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\ Forth Code to initialize the AC Relay Module

HEX

4 USE.PAGE          \ Initialize the memory map.
15 WIDTH !         \ Avoid non-unique names.
ANEW ACR.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_AC_Relay ( byte -- | byte = module num. Valid module numbers are
0-7 )
\ Initializes the AC Relay Wildcard by configuring the AC 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!
;

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