# POTTER
*The Symbol of Protection*

## Features

- Supports single and dual channel applications
- Flexible programming
- Up to 2 hours of message storage
- Up to 255 customizable audio patterns
- Internal message library of predefined messages and tones
- Ability to record and import message files from a laptop
- Expandable up to 104 programmable push buttons for speaker and ECS assignment
- User push buttons for All Call,
- A supervised auxiliary input to interface with low-level audio sources
- Background Music
- Connect up to 10 SCA (single channel) or DCA (dual channel) amplifiers
- Interface with LOC-1000 (Local Operator Console) to control the system from remote areas.
- Optional Fire Fighters Telephone system
- All features of the AFC-1000 included

## Description

The AFC-1000V is an enhanced version of the AFC-1000 addressable fire alarm system, now with voice integration. The panel features all pre-existing fire highlights and shares new innovative voice functionalities to provide reliability and safety with the panel. The panel introduces the VM-1000 voice module and digital message repeater to deliver audio to designated remote amplifiers. The VM-1000 contains two V-Link channels (audio riser outputs) to support single and dual channel amplifiers. The voice module also includes a supervised low level auxiliary input to interface with external audio sources and supports applications requiring background music. The AFC-1000V is equipped with an ECS user interface providing 8 programmable push buttons for speaker and ECS zone assignment, LED indicators to display activity and trouble conditions, and common user function buttons for All Call and CTRL.

The optional SB-24 (Switch Board w/24 Programmable Switches) will offer 24 additional programmable push buttons. A maximum of four (4) SB-24's can be installed, offering up to 96 programmable push buttons.

The AFC-1000V can link up to ten (10) SCA (single channel amplifier) or DCA (dual channel amplifier) amplifiers, thirty (30) LOC-1000 (local operator console) and one (1) FFT-1000 (Firefighter Telephone System).

The Potter Panel Programmer introduces Audio Patterns which allows users to select and create audio files easily and effectively from the user's laptop. The programmer offers an internal library of predefined message and tones for common emergency conditions. Audio Patterns provides the ability to conveniently record and import audio files directly from a laptop.

## Technical Specifications

| | |
|---|---|
| Dimensions | 21 3/8"W x 29 1/8"H x 4 7/8"D |
| AC Mains | 5.0 Amps @ 120 VAC 50/60 HZ<br>3.0 Amps @ 240 VAC 50/60 HZ |
| Enclosure | 16 gauge cold rolled steel with removable locked door with Lexan viewing window |
| Battery | Standby Current-130 mA<br>Alarm Current-220 mA<br>• 10 Amps power for NACs, I/O, and P-Link<br>• 3 Amps per NAC, regulated<br>• 1 Amp per I/O circuit, regulated<br>• Battery Charger range 8-55 Ah<br>• Battery Charger voltage 27.3 VDC<br>• P-Link maximum current of 1 Amp |
| Temperature and Humidity Range | 32° to 120° (0°C to 49°C) with a maximum humidity of 93% non-condensing. |

## Voice Accessory

**SB-24** – Switch bank with 24 programmable push buttons. Maximum of 4 SB-24s.

## Voice Interface

The AFC-1000V panel incorporates a SB-8 user interface to specifically display ECS system status. The panel is shipped with the following LEDs:

* Ready to Page
* Trouble
* Control Requested
* Remotely Controlled
* Locally Controlled

The common push buttons include All Call, Reset and Ctrl.

## P-Link

The AFC-1000V has a proprietary communication protocol that communicates through a RS-485 connection to field devices. Up to 64 devices may be connected to a single P-Link connection. The P-Link includes the communication terminals and regulated 24 VDC connection for the field devices. The field devices may be any of the following:

**SCA-2525** – Single channel, 25W, 25V amplifier

**SCA-2570** - Single Channel, 25W, 25V or 70V selectable amplifier

**SCA-5025** - Single channel, 50W, 25V amplifier

**SCA-5070** - Single Channel, 50W, 25V or 70V selectable amplifier

**SCA-10070** - Single Channel, 100W, 25V or 70V selectable amplifier

**DCA-5025** - Dual channel, 50W, 25V amplifier

**DCA-10025** - Dual channel, 100W, 25V amplifier

**LOC-1000** – Local operator console

**FFT-1000** – Fire fighter telephone system

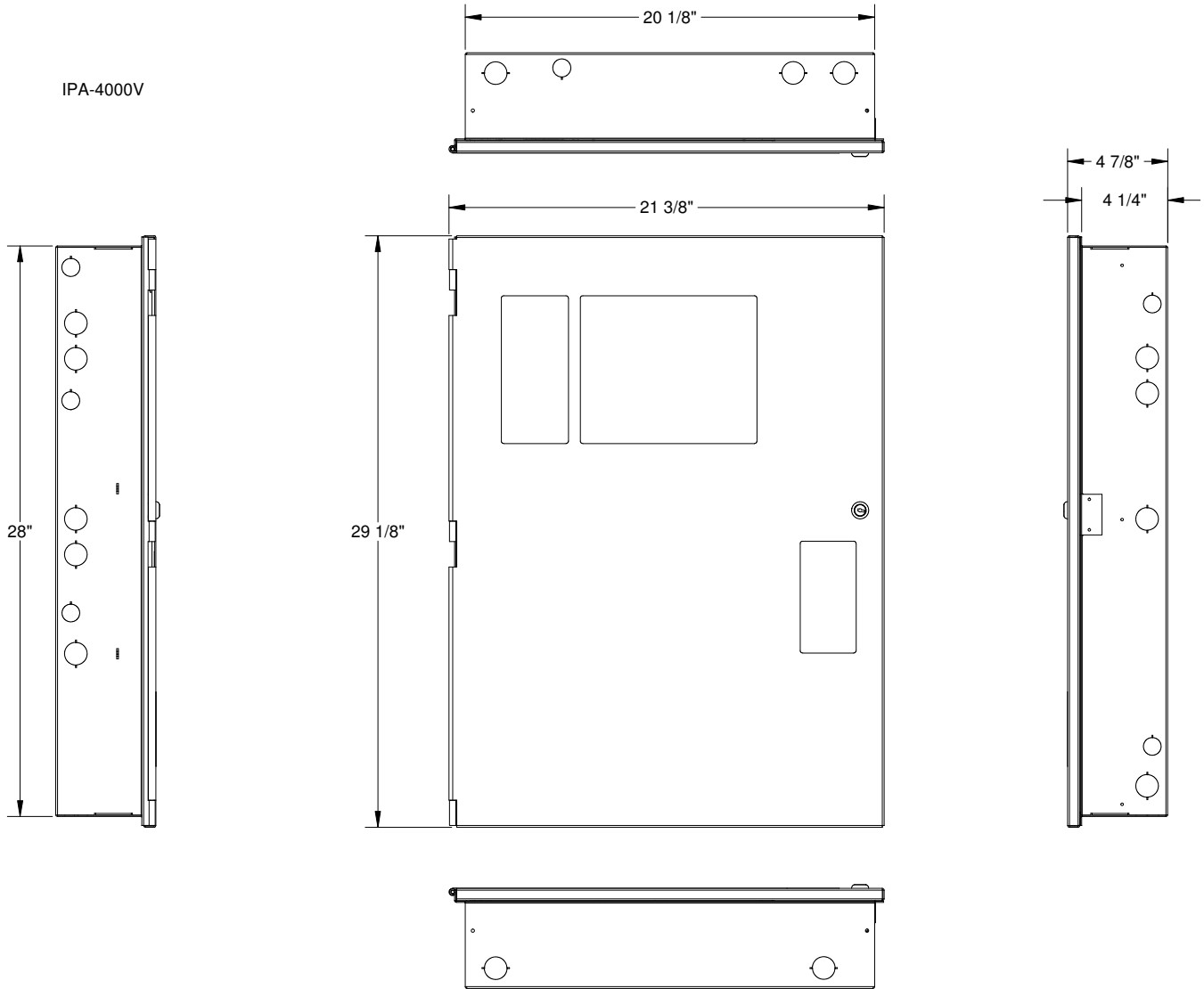FFT-1000R - Firefighter's Telephone System, Right Hinge Door

FFT-1000L - Firefighter's Telephone System, Left Hinge Door

## Ethernet/I.P. Connection

The IPA-4000 is shipped standard with an Ethernet connection. This connection is the programming port and may be connected to a building Wide Area Network (WAN) or Local Area Network(LAN). Once connected to the Internet, the panel may be selectively programmed to e-mail alarm conditions, trouble conditions, supervisory conditions, test, Event History and detector status. An e-mail may be sent to the panel and the panel will e-mail the event history, detector status, configuration file or server status to an authorized E-mail account. In addition, reminders may be set to send an e-mail for service, testing or other conditions.

In addition, the Ethernet connection is UL listed as an IP communicator. The IP communicator is listed to report to the UL listed Sur-Gard III IP receiver. The IP communicator replaces the traditional less reliable alarm communicator transmitter that utilized telephone lines. The IP communicator is an active method of connection and communication to the monitoring station.

## Dimensions

IPA-4000V

20 1/8"

21 3/8"

4 7/8"

4 1/4"

28"

29 1/8"

## Ordering Information

| Model | Description | Stock No. |
|---|---|---|
| AFC-1000V | Integrated Voice Fire Alarm Panel | 3520670 |