

Underhill International Corp
Programmer/Tester for 2 wire Decoders
DETAILED INSTRUCTIONS

Powering Up the Programmer/Tester:

The programmer is powered from the line (mains); 115V 60Hz in North America, 220/240V 50Hz in EU/UK. Plug the appropriate PSU into the wall socket and its black round connector into the programmer. The latter will power up with the display showing 000 and the pass & fail LEDS off.

Connecting Decoders:

To connect a wire to the programmer, press the top of the terminal and feed the bared wire into the hole at the front. Releasing the terminal will grip the wire. Connect the decoder's *red* wire to the *red* topped terminal marked '24v AC'. Connect the decoder's *black* wire to the *Black* topped terminal marked '24v A.C.' Connect the decoder's *solenoid output* wires to the two *Yellow* topped terminals marked 'SOLENOID'.

Programming:

With the pair of solenoid wires connected, press the grey '*Raise*' or '*Lower*' buttons to alter the red displays to the address to be programmed. Holding the button down will cause the numbers to change more rapidly.

When the desired address is displayed, press the red '*Program*' button. After three seconds either the '*Pass*' (green) or '*Fail*' (red) lamps will illuminate. If passed, the decoder will have been programmed and tested for the correct switching response at that address.

The indelible pen supplied can be used to write the address on the decoder's label; there is a white rectangle for the purpose.

Notes on programming:

Addresses 000 cannot be programmed into the decoders. On the ICC, the address range is 1-48. On the Universal, the address range is 1-63.

If the decoder fails to program or test, remove the red wire, replace and try again.

Testing:

With the decoder connected, press the green 'Test' button. All possible addresses will be cycled in quick succession until one responds. The displays will stop, showing the address programmed and the green '*Pass*' lamp will illuminate.

If there is no response from the decoder, the displays will stop at 127 and the red '*Fail*' lamp will illuminate.

If a decoder is attached and the display cycles then stops at 000 with the '*Pass*' lamp illuminated, it means the decoder output is working but has not yet been programmed with an address.

For further help:

Contact the help desk on 1-(949)-305-7050

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866-UNDERHILL www.underhill.us**

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QUICK INSTRUCTIONS

Connecting:

Press the top of each terminal and feed the bared wire into the hole at the front. Releasing the terminal will grip the wire.

Red wire to the Red topped terminal marked '24v A.C.'

Black wire to the Black topped terminal marked '24v A.C.'

Solenoid output wires to the two Yellow topped terminals marked 'SOLENOID'.



Programming:

Press the grey 'Raise' or 'Lower' buttons to alter the red displays to the address to be programmed. (Holding the button down will cause the numbers to change more rapidly.) For the ICC, the address range is 1- 48, for the Universal, 1-63.

Press the red 'Program' button. After three seconds either the 'Pass' (green) or 'Fail' (red) lamps will illuminate. If passed, the decoder will have been programmed and tested for the correct switching response at that address.

Testing:

Press the green 'Test' button. All possible addresses will be cycled in quick succession until the decoder responds to one. The displays will stop showing the address programmed and the green 'Pass' lamp will illuminate.

If there is no response from the decoder, the displays will stop at 127 and the red 'Fail' lamp will illuminate.

If a decoder is attached and the display cycles then stops at 000 with the 'Pass' lamp illuminated, it means the decoder output is working but has not been programmed with an address yet.