



## INSTRUCTIONS

GEK-86666  
Insert Booklet GEI-68749

### AUXILIARY RELAY TYPE HFA

0156A2837G(-)

### INTRODUCTION

This instruction book, together with insert booklet GEI-68749, forms the instructions for the 0156A2837G(-) relays.

### DESCRIPTION

The 0156A2837 relays are HFA relay types and are intermittently rated for one minute. There are six contacts; five are usable and one is used to insert an external resistor in series with the coil when the relay is picked up. The relay is similar to the HFA65D, except it has a high speed pickup of one cycle or less with rated voltage applied to terminals 8 and 14, and a dropout of 0.25 seconds plus or minus ten percent. Figure 1 is the outline and panel drilling and internal connections 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.*

SIX CONTACT D-C AUXILIARY RELAY TYPE HFA		SIMILAR TO HFA65D(-)F EXCEPT WITH SHORT GAP FOR HIGH-SPEED PICKUP (1 CYCLE). OR LESS DROPOUT TIME 0.25 SECS. $\pm 10\%$ . SELECT THE CONTACT CODE FROM OUTLINE OTHERWISE CODE 01 WILL BE FURNISHED		
MEMO 5396		GROUP	1	2
VOLTS (1 MINUTE) FREQUENCY			125 D-C	48 D.C.
RESISTOR OUTLINE OUTLINE, P.D. & INT. CONNS. INSTRUCTION BOOK PARTS BULLETIN		389A752 0285A8896 GEK-86666 GEF-2757	X X X X	X X X X
PT.	NAME	DRAWING NO.	QUANTITY REQUIRED	
1.	RELAY (OMIT PT 140 & SCR. R.HD. 10-32 x 1/4 & SUBSTITUTE SCR. R.HD 10-32 x 5/8 & NUT.	276B561AA --G-51	1	1
2.	COIL	366A706 G-18	1	
3.	HARDWARE (STEEL MTG)	DL-6158538 G-5	1	1
4.	CONTACT ASSEM.	L-6193304 G-10	1	1
5.	CARTON	K-6077662 G-1	1	1
6.	NAMEPLATE	NP-75545	1	1
7.	EXT. RESISTOR OHMIC VALUE 10 OHMS	IC9006C101A10	1	1
8.	COIL	0366A0706 G-24		1
9.	EXT. RESISTOR OHMIC VALUE	IC9006C101A2 2 OHMS		1
<p><del>SHIPPING INSTRUCTIONS</del> - REMOVE INSTRUCTIONS FROM COVER ABOUT REMOVING DEVICE USED TO BLOCK RELAY AND SHIP RELAY WITHOUT ANY BLOCKING DEVICE.</p> <p>TESTING INSTRUCTIONS (CONNECT THE EXTERNAL RESISTOR ACROSS STUDS 7-8): TEST PER HFA65D EXCEPT ADJUST ARMATURE TRAVEL BY MEANS OF BACKSTOP SCREW FOR PICKUP TIME OF 1 CYCLE OR LESS. AT RATED D.C. VOLTAGE SUDDENLY APPLIED. MINIMUM CONTACT GAP SHOULD BE 1/8" ADJUST DROPOUT TIME FOR 0.25 SECS.</p>				

Figure 1 (New) Outline, Panel Drilling and Internal Connections  
Diagram for the 0156A2837 Relay