Remove the four screws holding the Model 333 A/D board in the stand-alone box.

If the 333 is installed in a GC or HPLC, remove the four hex head screws from the outside of the instrument which secure the 333 board to the inside of the chassis. This requires a 9/32" allen (hex) wrench.

The four mechanical single pole dual throw (SPDT) relays must be soldered into the board in the lower right hand corner of the 333 board. Each relay is rated at 24volts DC and 1 amp. For most handshaking applications where the relay is used to actuate a Valco valve for example there is very little cur-rent (often referred to as a contact clo-sure).

You will need the following parts:

Four SPDT relays Four 2N3904 transistors Four 10,000 ohm resistors Four 3position terminal blocks Four white wires Heat shrink tubing One red wire One black wire One 5812 voltage regulator One 10uf capacitor One .01uf capacitor

These parts are available as a kit from SRI under part# 8600-1051 \$207.00

(2022 pricing, prices subject to change, consult most recent price list.)



Model333 Relay Installation

You will need a soldering iron like the one shown to the right and solder.

You will also need a small screwdriver, needle nose pliers, cutting pliers and wire stripper.

The parts are soldered in to the circuit board as shown in the drawing to the right.





Model333 Relay Installation

Solder the white wire to the 10,000 ohm resistor by bending a little loop the resistor leg and another loop in the wires.

Place the heat shrink tubing over the soldered joint (after you solder it) and then use a heat gun or cigarette lighter to shrink the tubing down over the joint between the wire and the resistor to insulate it.

Solder the resistor to the board and then connect the other end of the wire (after you strip the insulation) to any one of the TTL output screw terminals (A,B,C,D E, F G or H). In the photo below the wire is connected to

TTL output E.

10k

R1 ND R2 NC



Model333 Relay Installation



Model333 Relay Installation