

ADVANCED APPLICATIONS (XU01 AND XU02)

In advanced applications, a single output from the I/O module can control up to nine relays. Each I/O module can control up to 18 interconnected termination units. Figure 2-2 shows the internal circuitry of dipshunt sockets XU01 and XU02.

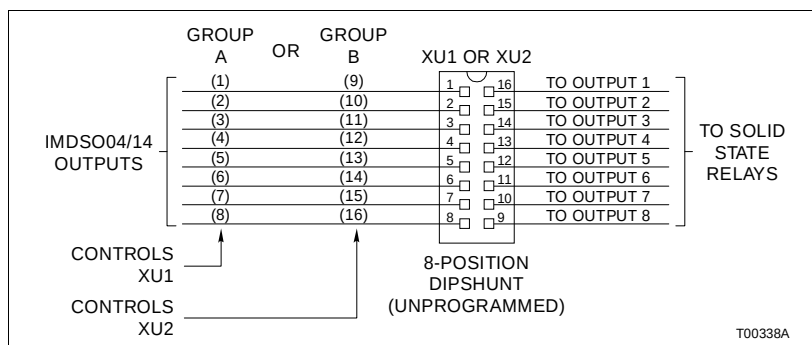


Figure 2-2. Dipshunt Socket XU01 and XU02 Internal Circuitry

There are two ways to configure the NTDO02 termination unit. Use either dipshunts or insert an adapter plug (part number 1947690_16) into the dipshunt socket. Figures 2-3 and 2-4 show two configuration examples. Figure 2-3 shows an I/O module with each output controlling a relay. Figure 2-4 shows an example of an I/O module controlling 27 relays via four termination units using adapter plugs. In the example shown in Figure 2-4:

- I/O module output one (group A) controls nine relays.
- I/O module output two (group A) controls three relays.
- I/O module output ten (group B) controls eight relays.
- I/O module output 11 (group B) controls seven relays.

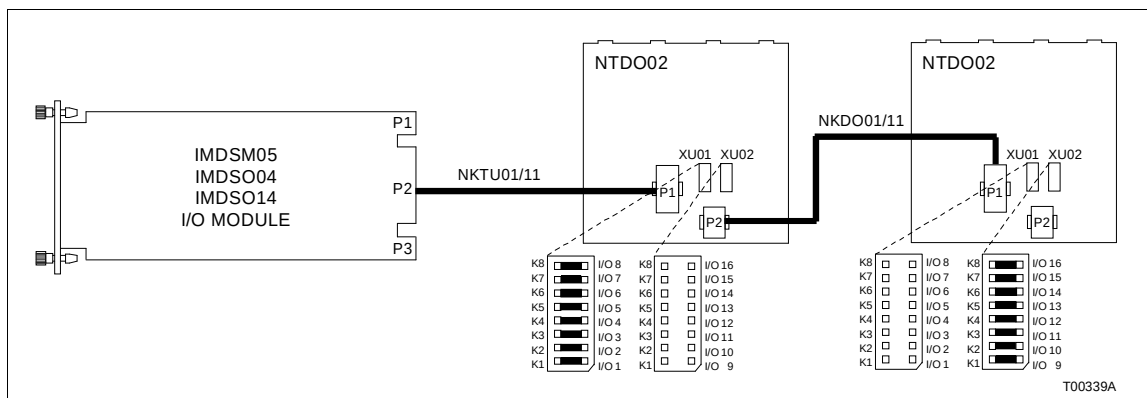


Figure 2-3. Example Configuration Using Dipshunts



Figure 2-4. Example Configuration Using Adapter Plugs

When using the adapter plugs, jumper the I/O module outputs to the appropriate relays by soldering wire (22 to 30 gage) on the adapter plug and then inserting the adapter plug into the dipshunt socket (XU01 or XU02).

I/O MODULE SELECTION (XU03 THROUGH XU10)

Dipshunts XU03 through XU10 determine the type of I/O module used. Dipshunts XU03 through XU10 must be configured identically for each relay being used on all termination units connected to a particular I/O module. Table 2-2 shows the settings for dipshunts XU03 through XU10.

NOTE: To use any output on interconnected termination units, the corresponding dipshunt must be configured and installed on all preceding interconnected termination units. For example, if there are three interconnected termination units, XU09 on all three termination units must have a configured dipshunt installed to use output seven on the last interconnected termination unit.

Install a configured dipshunt in XU09 and XU10 to use output eight on any NTDO02 termination unit. Configuring XU09 connects 24 VDC to XU10.