

DEC Decrement address

Write data to memory

<data> DEP Write data (deposit) to current address

<data> INC Write data to current address and increment address

<data> DEC Write data to current address and decrement address

Change operating frequency

2nd 0 Speed controlled by knob

2nd 1 Slowest

...

2nd F Fastest

The default speed is 5

Program execution

<address> STP Set current Program Counter

STP Single Step

<address> RUN Set Program Counter and run

RUN Run until halt instruction or STP key pressed

Input and output bits

There are four output bits implemented as relay flip-flops. Each of these bits is available externally as relay contacts. Both the normally open and normally closed contacts are wired to the connectors.

12V and ground are wired to external connectors also. These may be used along with the output relay contacts to control small lamps.

There are four input bits wired to connectors. It is expected that switch closures are connected to these. When a switch is closed, the input registers a '1'. When a switch is open, the input registers a '0'.

If I/O is not needed, the outputs may be connected to the inputs to produce an extra programmable register implemented with relay flip-flops.