



Firewatcher Panel 106

FW106



DESCRIPTION

FireWatcher FW1 is an addressable Fire Alarm Control Panel designed for small to medium-scale facilities. It is ideally suited for both new and retrofit commercial, institutional, and industrial fire detection and notification applications. FireWatcher FW1 is a state-of-the-art addressable fire control system that meets the requirements of UL864 10th edition, and ULC S527. It can support 1 addressable Loop Signalling Line Circuits and 252 addressable devices/points, with 4 Notification Appliance Circuits and 4 form C dry relay contacts. The FW1 has a 7" LCD with 800 X 480 resolution, 6 auxiliary function keys and 9 LED indicators making it a highly intuitive fire alarm user interface. It can also be connected to 109 remote annunciators via an external network to form a fire emergency detection and notification network system.

ATTENTION



Products must be installed in accordance with the National Fire Alarm Code, NFPA 72, CAN / ULC-S524 and / or National Electrical Code, depending on the country of installation. Check information on equipment used in the system from other manufacturers for instructions and restrictions. The detector should never be installed in the following places: where there is a lot of exhaust gas, kitchens, near fireplaces, boilers, etc. Smoke detectors should not be used with detector guards unless the suit has been evaluated and approved for this case.

NOTE

Do not paint this unit. Any material extrapolated from this document or Maple Armor's instructions or other materials describing the product for promotional or advertising purposes, or for any other purpose, including the description of the application, the use, installation and testing of the product is the sole responsibility of the user. Maple Armor assumes no responsibility for the use. In no event shall Maple Armor's liability exceed the purchase price of the product.

The Firewatcher 106 panel must be wall mounted to ULC standards.

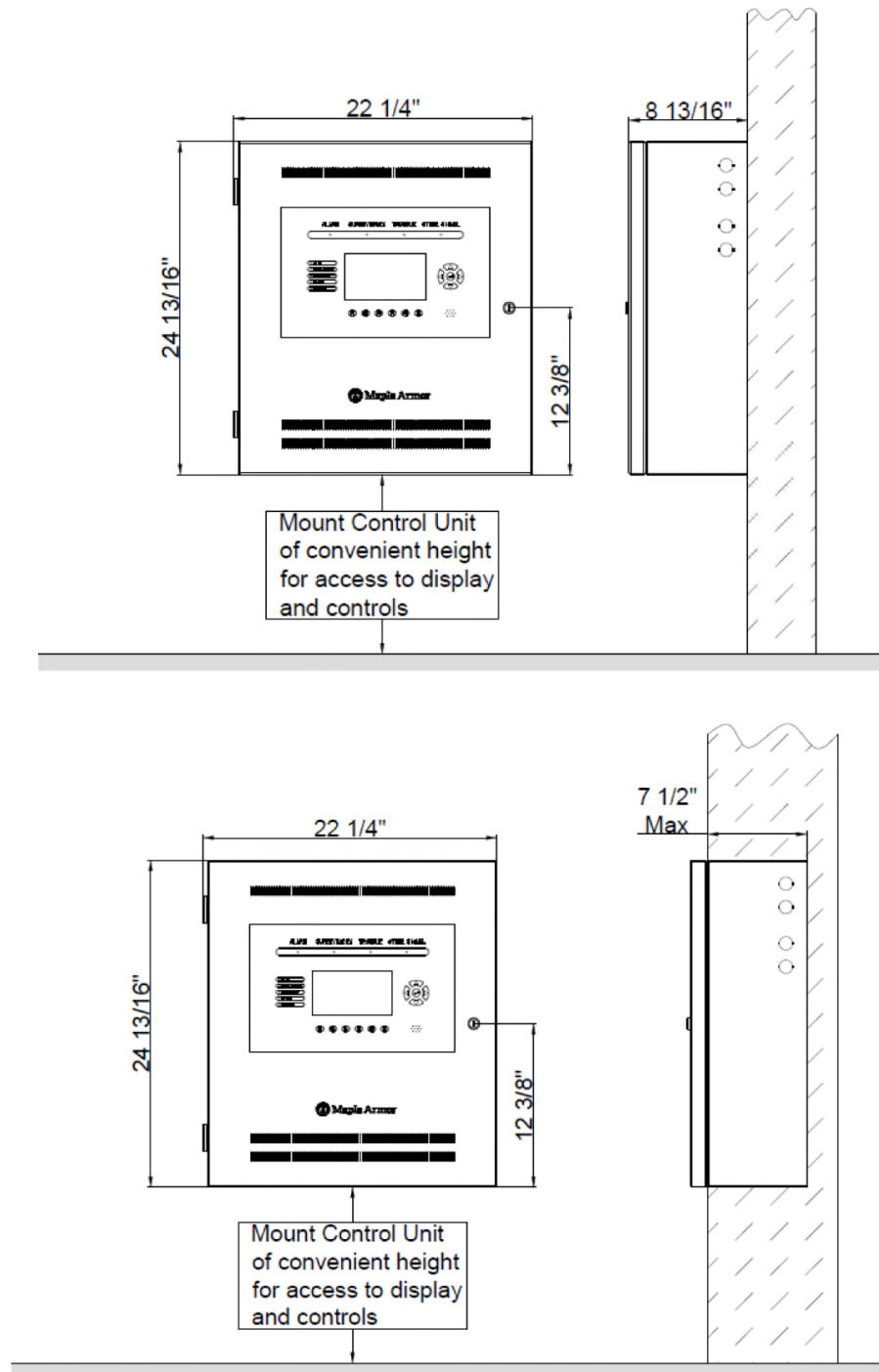


Figure 12 FW106/FW106C Enclosure Mounting Size

General	Digital signal processor-based design, fully configurable from front panel with password protection
Environmental	"Operating temperature - 32 - 120°F (0-49°C) Relative humidity - Up to 93% @ 90° F (32°C) To be installed in normal dry indoor environment only
Primary Supply	"110 - 120 VAC 50Hz/60Hz (3A), or 220 - 240 VAC 50Hz/60H (1.5A)"
Secondary Power Supply	Charging capacity: 42AH
Power Outputs	"Internal power supply for - AMI User interface / display; - ALUs Addressable Loop Circuits; - NOUs Notification Appliance Circuits; - XNUs External Network Circuits; - ROUs Relay Output Circuit; One auxiliary power supply - Non-Resettable/Resettable Power Output (configurable); - Power limited; - 24 VDC 1.2 Amps - Output current: 500 mA in normal standby, 1200 mA in alarm. "
Relay Outputs	"One programmable relay 4 non-programmable status relays Status: Alarm, Supervisory, Trouble, Monitor Form C contact Contact rating: 2A 30 VDC."
Remote Com Circuits	"Supports 109 annunciators & panels Class B Supervised wiring"
Notification Appliance Circuits	"Class A/ Class B circuit Bell code: ANSI Temporal 4 + 4 circuits per panel 2 Amp per NAC Supervised wiring Synchronized Outputs"
Addressable Loop Circuits	"Maximum Current (Short): 0.4A Class A/ Class B circuit 252 addresses: detectors and modules max Output voltage range: 20.4V - 28V Normal standby current: 100mA / Alarm current: 220mA Up to 4 loops per panel!"

Modèle	Description
FW106R-1	Panel ULC 1 loop 252 pts red english
FW106CR-1	Panel ULC 1 loop 252 pts red french
FW106G-1	Panel ULC 1 loop 252 pts Silver english
FW106CG-1	Panel ULC 1 loop 252 pts Silver french
FW327	Adressable loop controler
FW337	Nac signal card 2 circuits class A or B 2 AMP. /circuits
FW347	Relay card and fire departement relay
FW357	Network card class B
FW391	Power supply & transformer
FW397	Power supply & charger
FW431	Panel flush trim
PS1272	Battery 12V 7.2 AH
PS12120	Battery 12V 12 AH
PS12180	Battery 12V 18 AH
PS12420	Battery 12V 42 AH
EOL-CW	End of line resistor