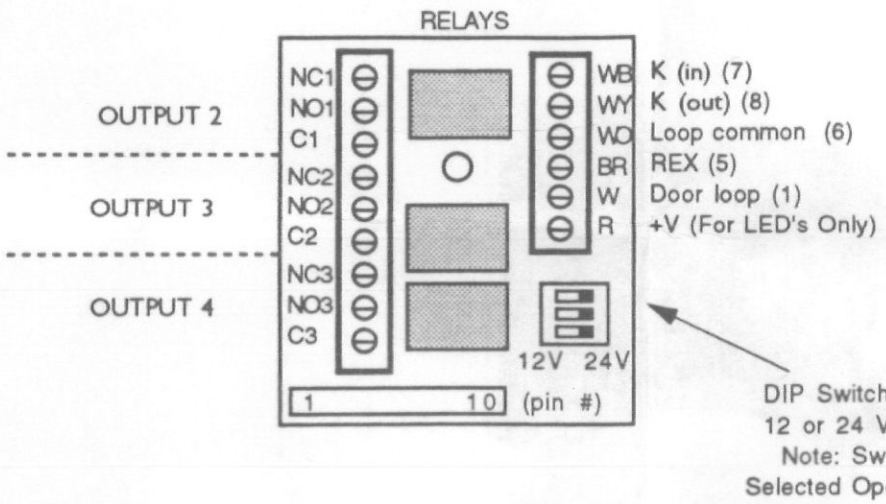
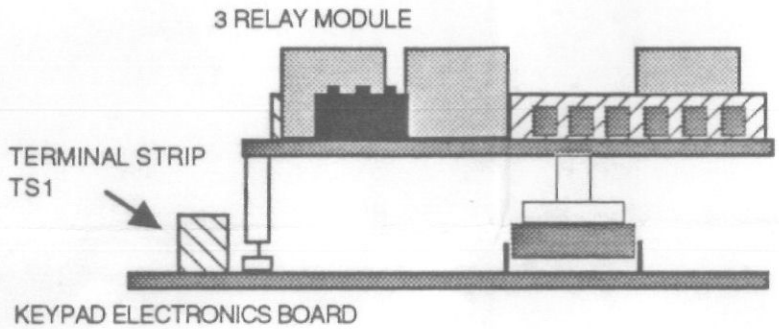
IEI # 021-9000 3 RELAY MODULE



PLUG ON RELAY AND TERMINAL STRIP ACCESSORY BOARD. PROVIDES FORM C CONTACTS @ 1 AMPERE IN PLACE ON ELECTRONIC OUTPUTS WITH TERMINAL CONNECTIONS FOR THE WHITE/YELLOW, WHITE/BLK , WHITE/ORANGE, BROWN, WHITE AND RED LEADS. THIS BOARD IS THE SAME SIZE AS THE KEYPAD PCB AND WILL FIT INTO A STANDARD ELECTRICAL BOX. CURRENT DRAW IS 13 MA FOR EACH RELAY THAT IS ENERGIZED.



PROGRAMMING EXAMPLE 1

Program user 2 (code= 321) to operate output 2 for 10 seconds.

PROGRAMMING STEPS

1) Set output 2 for 10 seconds. 12#10#0#**

2) Program code 321* and assign code to operate output 2 59#2#02#321*321*

RESULTS

When the code of 321* is entered it will activate output 2 relay for 10 seconds.

PROGRAMMING EXAMPLE 2

Program user 3 (code = 666) to operate output 4 for latch (toggle on/off).

PROGRAMMING STEPS

1) Program output 4 for latch (toggle on/off). 14#00#0#**

2) Program code 666* and assign code to operate output 4 59#4#03#666*666*

RESULTS

When the code of 666* is entered it will activate output 4 relay for latch (toggle on/off).

IEI Technical Addendum

293 Accessory Relay Board *stand-off specification*

The design of the i/w circuit boards has changed from *through-hole* to *surface mount,* which means the mounting specification of the 293 Accessory Relay Board has also changed. Included with the 293 are 2 Plastic Stand-Offs of different length. These Stand-Offs are used to support the 293 on the IC Chip of the keypad circuit board.

The shorter Stand-Off (1/2") is used with the through-hole circuit board. The through-hole circuit board can be distinguished by looking at the Main Micro-Chip, which is *installed into a socket*.

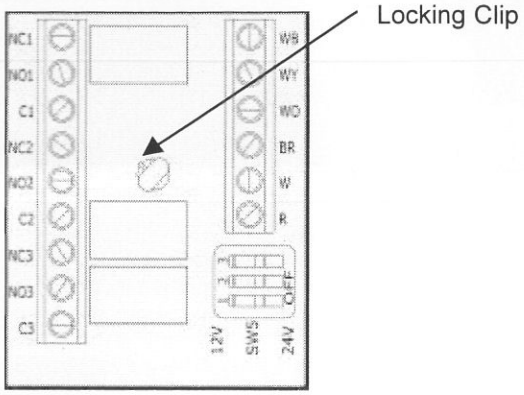
The longer Stand-Off (5/8") is used for the surface-mount circuit board. The surface-mount circuit board can be distinguished by looking at the Main Micro-Chip, which is *soldered to the circuit board.*

Stand-Off Removal

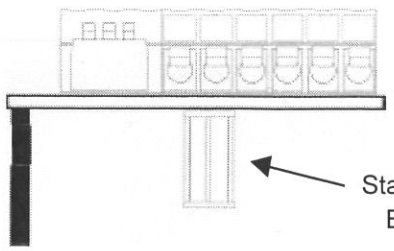
1. Squeeze the locking clip in the nose of the 293 in so that it will pass through the hole in the center of the 293 circuit board and carefully pull it away from the board.

Stand-Off Installation

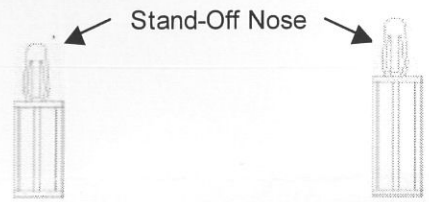
1. Choose the Stand-Off to be installed (short for through-hole, long for surface-mount).
2. Push the nose of the Stand-Off through the hole in the center of the 293 circuit board until it locks into place.



293 Accessory Relay Board
Top View
(Stand-Off Installed)

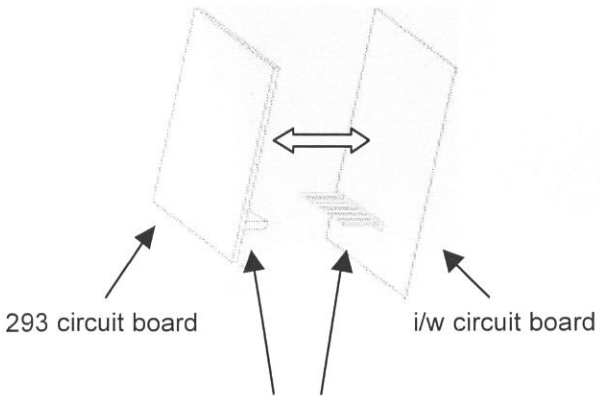


293 Accessory Relay Board
Side View
(Stand-Off Installed)



1/2" Stand-Off
for
Through-Hole
Circuit Board
(pre-installed)

5/8" Stand-Off
for
Surface Mount
Circuit Board



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August 2002

293 stand-off specification
Part# 6116000 rev. 1.0
Fax Document Number: 6001