

Underhill[®] FUSION[™]

2Wire Decoder-in-Solenoid Programming Instructions

Introduction

The Fusion solenoid must be programmed using an Underhill portable programmer p/n DEC-PRO-240 (for international markets) when used with Underhill 2Wire products.



The Fusion product must be used exclusively and is not compatible with other Underhill decoders on the same 2Wire path.

Programming

When the programmer is initially connected to a power source it will display “P32”, see Figure 1-1. This is the software version needed to program a Fusion solenoid. If other characters are flashed, then you may need to purchase a new version portable programmer.



**V32 Programming Software
Figure 1-1**

Connect the two black wires from the Fusion solenoid to the 2 (qty) red and black terminals as shown in Figure 1-2. Either solenoid wire can be connected to the black and red terminals.



**Connect Fusion Solenoid Wires
Figure 1-2**



Do not connect the solenoid wires to the two yellow posts of the Portable Programmer.

Step 1 - Press the grey-colored “RAISE” or “LOWER” button to select the desired station. Holding down the button will advance the digits automatically

Step 2 - Press the red “PROG” for about a 3-second count to initiate the programming process. The programmer will run through a sequence of steps and then display the station selected and the green “PASS” LED will illuminate. The Fusion solenoid will click indicating its being energized and the LED on the solenoid will illuminate a green color, for a few seconds, then go out again at the end of the programming sequence

If the “FAIL” message is displayed, verify the stranded solenoid wire is clamped properly and not on the wire insulation and repeat the 1-2.

Step 3 – Repeat steps 1 & 2 for all other Fusion solenoids.