TIME OVERCURRENT RELAY
TYPE IAC
MODEL 12IAC80L(-)A

INTRODUCTION

This supplement in conjunction with GEH-1788 forms the instructions for relay model 12IAC80L(-)A.

DESCRIPTION

Relay model 12IAC80L(-)A consists of a single IAC type time overcurrent unit with a seal-in unit mounted in a small single ended (S1) case. This relay is similar to model 12IAC53A(-)A described in GEH-1788 except:

1) The internal connections are as shown in figure 1 of this supplement.

2) The induction unit uses wound shading coils on the U-magnet to provide torque control. This control circuit (connected to studs 3 and 4) must be completed in order that there be a phase displacement in flux to rotate the disk. When the shading coil circuit is completed, torque can be developed on the induction disk and the unit will operate on overcurrent. When the shading coil circuit is open, the unit will not operate at current levels up to 20 times tap value.

The time current curves, burdens and ratings of this relay are as given in GEH-1788 for model 12IAC53A(-)A.

POWER SYSTEMS MANAGEMENT DEPARTMENT

GENERAL ⊛ ELECTRIC

CONTROL WINDINGS

SEAL-IN
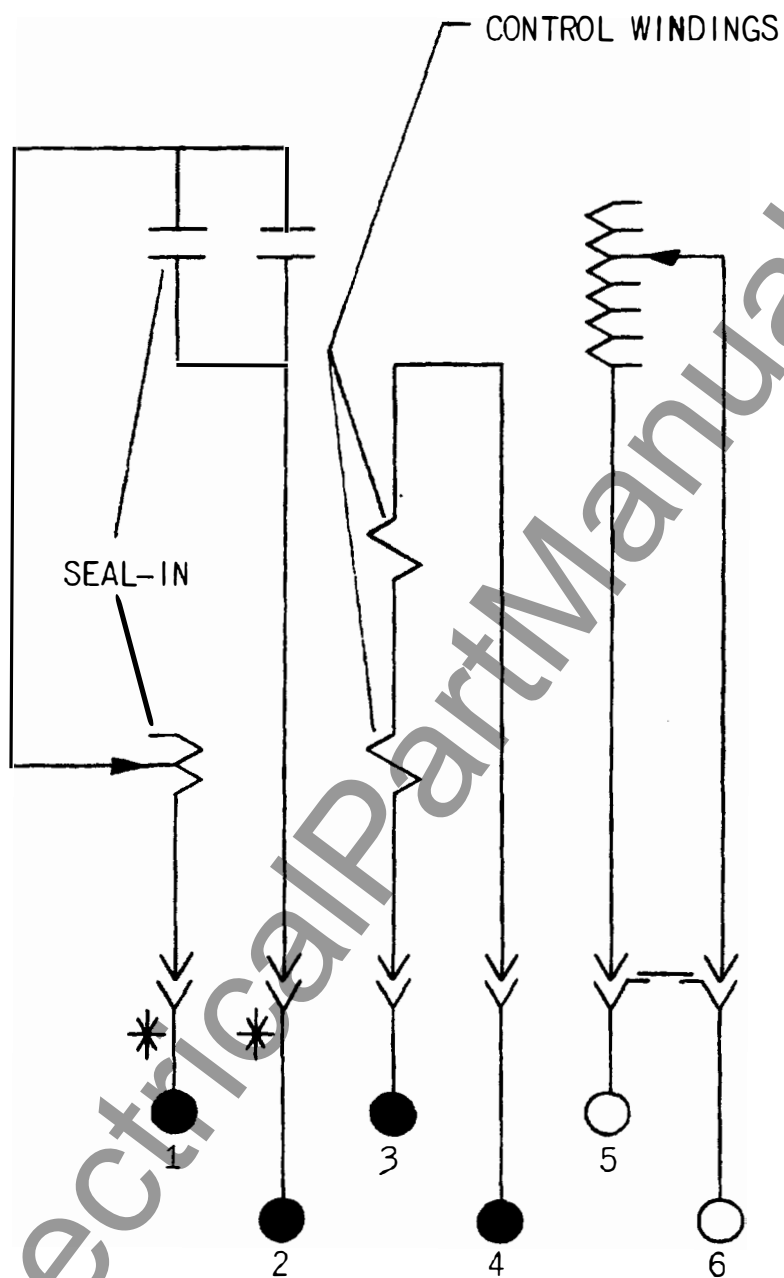
✳ = SHORT FINGERS

FIG. 1 (0226A7211-0) INTERNAL CONNECTIONS DIAGRAM FOR THE IAC80L(-)A RELAY (FRONT VIEW)

TIME OVERCURRENT RELAYS

TYPES

IAC53A	IAC53R
IAC53B	IAC54A
IAC53C	IAC54B

GENERAL ⬡ ELECTRIC