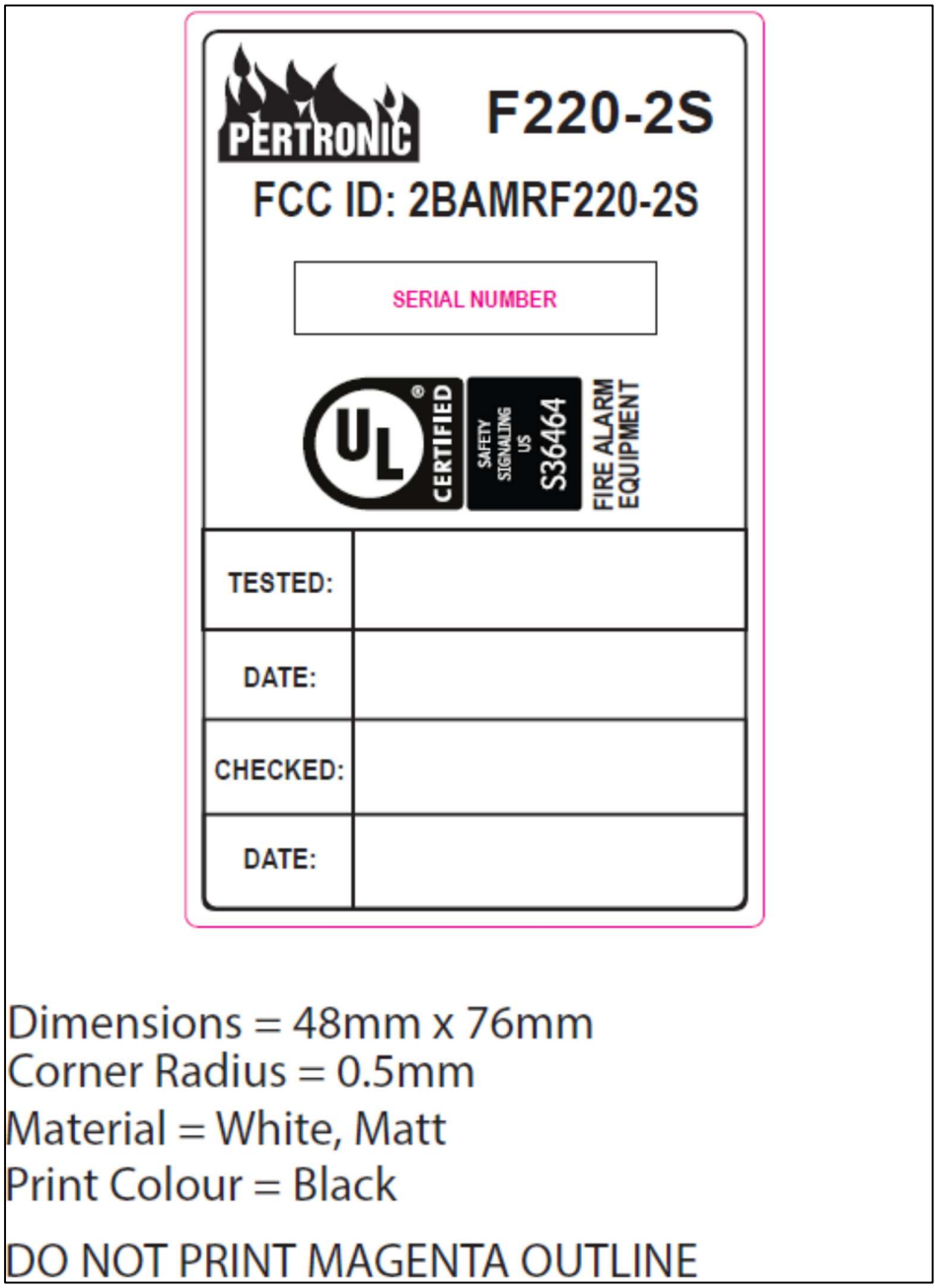
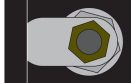
6. EUT SYSTEM LABELS

6.1. Label Graphics

The following label graphics are draft.

Figure 2. F220-2S factory-printed label





F220 FIRE ALARM CONTROL PANEL OPERATING INSTRUCTIONS

Normal – All LEDs off, except for the green AC Power LED. LCD displays **System Normal** and green bands.
Alarm – Fire LED is flashing red, and evacuation sounders and strobes will be operating. Evacuate the protected area. Notify the monitoring service and/or the Fire Department immediately.
The upper half of the LCD will display First Alarm information between red bands and the red Alarm List indicator will be on.
The yellow Ack indicator will be flashing. If a second alarm occurs then this information will appear in the 2nd Alarm area in the lower half of the LCD.
Three or more alarms will cause the red Multiple Alarms indicator to flash. Pressing Next or Previous buttons will scroll through alarm location information on the lower half of the LCD.
Alarm Acknowledge – Press Ack to acknowledge all alarms. The yellow Ack indicator will turn solid on (i.e., no longer flashing).
Acknowledging all alarms will silence buzzers on panels and annunciators. Evacuation sounders and strobes will continue to operate.
Alarm Silence – Press the Silence Alarm key to silence all alarms. The yellow Silence Alarm indicator will be on.
If a new alarm occurs then silenced devices will resound and the yellow Silence Alarm indicator will turn off.
Pressing Silence Alarm whilst alarms are already silenced will reactivate the sounders and strobes, and turn off the Silence Alarm indicator.
Alarm Reset – Press the Reset key to reset all alarms.
If there are no more alarms then the System Normal state will resume. Pressing Reset will always clear all latched events, including alarms and supervisory events.
Alarm Test – Press the Fire Drill key and the red Fire Drill indicator will turn on and evacuation sounders and strobes will operate.
Press the Fire Drill key again to turn off the Fire Drill function. Sounders and strobes will deactivate, and the red Fire Drill indicator will turn off.
Trouble – The yellow Trouble List indicator will be on, and one or more trouble indicators may be on (System, GND, Power, NAC, SLC).
Press the Trouble List key to see a list of troubles. For further detail, select a trouble in the list with the Up/Down arrow keys.
Trouble Acknowledge – Press Ack to acknowledge all troubles. The yellow Ack indicator will turn solid on (i.e., no longer flashing).
Acknowledging all troubles will silence buzzers on panels and annunciators. The Silence Buzzer indicator will also turn on.
The silenced state will be automatically cleared 24 hours after a trouble if the trouble was not resolved.
Supervisory Events – To view supervisory events when alarms are active, press the OK key. For further detail, select an event in the list with the Up/Down arrow keys.

DO NOT ALLOW TROUBLE CONDITIONS TO REMAIN UNRESOLVED - The protection provided by the F220 system could be compromised if a trouble exists.
In the event of battery trouble, check the battery fuse located inline on the battery cable. Replace only with fast acting 15A 3AG/3AB style fuse.

Recommended maintenance by suitably trained & qualified personnel – Refer to the F220 Automatic Fire Alarm Technical Manual, United States.
Quarterly Visual Inspection of supervisory signal devices, waterflow devices.
Semiannual Visual Inspection of alarm notification devices, VRLA batteries, panel trouble signals, emergency voice/alarm communications equipment, initiating devices, electromechanical releasing devices, remote annunciators, transient suppressors, interface equipment, digital communicator.
Semiannual Testing of VRLA batteries, emergency voice/alarm communications equipment.
Annual Visual Inspection of panel LEDs, interfaced equipment, primary power supply, fiber optic cable connections, all other equipment.
Annual Testing of F220 panel functions & indicators & power supply, interfaced equipment, alarm notification appliances, VRLA batteries, fiber optic cables, trouble signals, electromechanical releasing devices, remote annunciators, digital alarm communicator.
Biannual Testing of smoke detector sensitivities.

LOCAL SERVICE REPRESENTATIVE: _____

LAF220OPIN-UL V1.00

F220 FIRE ALARM CONTROL PANEL

Fire Alarm Equipment, Commercial Protected Premises Control Unit

Local Control Unit System, Central Station (PPU)

Applicable NFPA Standards: When this control panel is installed indoors in a dry location in an ambient air temperature range of 0°C (32°F) to 49°C (120°F) and in accordance with the referenced manual and field wiring diagram, complies with NFPA 70 National Electrical Code & NFPA 72 National Fire Alarm Code. Note: Not suitable for Remote Station Protected Premises Service where separate transmission circuits are required for Fire, Supervisory (when applicable) and Trouble Signals.

Type of Service: Manual Fire Alarm Automatic Fire Alarm & Supervisory, Fire Suppression Monitoring, Actuation of Fire Suppression Systems, Actuation of Emergency Control Functions, Actuation of Fire Alarm Notification Appliances, Automatic Carbon Monoxide Supervisory Signal Initiation, Actuation of Carbon Monoxide Notification Appliances, Actuation of Off-Premises Signals.

Type of Signaling Service: Noncoded, Steady, Temporal 3 Pattern; Performance Based Technologies & Other Transmission Technologies: Class B or X Power-Limited RS 485 Network Communications, Class A or B Fiber Network Communications, Class B Power-Limited Isolated RS 232 Communication to Off-Premises Digital Alarm Radio Transmitter Signaling Device.

Electrical Ratings: 100-132Vac rms. Connect to the branch circuit using 10 - 14AWG copper and a 15A circuit breaker.

This system must be installed, maintained and operated in accordance with the following documents:

- *Pertronic F220 Automatic Fire Alarm Technical Manual, United States (0063 F220 Tech Manual USA V9.04)*
- *Fire UIIs Manual (0522 FireUIIs User Guide V9.04)*

Available at https://dl.pertronic.net/f220resources

WARNING: DE-ENERGIZE UNIT PRIOR TO SERVICING. DISCONNECT AC POWER BEFORE OPENING THE INNER DOOR.

CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. USE ONLY 24V VRLA, AGM OR GEL BATTERY, 7.4Ah CAPACITY. DISPOSE OF USED BATTERIES ACCORDING TO THE LOCAL REGULATIONS.

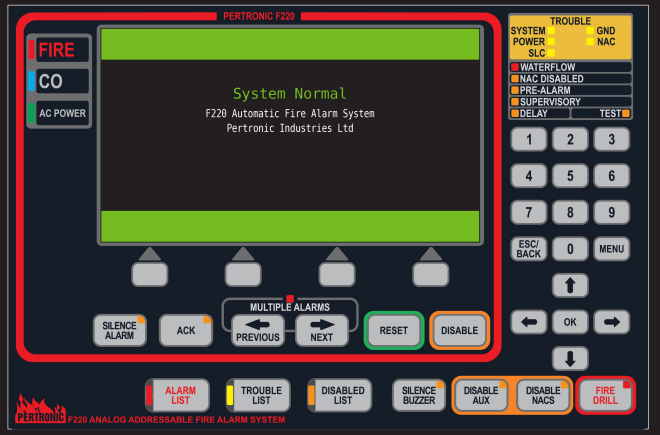
WARNING: THIS UNIT INCLUDES AN ALARM VERIFICATION FEATURE. IF ENABLED, IT WILL RESULT IN UP TO A 60 s DELAY FOR SMOKE ALARM ACTIVATIONS. TURNING ON NOTIFICATION APPLIANCES, AND SENDING SIGNALS TO ANY CONNECTED CENTRAL STATION OR OTHER SERVICES.

Circuit (Zone)	Control Unit Delay, Seconds	Smoke Detector	
		Model	Delay, Seconds

The delay (power-up/start-up) time marked on the installation wiring diagram of the smoke detector or on the installed smoke detector(s) is to be used.

This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

LAF220FACP-UL V1.00

F220-2S
FCC ID: 2BAMRF220-2S
SERIAL NUMBER
UL LISTED PROPRIETARY FIRE ALARM SYSTEM UNITS S3564

TESTED:	
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