

Document Reference: AN060007VS1

Connecting a Load to a Relay Output

Required Equipment:

This application note discusses relay outputs for the following Baldor Series H2 controllers:

- VS1SP Inverter
- VS1GV Vector
- VS1SD Servo

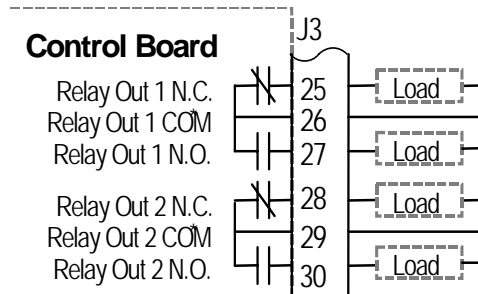
Introduction:

There are two programmable relay outputs available on the VS1 controls. Each relay output may be programmed to represent a single output condition. The relay outputs are rated for 5-30VDC or 240VAC @ 5A resistive (non-inductive) load.

Procedure:

The Relay Outputs 1 and 2 provide Normally Open (N.O.) and Normally Closed (N.C.) voltage free contacts. The internal relay function is shown in Figure 1.

Figure 1 Relay Contacts



Programming the Relay Outputs, can be done by following these steps:

1. Press the MENU key on the keypad.
2. Using the arrow keys scroll to PROGRAMMING, press ENTER.
3. LEVEL 1 BLOCKS, press ENTER.
4. Scroll to OUTPUT SETUP, press ENTER.
5. Scroll to RELAY OUTPUT 1 or 2, press ENTER.
6. Scroll to the output condition wanted, press ENTER.
7. Press the soft key A, which represents STATUS, to exit programming and return to the status screen.

A list and definition of the different output conditions can be found in the Installation & Operating Manual for the VS1 controls.