

DUAL CONTROLLER TEST, PART 1

ABSTRACT :

This is a series of tests which verify that the RP04/5/6 dual controller logic is functioning properly. Only the control logic is tested by this program, data handling in the dual controller mode is not tested.

Both ports of the drive are cabled to the same massbus by a special adapter cable (P/N 7010507-02). This arrangement allows the dual controller logic to be tested from one PDP-11 computer. With this cable, the drive appears as two units on the massbus. Each port of the drive will respond to a different massbus address. The address of each port will depend upon the drive's "DP" board - module M7775 for RP04's, or by the address plug for RP05/6's

Any other drive on the massbus which has an address in conflict with either of the test addresses must be powered down.

OPERATING PROCEDURES :

Switch the "controller select" switch on the drive to be tested to the A/B position. Cycle the drive up.

Start the program.

Enter the drive number.

Enter the test number to be run. Carriage return will run all tests.

START ADDRESSES:

SA=200 normal starting (RH11 / RH70 has standard addr.176700 vec. 254)

SA=204 to change non-standard addresses of RH11 / RH70.

SWITCH SETTINGS :

SW15= 1 halt on error

SW14= 1 loop on test

SW13= 1 inhibit error typeout

SW11= 1 inhibit test iterations

SW10= 1 ring bell on error

SW09= 1 loop on error

use "CONTROL G" to enter software SWR at loc. 176