GENERAL INFORMATION
The ADEMCO 4204CF Supervised Notification Appliance Module adds up to two Class B (Style Y) Supervised Notification Appliance Outputs to compatible ADEMCO Control Panels (for more information on Style Y, see NFPA-72 National Fire Alarm Code Chapter 3: Protected Premises Fire Alarm Systems). Refer to your Control Panel’s installation instructions to determine if it supports this module. Each output is supervised using an EOL20 2K resistor (two resistors supplied).

UL
For UL Commercial Fire installations, only one notification appliance module may be used, and only one notification appliance output (A or B) may be used on that module.

Each appliance output is rated at 1.2A max. You can power these outputs from the control panel or from a supplementary regulated UL Commercial Fire Alarm (power limited) power supply rated at 8-30VDC.

The 4204CF has a built-in cover tamper switch, which allows it to detect and report the removal of its cover to the Control Panel.

INSTALLATION
Mounting
• For dry, indoor use only. Do not install in air-handling spaces.
• For all fire (NFPA) and UL Commercial Burglary installations, the 4204CF must be tamper protected or mounted in a tamper-protected cabinet.

For fire alarm installations, mount the 4204CF inside a UL864 listed cabinet such as the control’s cabinet. Cover tamper supervision is not required; to disable tamper supervision, set DIP switch Position 1 to the OFF position.

1. Cover tamper supervision is not supported by all control panels. For other (i.e., non-fire alarm) installations, a separate enclosure is not required. Mount the 4204CF directly on a surface using the slotted holes located on the back of its housing (mounting screws provided). Feed the wires through the slot on the side or through the breakout located on the back of the housing. Cover tamper supervision can be used, if supported by the control panel.

2. Affix the connections level (provided) to the inside of the 4204CF’s cover.

REFER TO THE INSTALLATION INSTRUCTIONS FOR THE CONTROL WITH WHICH THIS DEVICE IS USED FOR DETAILS REGARDING THE ENTIRE ALARM SYSTEM.

Connections and Settings
Select and set an address for the 4204CF using its DIP switch settings as shown in Diagram 1. Assign a unique address to the 4204CF so that the control can communicate with it. Refer to the control’s installation instructions to determine which address or range of addresses to use.

UL
• For UL commercial and household fire installations, no more than one wire per terminal may be connected.
• Use only 14-22AWG wire.

Make connections to the control’s keypad wiring by using the 4-position terminal block TB1, or the 4-pin plug (plug cable provided). Make connections to the Notification Appliance Power input and outputs via the module’s 12-position terminal block (TB2). Refer to Diagrams 2, 3, and 4.

1. Only relay 1 (Output A) and relay 3 (Output B) may be programmed for activation. Refer to the control’s Installation Instructions for programming output activation and supervision options.

2. When programming 4204CF output activation options in the control panel, outputs must not be programmed to “Close for 2 Seconds.” Any other option may be used, but do not program the relay to “Stop” in less than 10 seconds.

SPECIFICATIONS
Physical: 6-7/16” W x 4-1/4” H x 1-1/4” D (163mm x 108mm x 32mm)
Electrical:
+12V Input
Input Voltage: 12VDC nominal (10-14VDC)
Input Current: 25mA + 80mA per active output

Notification Appliance Power Input
Input Voltage: 12VDC or 24VDC
Input Current: 0mA when both outputs inactive. Up to 2.4A when both outputs are active.

Notification Appliance Outputs
Output Voltage: Supplied by notification appliance power input
Output Current: Each output must be limited to 1.2A max
Miscellaneous: Outputs are supervised (Style Y) using an EOL20 2K resistor and are power limited.

A sync module must be used in conjunction with the notification appliances connected to the 4204CF module. For a complete list of approved notification appliances, and sync modules, see the installation instructions for the commercial fire compliant control panel used with this device.

NFPA-72 Compliant
WARRANTY
For the latest warranty information, please go to: http://www.security.honeywell.com/hsc/resources/wa/index.html

Diagram 1. SETTINGS AND CONNECTIONS
For UL Commercial Fire Installations, only one Notification Appliance Module may be used, and only one Notification Appliance output (A or B) may be used on that module.

Special Applications Circuits

All power-limited wiring must be separated from non-power-limited and high-voltage wiring by 1/4” (6.4mm).

All circuits are supervised and power-limited when powered by the control panel.

NFPA-72 Compliant.

Diagram 2. Module and Notification Appliances Powered From Control

Refer to control’s installation instructions for the Max combined length of all wire runs that can be connected to the control.

For fire alarm installations, control must be programmed to supervise wiring when the 4204CF is mounted more than 3 feet from the control or from the supplementary power supply.

All power-limited wiring must be separated from non-power-limited and high-voltage wiring by 1/4” (6.4mm).

All circuits are supervised and power-limited when powered by the control panel.

NFPA-72 Compliant.

Diagram 3. Module Powered From Control, Notification Appliances Powered From Supplementary Supply

Use regulated, UL Commercial Fire Alarm Power Supply rated for 12 VDC only.

Power for module and notification appliances. Mount the 4204CF within 3 feet of the power supply. Run wires in conduit.

Special Applications Circuit

Notification Appliance Output B 12VDC

Diagram 4. Module and Notification Appliances Powered From Supplementary Power Supply