoor, flush mount
TX3-TOUCH-S22-E	22" TX3 Touch Panel, indoor, surface mount
TX3-TOUCH-S15B-WR	15" TX3 Touch Panel, outdoor, surface mount, black color (Weather Resistant)
TX3-TOUCH-S15S-WR	15" TX3 Touch Panel, outdoor, surface mount, silver color (Weather Resistant)

TX3 CONFIGURATOR & TX3 TOUCH CONFIGURATOR - VERSION 2.15.9

Mircom has released Version 2.15.9 configurator software for the TX3 and TX3 Touch Configurator. Version 2.15.9 supports the following product firmware versions:

Product	Firmware Version
TX3 - Lobby Unit	Version 3.5.x or higher, Version 3.8.1xx (-256) or higher
TX3-CX2 Double Door Double Reader Controller	Version 3.5.x or higher, Version 3.7.1xx (-256) or higher
TX3-CX1 Single Door Double Reader Controller	Version 3.5.x or higher
Elevator Restriction Unit	Version 3.5.x or higher
Elevator Restriction Unit 2.0	Version 3.7.1xx (-256) or higher
TX3 Touch Unit	Version 2.13.11 or higher



COMMUNICATION & VOICE ENTRY

ENHANCEMENT HIGHLIGHTS:

TX3 Configurator:

- **Improved Screen Compatibility:** TX3 Configurator now seamlessly supports 2K (2560 x 1440 pixels) and 4K (3840 x 2160 pixels) screens. Users with high-resolution displays will experience sharper images and crisper text, enhancing the overall visual experience.
- **Automatic DPI Adjustment:** The TX3 Configurator now includes an intelligent DPI adjustment feature. It can automatically identify your computer's screen resolution and adapt the DPI (Dots Per Inch) settings accordingly. This ensures optimal display quality without manual intervention.

TX3 Touch Configurator:

- **Unified Write Filter (UWF) Exclusion for Static IP Configurations:** Static IP configurations are now exempted from the Unified Write Filter (UWF) settings. This ensures that these configurations remain unchanged and persistent across system reboots.
- **OS Software Updates:** Disable automatic updates, giving users greater control over when software updates are applied.
- **Dark Theme Option in TX3 Touch Config V2.15.9:** The latest version of TX3 Touch Config (V2.15.9) includes a Dark Theme option. This alternative color scheme for the user interface is designed to reduce eye strain in low-light environments.
- **Enhanced Security through Decoupled Admin Password:** The admin password has been decoupled from both the configurator and the Windows operating system. This security enhancement provides separate credentials, making the system more robust and secure for administrators.

iOS MiENTRY - VERSION 2.0.5(6)

Mircom has released iOS MiEntry Version 2.0.5(6) with bug fixes and performance improvements. This version supports the following product firmware versions:

Product	Firmware Version
TX3 Touch	Version 2.13.11 or higher
TX3 Nano	Version 2.13.11 or higher
iOS	Firmware iOS 15 or higher

ENHANCEMENT HIGHLIGHTS:

- **Enhanced Call Stability:** Upgraded the software development kit to the latest Version. This improvement ensures a more stable calling experience, providing users with a smoother and reliable communication experience.
- **Improved Call Performance:** Users can now receive calls even when the application is running in the foreground, background or when the application is closed. This enhancement ensures communication remains seamless, allowing users to stay connected effortlessly.
- **UI Improvements and Bug Fixes:** Various minor user interface (UI) issues and bugs have been addressed in this update. These changes enhance the visual appeal and functionality of the application, providing users with an improved and more user-friendly interface.



SMART BUILDINGS

OpenBAS SYSTEM DESIGN STUDIO - VERSION 1.3.1

Mircom has released Version 1.3.1 configuration software for OpenBAS System Design Studio. This update brings in new features and enhancements to existing functionalities. Version 1.3.1 is compatible with all OpenBAS NX Controllers, OpenBAS-HV-LEARN and OpenBAS-NWK-ETH3 devices, requiring firmware version 3.15.5.

NEW FEATURES:

- Stay up to date with automatic checks for new System Design Studio releases.
- Quickly test your logic and alarms with override support for both Analog and Binary inputs.
- Simplify your scripts with two instruction improvements:
- The Call instruction can now call subroutines from PLC1, PLC2 or PLC3.
- The Leader Calculator instruction can now also calculate the “lagger” or machine with the lowest runtime.
- Enjoy a significantly easier script workflow with new “code folding” support, allowing you to collapse and expand sections of script as needed.
- Integrate more third-party MODBUS devices with the OpenBAS-NWK-ETH3 now supporting 2 Stop Bit configurations.

ENHANCEMENT HIGHLIGHTS:

- The refresh USB connections button will now leave existing connections open.
- The OpenBAS-NWK-ETH3 Backup screen now shows which Remote points will be backed up.
- A notification will appear if there are any unsaved instructions when uploading an offline PLC.
- Schedules can now Set negative values and values with decimals.
- Double clicking on present values to Set is now consistent across all screens and controllers.