

# NO. 314A & B RELAYS

(Card No. 1)

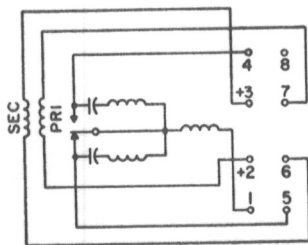
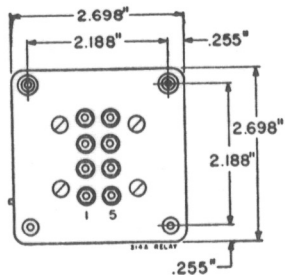
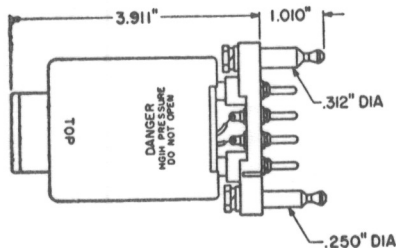


FIG. 1

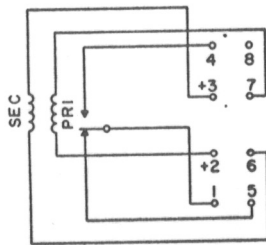


FIG. 2

No. 314A: Polar latching relay with built-in contact protection. Consists of a switch (having biasing permanent magnets) within a coil, capacitors and inductors, potted in a metal can and assembled on a base of insulating material. Switch provides a transfer consisting of one back contact, one front contact and a swinger which are continuously coated with mercury and enclosed in an atmosphere of hydrogen in a sealed glass tube. At all practical operating rates, there will be a period during the transfer in either direction when all switch contacts will be electrically open. This transfer interval is at least .04 millisecond.

Relay does not vary more than plus or minus 10% from the rated resistance.

Positive potential should be connected as indicated.

Closest recommended vertical and horizontal mounting centers are 2-3/4 inches.

Arranged to mount on a No. 823, No. 884 or similar type mounting plates by means of a No. 18B connecting block.

Relay can be operated in a horizontal position (with the orientation mark at the top) or in a vertical position (with the handle at the top).  
Initial use: All carrier telegraph systems for send and receiving positions.

No. 314B: Same as No. 314A except not provided with contact protection.

Initial use: No. 40 type carrier telegraph systems for send positions only.