```
\ Forth Code to initialize the DC Relay Module

HEX

4 USE.PAGE          \ Initialize the memory map.
15 WIDTH !          \ Avoid non-unique names.
ANEW DCR.CODE       \ Forget marker for easy re-loading.


1     CONSTANT    RELAY_CONTROL_LINES
F     CONSTANT    ALL_RELAYS
C005  CONSTANT    DIRECTION_REGISTER
C000  CONSTANT    RELAY_CONTROL_REGISTER

: Init_DC_Relay ( byte -- | byte = module num. Valid module numbers are
0-7 )
\ Initializes the DC Relay Module by configuring the DC relay control
lines
\ of the CPLD to outputs.  The module number depends on the module
select
\ jumpers.  See Table 1 for the jumper settings and associated
addresses.
locals{ &module }

  \ Disconnect all relays before initializing control lines to outputs.
  \ Relays are active low (i.e. writing a 0 to the relay turns it on).
  ALL_RELAYS RELAY_CONTROL_REGISTER &module C!
  RELAY_CONTROL_LINES DIRECTION_REGISTER &module C!
;
```