



## INSTRUCTIONS

GEK-49942A  
Insert Booklet GEK-41898

### AUXILIARY RELAY TYPE HFA MODEL 12HFA99AB\*A

#### INTRODUCTION

This information, along with that in instruction book GEK-41898, forms the instructions for the 12HFA99AB\*A relay.

#### DESCRIPTION

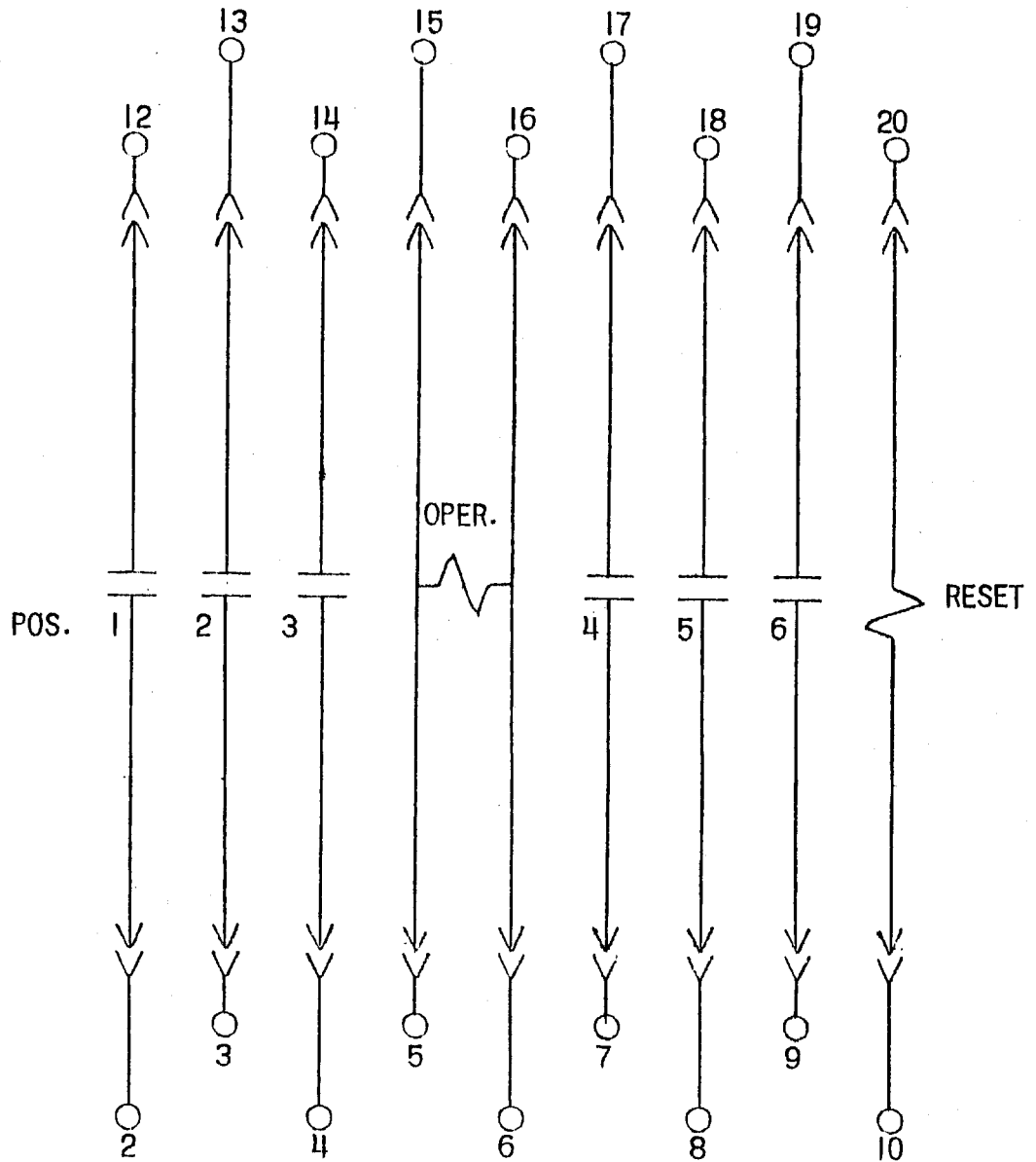
The 12HFA99AB\*A relay is similar to the 12HFA74E\*A relay except for long wipe contacts in positions 3 and 4.

The operating coil is continuously rated. The reset coil is intermittently rated, and must be interrupted by an external contact.

The internal connection diagram is shown in Figure 1, along with the contact code arrangements that are available.

*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.*



**CONTACT ARRANGEMENT**

a =      b =

CODE NO. →	1	2	3	4	5	6	7	8	9	10
POS. NO.	1	a	a	a	a	b	a	a	a	b
	2	a	a	b	b	b	a	a	b	b
	3	b $\bar{1}$	b $\bar{1}$	b $\bar{1}$	b $\bar{1}$	b $\bar{1}$	a $\bar{1}$	a $\bar{1}$	a $\bar{1}$	a $\bar{1}$
	4	b $\bar{1}$	b $\bar{1}$	b $\bar{1}$	b $\bar{1}$	b $\bar{1}$	a $\bar{1}$	a $\bar{1}$	a $\bar{1}$	a $\bar{1}$
	5	a	b	b	b	b	a	b	b	b
	6	a	a	a	b	b	a	a	a	b

Figure 1 (0257A5043-0) INTERNAL CONNECTIONS