



## INSTRUCTIONS

GEK-86043 A  
Insert Booklet GEK-49849

### GROUND DIRECTIONAL OVERCURRENT RELAY

TYPE JBCG

MODEL 12JBCG99F(-)A

#### INTRODUCTION

This instruction book, together with insert booklet GEK-49849, forms the instructions for the 12JBCG99F(-)A relays.

#### DESCRIPTION

The 12JBCG99F(-)A relay is similar to the 12JBCG53M(-)A relay, except that it has a 0.5-4.0 ampere instantaneous overcurrent unit.

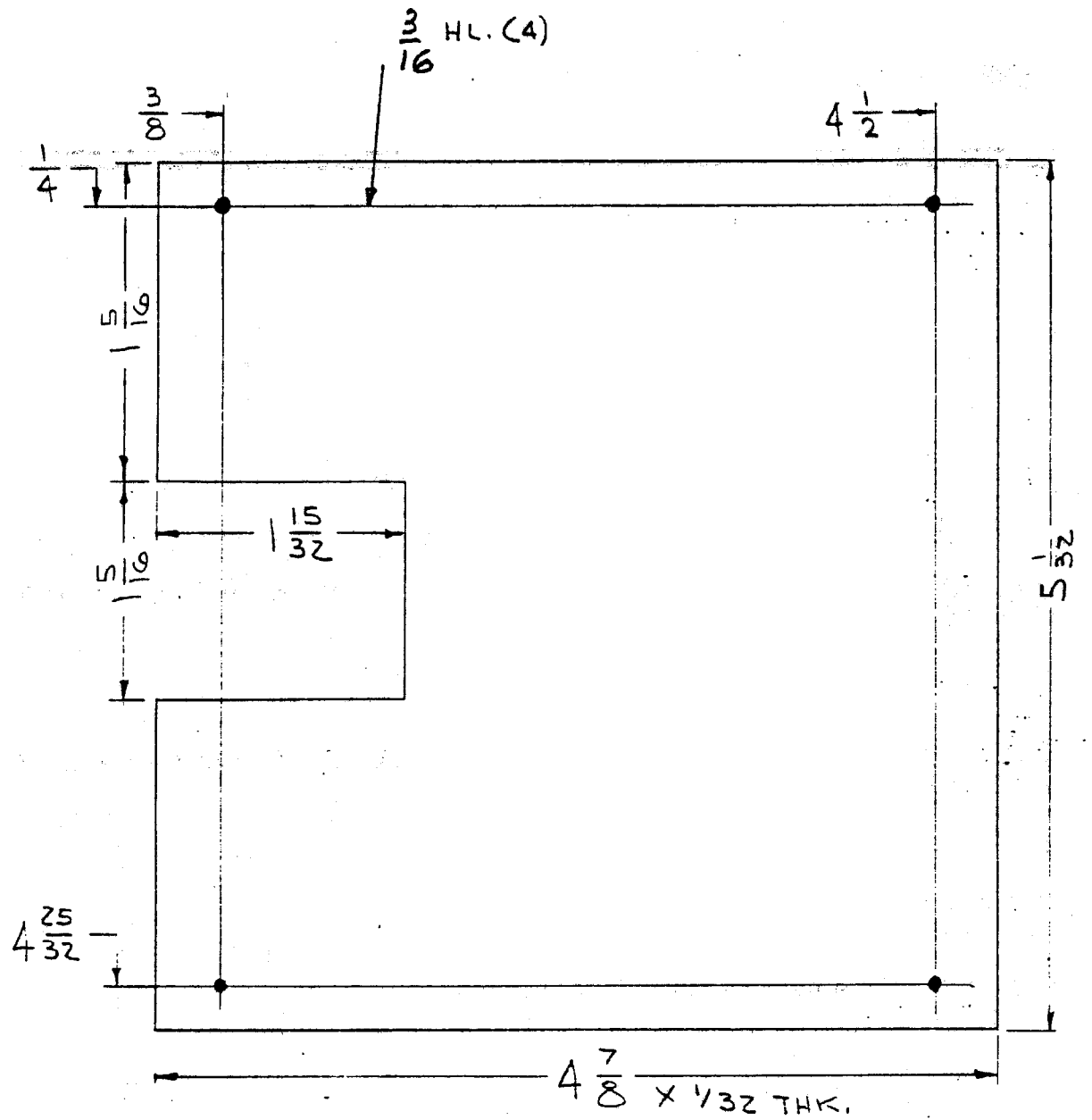
#### IOC BURDEN

Series Connected:  $0.434 + j0.5207$   
Parallel Connected:  $0.1085 + j0.1302$

Figure 1 is the internal connection diagram.

*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.*



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Figure 1 (0285A6195-0) Internal Connections Diagram for the 12JBCG99F(-)A Relay