

INSTALLATION INSTRUCTIONS AND WIRING FOR ADDRESSABLE MANUAL PULL STATION P/N 8700-S AND 8700-D

INTRODUCTION

The Model 8700-S and 8700-D Manual Stations are addressable devices containing advanced control panel communication technology. This technology, which provides two-direction communication with the control panel, produces an Intelligent Initiating Device. The 8700-S is single action; the 8700-D is double action.

PROGRAMMING INSTRUCTIONS

Refer to Figure 1 to locate the opening on the 8700 cover that allows access to the programming holes which are on the 8700 printed circuit board.

To connect the 8700 to the 8720 Programmer/Tester, insert the plug from the cable provided with the Programmer/Tester into the opening on the 8700 as shown in Figure 2. Because 8700 devices are polarity insensitive, the programming plug can be inserted into the programming holes in either direction.



To prevent potential damage to the Programmer/Tester, DO NOT connect an 8700 to the 8720 Programmer/Tester until at least one wire is removed from terminals 1 or 2 of the 8700.

Follow the instructions in the 8720 Manual (P/N 315-033260FA) to program the 8700 to the desired address. Record the device address on the label located on the 8700 front Panel. The 8700 can now be installed and wired to the system.

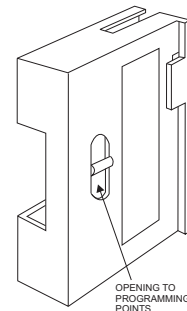


Figure 1
8700 Cover

OPERATION

The 8700-S and 8700-D manual stations operate with the Fire Alarm Control Panel via the addressable device circuit.

The 8700-S and 8700-D manual station housings have a pull down lever that locks in position after releasing a spring loaded switch. (See Figure 4.) To indicate the manual station is activated, the pull down lever remains down and locked until the station is physically reset.

The 8700-D has an additional lever labeled *PUSH IN* which must be operated first.

Both models are reset by opening the hinged housing cover with an Allen key and then closing and locking the cover.

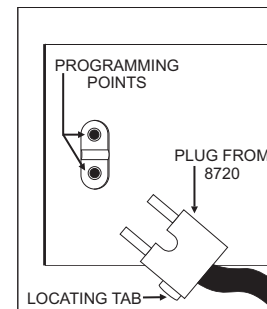


Figure 2
Connecting the 8720 Plug



Siemens Industry, Inc.
Building Technologies Division • Florham Park, NJ
Tel: (973) 593-2600 • Fax: (973) 593-6670
Web: www.us.sbt.siemens.com/faraday

WIRING

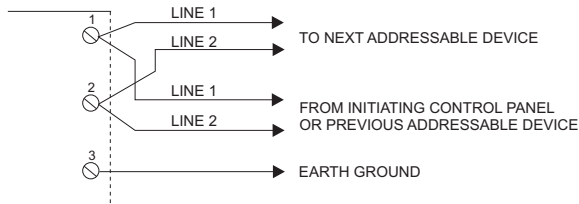


Figure 3
Wiring Information

NOTES:

1. Recommended wire sizes:
18 AWG minimum, 14 AWG maximum
2. Wire larger than 14 AWG can damage the connector.
3. **When using shielded cable without metal raceway or with nonmetallic raceway**, the shields should be terminated at the device ground terminal. If the device box is already grounded by another means, such as being mounted to a grounded structure, the wire shields should be continuous and must be grounded solely at the point of origin; for example, at the control panel.
4. **When using shielded cable with metal raceway**, the wiring shields shall be continuous and grounded solely at the point of origin. The device ground terminal shall be connected to the grounded device box.
5. **When using metal raceway without shielded cable**, connect the device ground terminal to the grounded device box.
6. Metal raceway should be thoroughly grounded throughout the system.
7. The 8700-S and 8700-D draw 1mA from the addressable device circuit.
8. The 8700-S and 8700-D are polarity insensitive devices. Line 1 and Line 2 can be either line of the loop.

INSTALLATION

Distribute the manual station boxes throughout the protected area so that they are unobstructed, readily accessible, and located in the normal exit path. Place the manual station according to the regulations of the authorities having jurisdiction.

Surface Mounting

Mount the backplate to a Faraday Model 8864 Backbox as shown in Figure 4.

Flush Mounting

Mount the backplate to a user supplied single gang switchbox.



Do not overtighten the screws. Overtightening may distort the backplate.

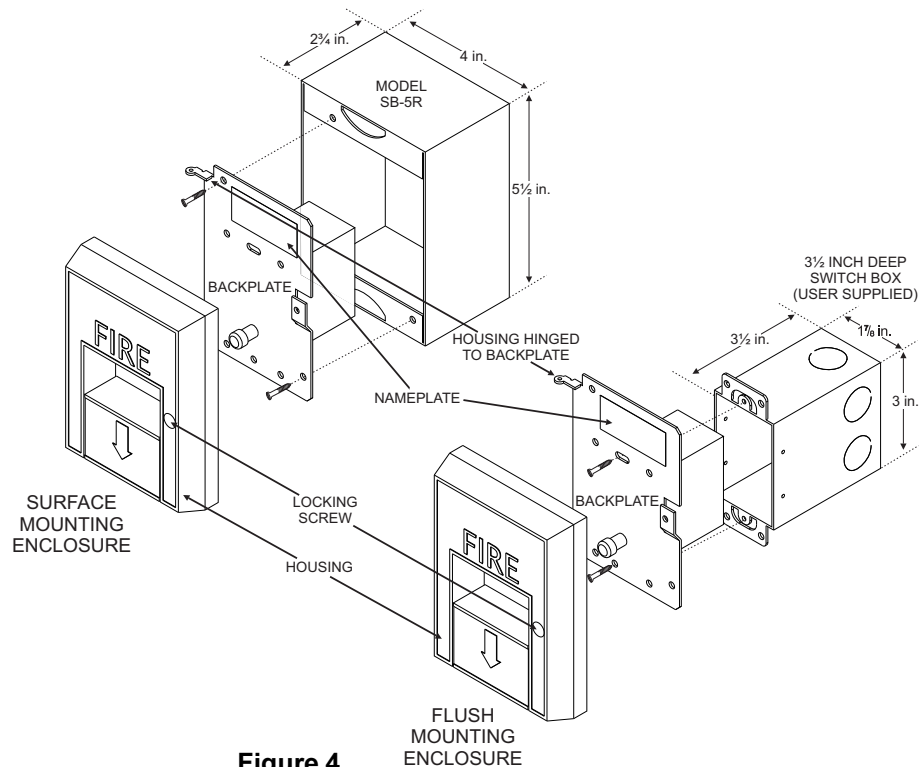


Figure 4
Mounting