

Installation and Setup Guide

GENERAL INFORMATION

The ADEMCO 4204CF Supervised Notification Appliance Module adds up to two Class B (Style Y) Supervised Notification Appliance Outputs to compatible 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).

U_L

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 (NFFA) 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 supervision is not required; to disable tamper supervision, set DIP switch Position 1 to the ON position.

CUL

For supplementary use only when used in ULC commercial fire installations

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.

NOTE: The maintenance instructions shall detail all test and maintenance instruction codes and software necessary to provide test and inspection requirements of CAN/ULC-S536, Standard for the Inspection and Testing of Fire Alarm Systems.

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.

U_L

- 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 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:
www.resideo.com

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

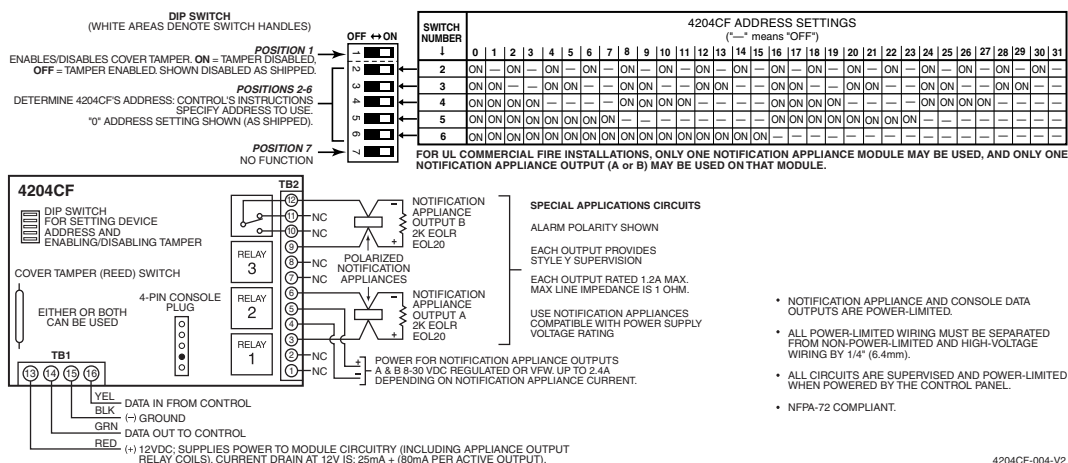


Figure 1. Settings and Connections

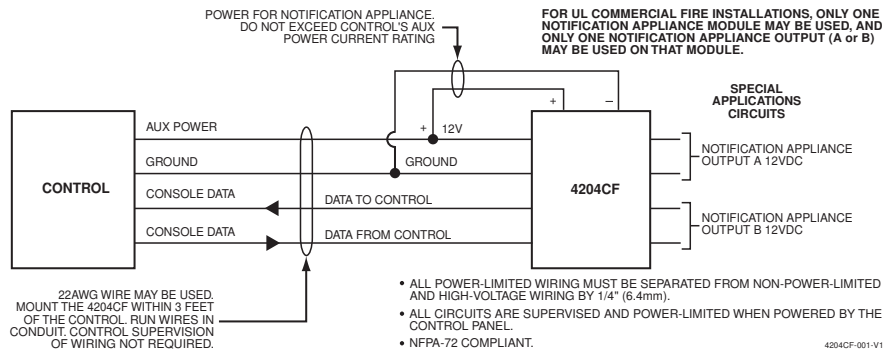


Figure 2. Module and Notification Appliances Powered from Control

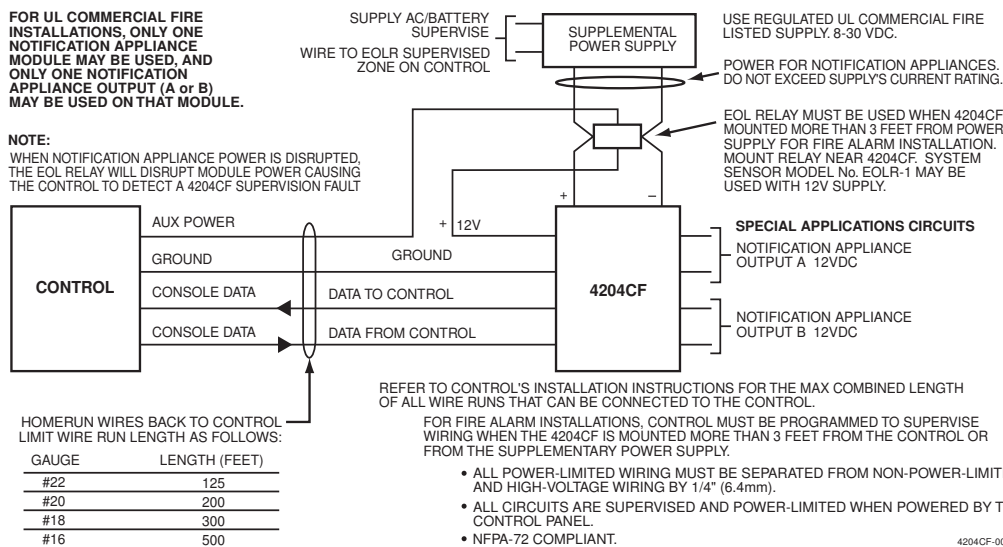


Figure 3. Module Powered from Control, Notification Appliances Powered from Supplementary Supply

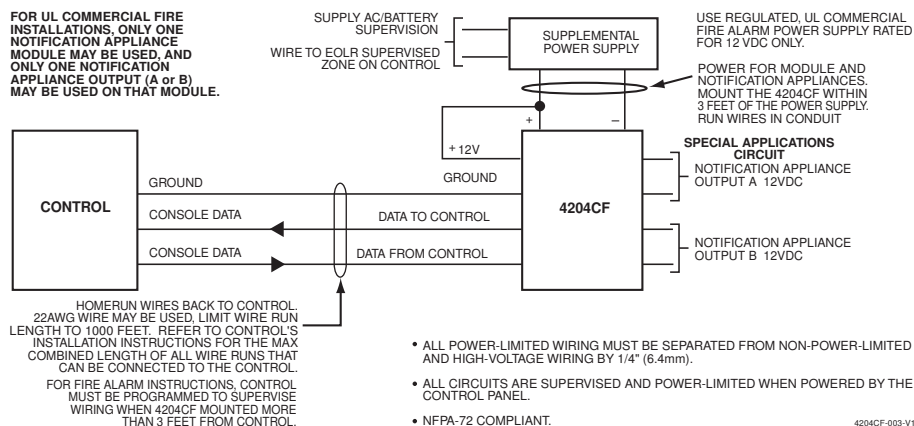


Figure 4. Module and Notification Appliances Powered from Supplementary Power Supply

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The product should not be disposed of with other household waste. Check for the nearest authorized collection centers or authorized recyclers. The correct disposal of end-of-life equipment will help prevent potential negative consequences for the environment and human health.

Any attempt to reverse-engineer this device by decoding proprietary protocols, de-compiling firmware, or any similar actions is strictly prohibited.

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