



Description

Mircom's FA-300 Series fire alarm control panels consist of eight and twelve zone models which are equipped with an LED display and an integrated UDACT/Digital Communicator on select models. The FA-300 Series family also includes remote LED and LCD annunciators as well as remote relay modules.

The FA-300 Series panels are ideal for both new and retrofit applications. Designed for small to medium commercial, institutional and industrial occupancies, these panels are powerful enough to meet today's installation demands.

Mircom's FA-300 Series panels are configurable by the keypad (using the CFG-300 Configuration Tool) for onsite programming or by a PC for both onsite and remote programming. Easy to install and simple to operate and configure, the FA-300 Series panels enable the installer to configure the system to meet their specific requirements.

All of the FA-300 Series panels are equipped with a 5 Amp power supply, 4-wire resettable smoke power supply (300mA max.), an interface for a Remote Trouble Indicator (RTI) and an RS-485 interface for remote LCD annunciators, LED annunciators and Remote Relay modules.

The FA-300 Series panels come complete with a red door, black enclosure, durable CAT-30 lock and key and space to mount up to 12 AH batteries. An optional trim ring is available for semi-flush mounting.

Features

- Listed to UL 864, 9th edition
- Available in eight and twelve zone configurations with an integrated UDACT/Digital Communicator on select models
- Front panel (using CFG-300 configuration tool) and PC programmable
- Remote upload/download capabilities
- Base panel is equipped with Class "B" (Style "B") initiating circuits which may be configured as Class "A" (Style "D") using a Class "A" converter module
- Initiating circuits may be configured as Alarm, Verified Alarm, Waterflow Alarm, Sprinkler Alarm, Latching or Non-Latching Supervisory, Monitor and Trouble-Only
- Base panel is equipped with Class "B" (Style "B") indicating circuits which may be configured as Class "A" (Style "Z") using a Class "A" signal converter module
- Individual disconnect buttons for both initiating and indicating circuits
- Audible signals may be configured for Steady, Temporal Code, California Code and March Time
- Indicating Circuits may be configured as Silenceable or Non-Silenceable for both signals and strobes
- Built-in sync protocols for the following strobe manufacturers: Mircom, Amseco, System Sensor, Gentex, Faraday and Wheelock
- Relay contacts for Common Alarm, Auxiliary/Alarm (Disconnectable), Common Supervisory and Common Trouble
- Configurable Signal Silence Inhibit, Auto Signal Silence and One-Man Walk Test
- Subsequent Alarm, Supervisory, and Trouble operation
- RS-485 Interface for Remote LED Annunciators, LCD Annunciators and Remote Smart Relay Modules
- Interface for a Remote Trouble Indicator (RTI)
- Two event history logs comprised of a 200 event alarm log for alarm related events and a 200 event general log for all other events
- Support i3 Series Smoke Detectors
- 5 Amp Power Supply
- Optional modules for additional internal relay circuits and City Tie/Polarity Reversal
- Optional trim ring for semi-flush mounting



S7010



7165-1477:129
7165-1477:157

MEA
approved

313-97-E

Features

Initiating Circuits

The FA-300 Series panels are equipped with Class “B” (Style “B”) initiating circuits with individual disconnect buttons. The initiating circuits may be configured as Class “A” (Style “D”) using an ICAC-306 Class “A” converter adder module. Each initiating circuit has two LEDs; one dual colour (Red/Amber) for Alarm and Supervisory and one Trouble LED (Amber).

Each initiating circuit may be configured for one of the following modes of operation:

- Alarm (Without smoke detector verification)
- Verified Alarm (With smoke detector verification)
- Waterflow Alarm (Water flow sensors)
- Sprinkler Alarm (Sprinkler flow sensors)
- Latching Supervisory
- Non-Latching Supervisory
- Monitor (non-latching input used mainly for correlating to a relay circuit)
- Trouble-Only (for monitoring a trouble condition from an external device)

i3 Series Protocol

The FA-300 Series panels have the i3 Series protocol built-in. The panels support the two-wire i3 Series smoke detectors (2W-B/2WT-B). These i3 series detectors communicate with the FA-300 to provide the following status information:

Open circuit trouble

This trouble indicates that loop is broken.

Communication trouble

This trouble indicates that there is a fault in the line or the line is too noisy, the panel cannot communicate with the devices.

Dirty device

The devices on the i3 zone are dirty.

Out of sensitivity

The devices on the i3 zone is out of sensitivity and cannot detect an alarm condition.

Freeze trouble

The device has detected a freeze condition, e.g. the temperature is below 41°F / 5 °C (available only on model 2WT-B))

The built-in protocol removes the need for the 2W-MOD Maintenance Module.

Indicating Circuits

The FA-300 Series panels are equipped with Class “B” (Style “B”) indicating circuits with individual disconnect buttons. The indicating circuits may be configured as Class “A” (Style “Z”) using an OCAC-304 or OCAC-302 Class “A” signal converter adder module. Each indicating circuits has an individual trouble LED (Amber).

The audible signals may be configured for Steady, Temporal Code, California Code and March Time.

Each of the indicating circuits may be configured for one of the following modes of operation:

- Silenceable Signal
- Non-Silenceable Signal
- Silenceable Strobe
- Non-Sileneceable Strobe

The FA-300 has built-in sync protocols for the following strobe manufacturers; Mircom, Amseco, System Sensor, Gentex, Faraday and Wheelock.

UDACT/Digital Communicator

Select FA-300 Series panels are equipped with a fully integrated UDACT/Digital Communicator which allows for the reporting of events to a monitoring facility. The UDACT/Digital Communicator can be configured for single or dual line operation and uses the Security Industry Association (SIA) and Ademco Contact ID protocols. The UDACT/Digital Communicator is configured via the main display and keypad on the main panel.

In addition to its reporting functions, the integrated UDACT/Digital Communicator can be used to connect to the FA-300 panel from remote computers for uploading and downloading of configuration data. It also allows for the viewing of the event history logs. The FA-300 series panels have two event history logs comprised of a 200 event alarm log for alarm related events and a 200 event general log for all other events.

The integrated UDACT/Digital Communicator can be configured for either DACT or UDACT operation. In DACT mode the Digital Communicator reports common alarm, trouble and supervisory information. In UDACT mode the Digital Communicator reports point specific information.

FA-300 Series LED Version Models



FA-301-8LR / FA-301-8LDR Eight Zone LED Display Fire Alarm Control Panels

The FA-301-8LR and FA-301-8LDR are equipped with eight Class "B" (Style "B") initiating circuits and four Class "B" (Style "Y") indicating circuits rated @ 1.7 Amps maximum. (Total of 5 Amps) The FA-301-8LDR is equipped with a built-in UDACT/Digital Communicator. Two ICAC-306 Six Initiating Circuit Class "A" Converter Modules may be used for Class "A" (Style "D") wiring of the initiating circuits. One OCAC-304 Four Indicating Circuit Class "A" Converter Module may be used for Class "A" (Style "Z") wiring of the indicating circuits. The FA-301-8LR and FA-301-8LDR are configurable by the keypad (using the CFG-300 Configuration Tool) for onsite programming or by a PC for both onsite and remote programming. The cabinet will support up to 12 AH batteries. The panels can be semi-flush mounted with the optional FA-UNIV-TRB trim ring.

Dimensions

FA-301-8LR: 26"H x 14.5"W x 4.5"D
FA-301-8LDR: 26"H x 14.5"W x 4.5"D
FA-UNIV-TRB: 28.5"H x 17"W



FA-301-12LR / FA-301-12LDR Twelve Zone LED Display Fire Alarm Control Panels

The FA-301-12LR and FA-301-12LDR are equipped with twelve Class "B" (Style "B") initiating circuits and four Class "B" (Style "Y") indicating circuits rated @ 1.7 Amps maximum. (Total of 5 Amps) The FA-301-12LDR is equipped with a built-in UDACT/Digital Communicator. Two ICAC-306 Six Initiating Circuit Class "A" Converter Modules may be used for Class "A" (Style "D") wiring of the initiating circuits. One OCAC-304 Four Indicating Circuit Class "A" Converter Module may be used for Class "A" (Style "Z") wiring of the indicating circuits. The FA-301-12LR and FA-301-12LDR are configurable by the keypad (using the CFG-300 Configuration Tool) for onsite programming or by a PC for both onsite and remote programming. The cabinet will support up to 12 AH batteries. The panels can be semi-flush mounted with the optional FA-UNIV-TRB trim ring.

Dimensions

FA-301-12LR: 26"H x 14.5"W x 4.5"D
FA-301-12LDR: 26"H x 14.5"W x 4.5"D
FA-UNIV-TRB: 28.5"H x 17"W