MOUNTING DISTANCE BETWEEN RELAY
APPLICABLE TO XL, X, XA, XCL, XC, YL, Y, YA, YCL, YC, YCA, JS/JSA, JA, JL, J, KA, KL, K

Definition and applicability

This application note defines the minimum distance between relays to insure relay performance as specified in our data sheets.

Phenomenon analysis

Each relay generates a magnetic field either when the relay is de-energized because of the permanent magnet or in the energized position because of permanent magnet and coil. The magnetic field generated by one relay could affect the performance of another relay when the below minimum distance between relays is not respected. If the relays are mounted adjacent to each other, it is advisable to alternate direction of magnetic path on every other unit and to keep a 1/16-inch space between relays (figure "A"). Or when mounted in the same direction, separate each relay from the other by 1/8 inch (figure "B"). If two or more rows of relays are installed, allow clearance of 1/8 inch between rows, (figures "C" and "D"). Provide 3/16-inch space between relays if used in opposition (figure "E").