

INSTALLATION INSTRUCTIONS AND WIRING FOR CONTROL MODULE P/N 8706

The 8706 Control Module interfaces polarity reversal type of notification appliances to an Addressable Device Circuit of a compatible Faraday Fire Alarm Control Panel.

The 8706 supports Style Y (Class B) or Style Z (Class A) Notification Appliance Circuit wiring. Each module uses one address on the Addressable Device Circuit. It does not require any mechanical address programming. Use the 8720 Programmer/Tester to program and test the module. Up to sixty 8706s can connect to each Addressable Device Circuit. These modules must be connected to the first 60 addresses on the Addressable Device Circuit.

The power input for each 8706 comes from an auxiliary power supply or NAC on the MPC panels which must be power limited and UL listed for fire protective signaling use. The 8706 maximum current is 1.5A at 24 VDC.

PROGRAMMING INSTRUCTIONS

CAUTION:

1. To prevent damage to the device programmer or the module, disconnect wire from terminals 1 and 2 on TB1 of the 8706 before connecting to the 8720.
2. Only one device may be connected to the 8720 at a time.

1. Plug the programming cable of the Faraday 8720 Programmer/Tester into the two-pin receptacle on the module. (See wiring diagram for location.)

2. Set the system address for the module by following the instructions in the 8720 Programmer/Tester Manual, P/N 315-033260FA.
3. If the 8720 has been configured for label printing, apply the label on or near the module in a location in which it will be clearly visible. For information on printing labels, see the User Instructions for the 8720 Device Programmer, P/N 315-033260FA. The module can now be installed and wired to the system.

MOUNTING

**The 8706 must be installed in a
UL Listed electrical box.**

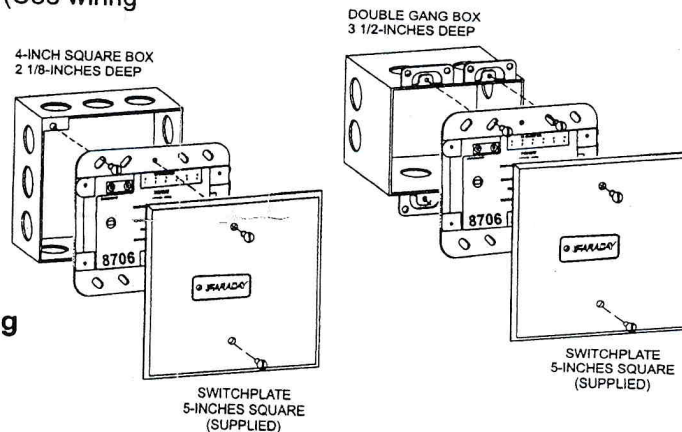
1. Use a 3 1/2-inch deep, double gang electrical switchbox or a 4-inch square electrical box that is 2 1/2 inches deep with either a 1 1/2-inch deep extension or a 1 1/4-inch deep plaster ring extension.
2. Connect the field wiring. Insert the module into the box and fasten the module and switchplate to the box.

WIRING

**Remove all system power before installation, first battery and then AC.
(To power up, connect AC first then battery.)**

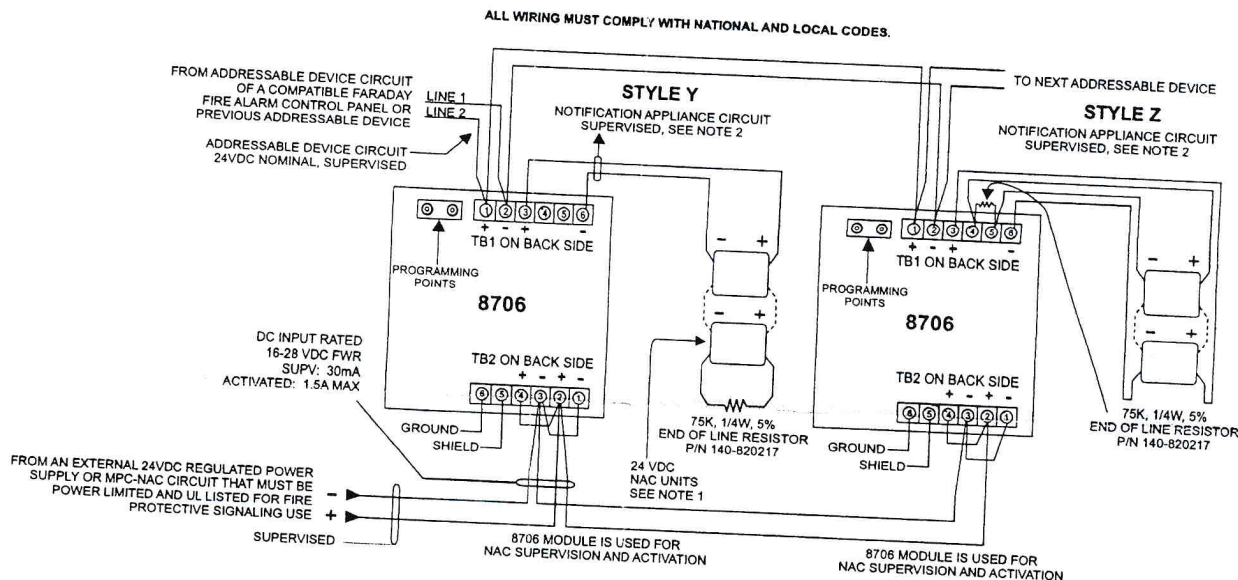
Refer to Figure 2 to wire the control module for notification appliance circuit wiring.

**Figure 1
8706 Mounting**



FARADAY

Siemens Building Technologies, Inc.
8 Fernwood Road • Florham Park, NJ 07932
Tel: (973) 593-2600 • Fax: (973) 593-6670
Web: www.faradayfirealarms.com



When connected to NAC of MPC panel, the NAC must be configured as "Always ON."
 The input power and NAC power inputs on TB2 (1-4) MUST be connected to the same source.

Figure 2
8706 Wiring

NOTES:

1. For a list of compatible notification appliances, refer to the MPC-6000/MPC-7000/RND-2 Installation, Operation and Maintenance Manual, P/N 315-447309, revision 6 or higher.
2. Notification Appliance Circuit ratings:
 Style Z, Class A or Style Y, Class B
 See Installation Instructions for compatible Notification Appliances.
 Supervisory current (max.): 30mA max from external supply
 Alarm voltage: 1mA max from addressable device circuit wiring
 Alarm current (max.): 24VDC nominal
 NAC cable requirements: 1.5A at 24VDC nominal
 Wire size: 18 to 14 AWG
 Voltage drop (max.): 3VDC (from power supply to EOL)
3. If Earth Ground is available, the green wire should be connected to earth ground terminal (TB2, terminal 6).
4. If Earth Ground is NOT available, all the NAC wiring should be located in the same room as the module.
5. The Notification Appliance Circuit polarity is shown in supervisory condition.
6. Power Supply Input Wire Size: 18 to 14 AWG
7. The following minimum revisions are required for proper operation of the 8706.

FDLC	1.5
NAC	2.18
PANEL	5.0

Accessory Devices

Faraday Cat. No.	Mfg. Part Number	Description
R711-1	711-1	Polarized Auxiliary Relay
RSE 300	15073	Remote Signal Expander

Notes:

1. The accessory devices listed above may be wired to activate from the notification appliance circuits.
2. For specific wiring and installation information, read the instructions provided with each device.