

Installation Instructions

Models HMS-2S / HMS-SA

Dual Stage Manual Pull Station (For Canadian Two-Stage Applications)

Single Stage Manual Pull Station with Auxiliary Contacts

INTRODUCTION

The Model HMS-2S/SA Manual Station from Siemens Industry, Inc., is a field installed addressable device containing advanced control panel communication technology. This technology, which provides two-direction communication with the control panel, produces an Intelligent Initiating Device.

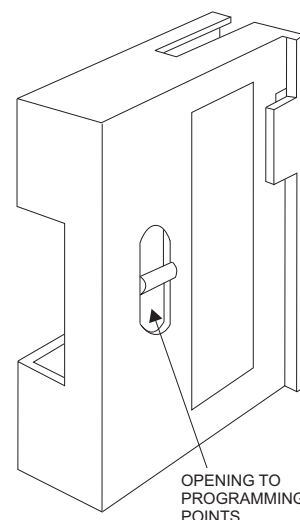


Figure 1
HMS Cover

PROGRAMMING INSTRUCTIONS

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

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

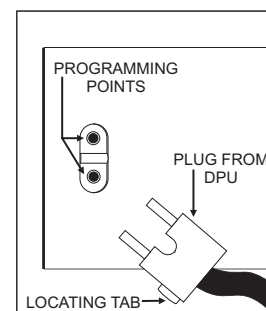


Figure 2
Connecting the DPU Plug



To prevent potential damage to the DPU DO NOT connect an HMS to the DPU until at least one wire is removed from terminals 1 or 2 of the HMS.

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

OPERATION

The HMS manual station operates with the FireFinder-XLS Control Panel via the DLC Device Loop Card.

The HMS-2S/SA manual station housing has 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 HMS-2S/SA manual station has a set of normally closed auxiliary contacts which are available for releasing door holders and magnetic door locks.

The HMS-2S has a keyswitch which can activate a second address.

The unit is reset by opening the hinged housing cover with an Allen key and then closing and locking the cover, or by returning the keyswitch to its original position.



WIRING

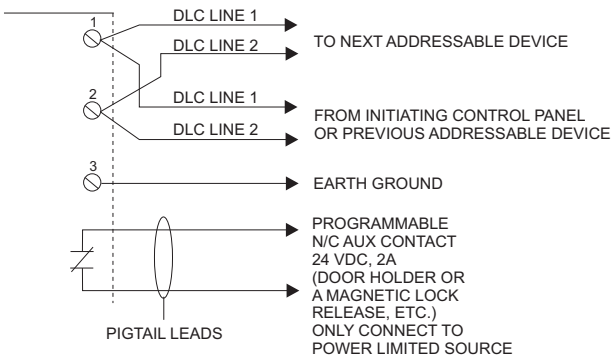


Figure 3
HMS-2S / HMS-SA Wiring Information

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. Addressable Device Loop ratings:
Voltage: 31V max.
18V min. (pulsing)
Current maximum: 1mA
In supervisory: HMS-2S / HMS-SA draws 1mA.
8. The HMS-2S / HMS-SA is a polarity insensitive device. Line 1 and Line 2 can be either line of the loop.



The use of limited energy cable is not allowed.

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 Model MC-5 Backbox as shown in Figure 4.

Flush Mounting

Mount the backplate to a user supplied single gang switchbox as shown in Figure 4.



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

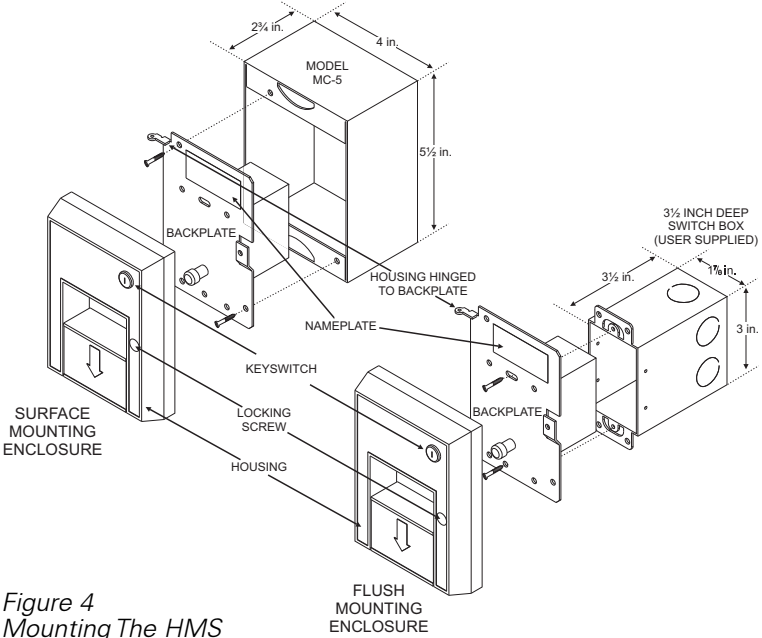


Figure 4
Mounting The HMS

ELECTRICAL RATINGS

DLC / FS-DLC Loop	
Max. Current	1mA