



## Description

The Mircom FA-106 panel is designed for fire alarm systems in small commercial, institutional and industrial occupancies. A slim-line design and a white exterior colour offer unobtrusive appearance to compliment any exterior.

The FA-106 includes one circuit board providing all the essentials for a complete fire alarm system. Six Class 'B' Input circuits and two Class 'B' Output circuits (2.0 Amps, 1.25 maximum per circuit) are provided by the FA-106. The Output circuits are protected from shorts by self-restoring circuitry.

The FA-106 is equipped with supervision for ground fault detection, battery low level or open wire fault, Input and Output circuit wiring faults and loss of A.C. power. The initiating circuits are supervised for opens and ground faults. The FA-106 has LED indicators for Zone Alarm, Zone Trouble, A.C. On, Battery Fault, Ground Fault, Common Trouble, Signal Trouble and Signal Silences and buttons for Zone Disconnect/ Silence, Buzzer Silence and Reset.

## Features

- Six Class 'B' Input circuits
- Two Class 'B' Output circuit (2.0Amps)
- Meets latest ULC S-527-2011 Standard
- Signal Silence
- Audible tones are DIP Switch selectable for Steady and Temporal Code
- Powerful 3 mA capacity per zone for 2-wire smoke detectors
- Common alarm Relay contact, Form C, 28 VDC @ 3 AMP (Resistive)
- Common trouble Relay contact, Form C, 28 VDC @ 3 Amp (Resistive)
- A.C. ON LED (Green)
- Zone Alarm LED (Amber)
- Signal Trouble LED (Amber)
- Ground Fault LED (Amber)
- Battery Fault LED (Amber)
- Alarm Silenced LED (Amber)
- Common Trouble LED & Silence button
- Remote Trouble Indicator output
- Selectable 1 minute Signal silence inhibit
- Extensive Transient Protection on all circuits
- White or Red exterior colours
- All circuits are power limited
- Fully regulated 24 VDC Auxiliary Power, 250mA maximum
- All configurations performed by DIP switch

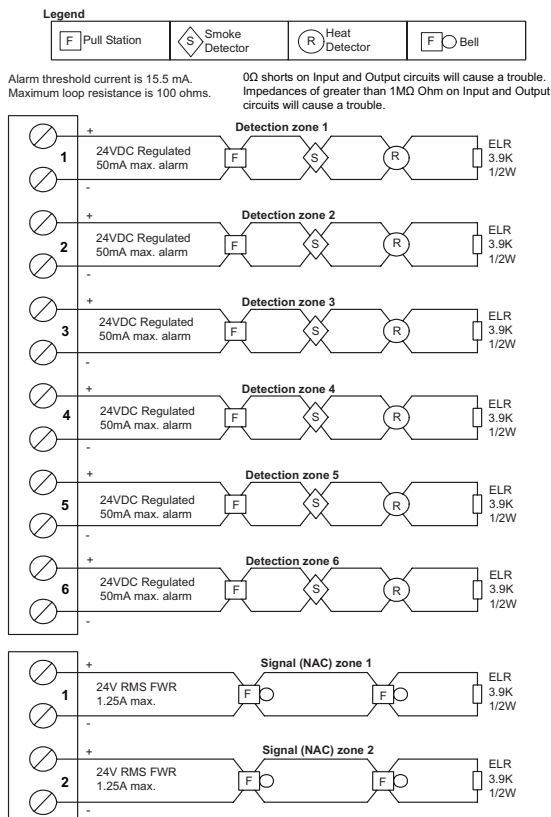
The FA-106 has selectable audible tones which can be configured via DIP for Steady and Temporal Code. The panel also includes a common alarm relay which is configurable (via DIP switch) to follow the signal circuit or lock on until the Alarm has been reset.

The cabinet is available in white or red colour and the Fire Retardant Lexan Window in the hinged door allows for viewing of the status LEDs. It comes with a durable CAT-30 lock and key. Space is provided for 5 to 7.0 AH batteries.

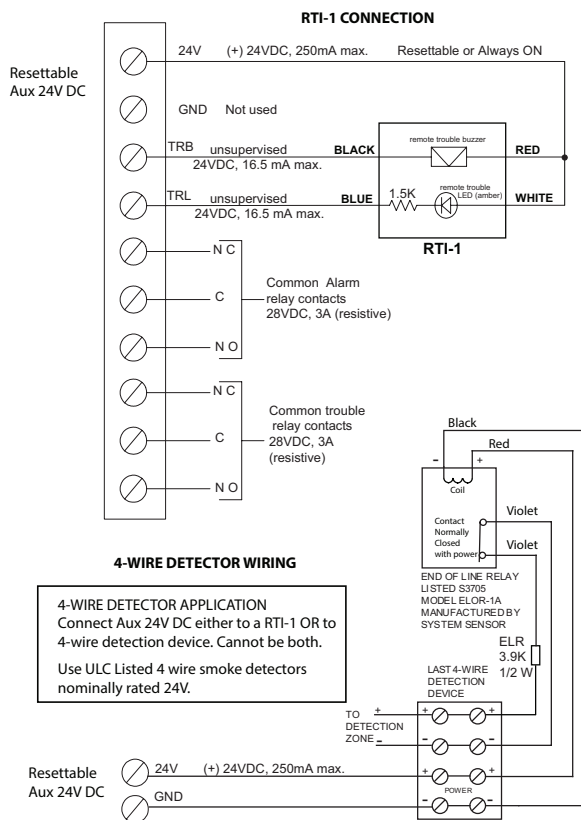


## Wiring Diagrams

### Input and Output Circuits Wiring Diagram



### Alarm and trouble relay contacts Diagram



## Technical Specifications

| Input Circuits       | Description                                           |
|----------------------|-------------------------------------------------------|
| Output Voltage       | 24 VDC, fully regulated                               |
| Current Limited      | 50 mA                                                 |
| Supervisory Current  | 3 mA (up to 30, 2-wire smoke detectors @ 100 uA each) |
| Loop Resistance      | 100 ohms, max                                         |
| End of Line Resistor | 3.9Kohm ± 5%, 1/2W                                    |

| Output Circuits      | Description                                       |
|----------------------|---------------------------------------------------|
| Output Voltage       | 24 VDC (FWR)                                      |
| Output Current       | 2.0A (1.25A max per circuit)                      |
| End of Line Resistor | 3.9Kohm ±5%, 1/2W                                 |
| Auxiliary Contacts   | 28 VDC, 3A (Resistive)                            |
| Auxiliary Power      | 250mA                                             |
| Dimensions           | 13.7" (347mm) W x 12.7" (322mm) H x 2.8" (71mm) D |

## Ordering Information

| Model     | Description                                                       |
|-----------|-------------------------------------------------------------------|
| FA-106    | Six Zone Fire Alarm Unit, White Door                              |
| FA-106R   | Six Zone Fire Alarm, Red Door                                     |
| RTI-1     | Remote Trouble indicator mounts onto a single gang electrical box |
| FA-102TR  | Flush Trim Ring                                                   |
| BAT-12V5A | 5AH Battery                                                       |
| BAT-12V7A | 7AH Battery                                                       |

NOT TO BE USED FOR INSTALLATION PURPOSES.



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CAT. 5005  
Rev.1