



INSTRUCTIONS

GEK-49797

Insert Booklet GEH-1814

VOLTAGE RELAY
TYPE IAV99AB
TYPE IAV99AC

INTRODUCTION

These instructions supplement instruction book GEH-1814 which is included in this book. The combination of the two form complete instructions for these relays.

The Type IAV99AB relay is similar to the Type IAV51A relay except it is for use on 15 hertz systems.

The Type IAV99AC relay is similar to the Type IAV51A relay except it is for use on 12.5 hertz systems.

The time-voltage curve for the Type IAV99AB is shown in Fig. 1.

The time-voltage curve for the Type IAV99AC is shown in Fig. 2.

BURDENS

The potential burden at 115 volts and rated frequency for each tap is shown below:

TYPE IAV99AB (15 HERTZ)

Tap	62	72	80	90	102	118
Volt-Amps	10.2	7.0	5.2	4.0	2.9	2.2
Watts	6.6	3.7	2.6	1.8	1.3	0.8
Power Factor	0.65	0.53	0.50	0.45	0.45	0.36

TYPE IAV99AC (12.5 HERTZ)

Tap	70	77	85	93	102	113
Volt-Amps	8.2	6.6	4.8	3.9	3.1	2.5
Watts	5.3	3.7	2.6	1.9	1.4	1.1
Power Factor	0.65	0.56	0.54	0.49	0.45	0.44

INSTALLATION

MOUNTING

The outline and panel drilling dimensions are the same as shown in GEH-1814 for the Type IAV51A (Fig 20).

INTERNAL CONNECTIONS

The internal connections are the same as shown in GEH-1814 for the Type IAV51A (Fig 9).

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.

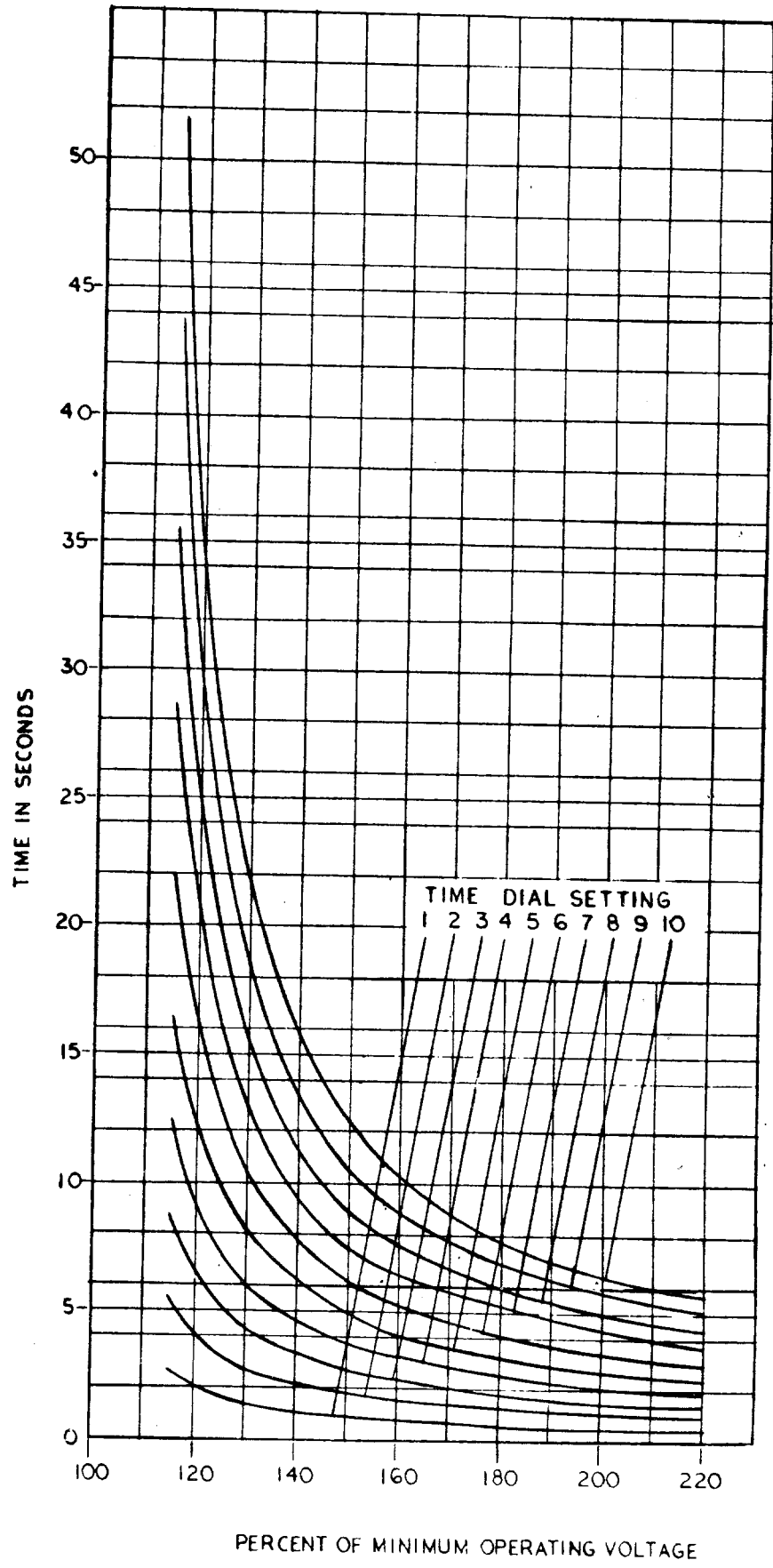


Fig. 1. (010B8981-0) Time-Voltage Curve for Type IAV99AB Relay

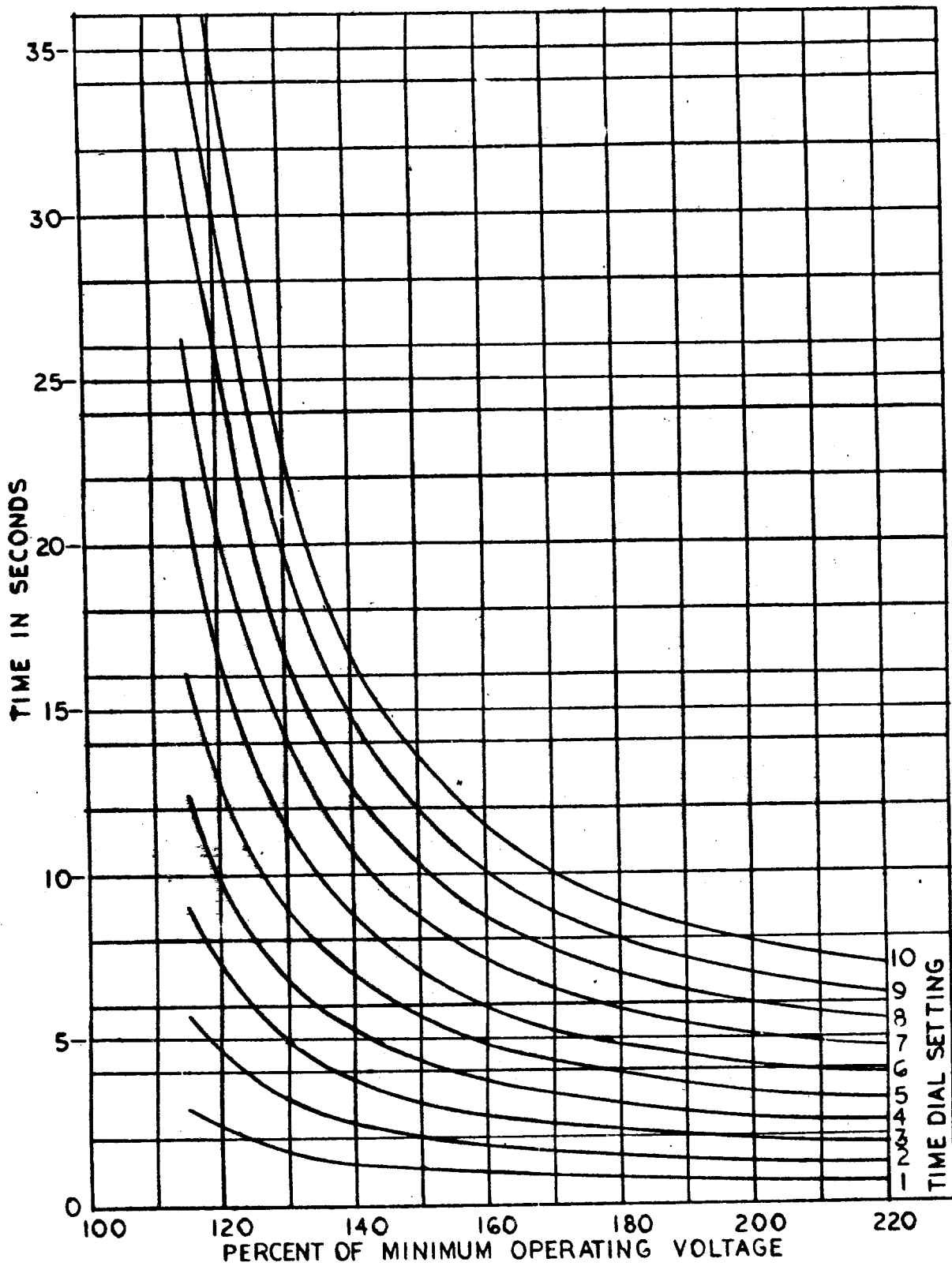


Fig. 2. (0269A3087-0) Time-Voltage Curve for Type IAV99AC Relay