



INSTRUCTIONS

GEK-49947
Insert Booklet-GEK-49849

GROUND DIRECTIONAL OVERCURRENT RELAY

TYPE JBCG

MODEL 12JBCG99C(-)Y1A

INTRODUCTION

These instructions plus those contained in GEK-49849 form the instructions for this relay.

DESCRIPTION

The JBCG54S(-)Y1A relay has been redesigned to use the eight-to-one range IAC 800 series time overcurrent unit and an eight-to-one range directionally controlled instantaneous unit. The new relay is the JBCG99C(-)Y1A. The very inverse time overcurrent ranges are 0.5-4 with 0.5, 0.6, 0.7, 0.8, 1, 1.2, 2, 2.5, 3 and 4 amp taps or 1.5-12 with 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8, 10 or 12 amp taps. The directionally controlled instantaneous unit ranges are 2-16 or 10-80 amp. The non-directionally controlled instantaneous unit ranges are 2-50 or 6-150 amp. The new relays are rated 120 VAC; seal-in units are rated 0.2/2.0 amp.

Special relay JBCG99C(-)Y1A is similar to JBCG53M(-)Y1A described in GEK-49849 except:

1. The time-overcurrent unit and the non-directionally controlled instantaneous unit have two, instead of one, normally open contacts.
2. The Internal Connections, shown in Fig. 1 of this supplement, are similar to the JBCG54S(-)Y1A Internal Connections.

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the General Electric Company.

To the extent required the products described herein meet applicable ANSI, IEEE and NEMA standards; but no such assurance is given with respect to local codes and ordinances because they vary greatly.

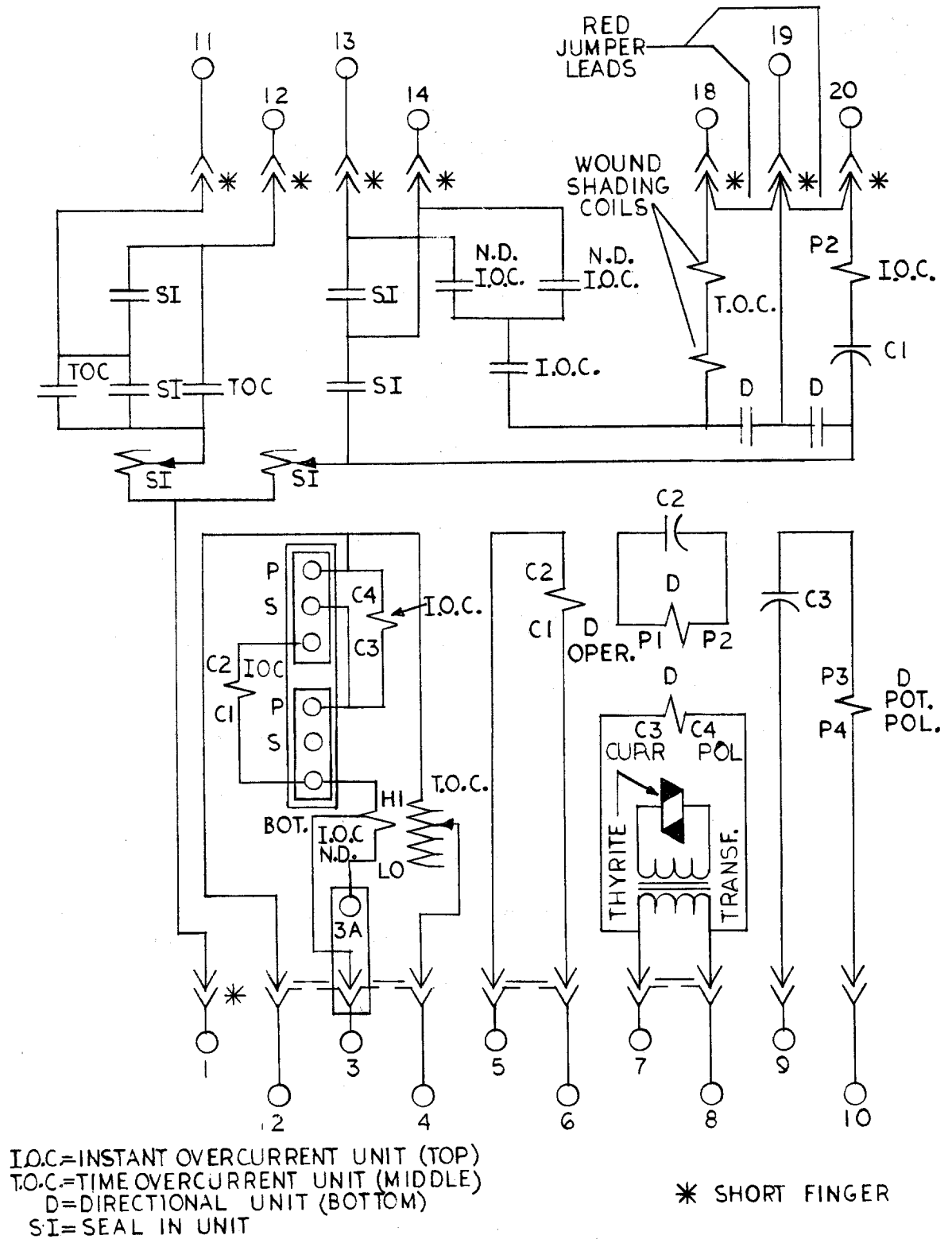


Fig. 1 (0273A9173-0) Internal Connections for Relay Model JBCG99C(-)Y1A (Front View)