



INSTRUCTIONS

GEK-34212
Insert Booklet - GEI-31010

TIME OVERCURRENT RELAY

Model 12IAC95A (-) A
Type IAC

POWER SYSTEMS MANAGEMENT DEPARTMENT

GENERAL  ELECTRIC

PHILADELPHIA, PA.

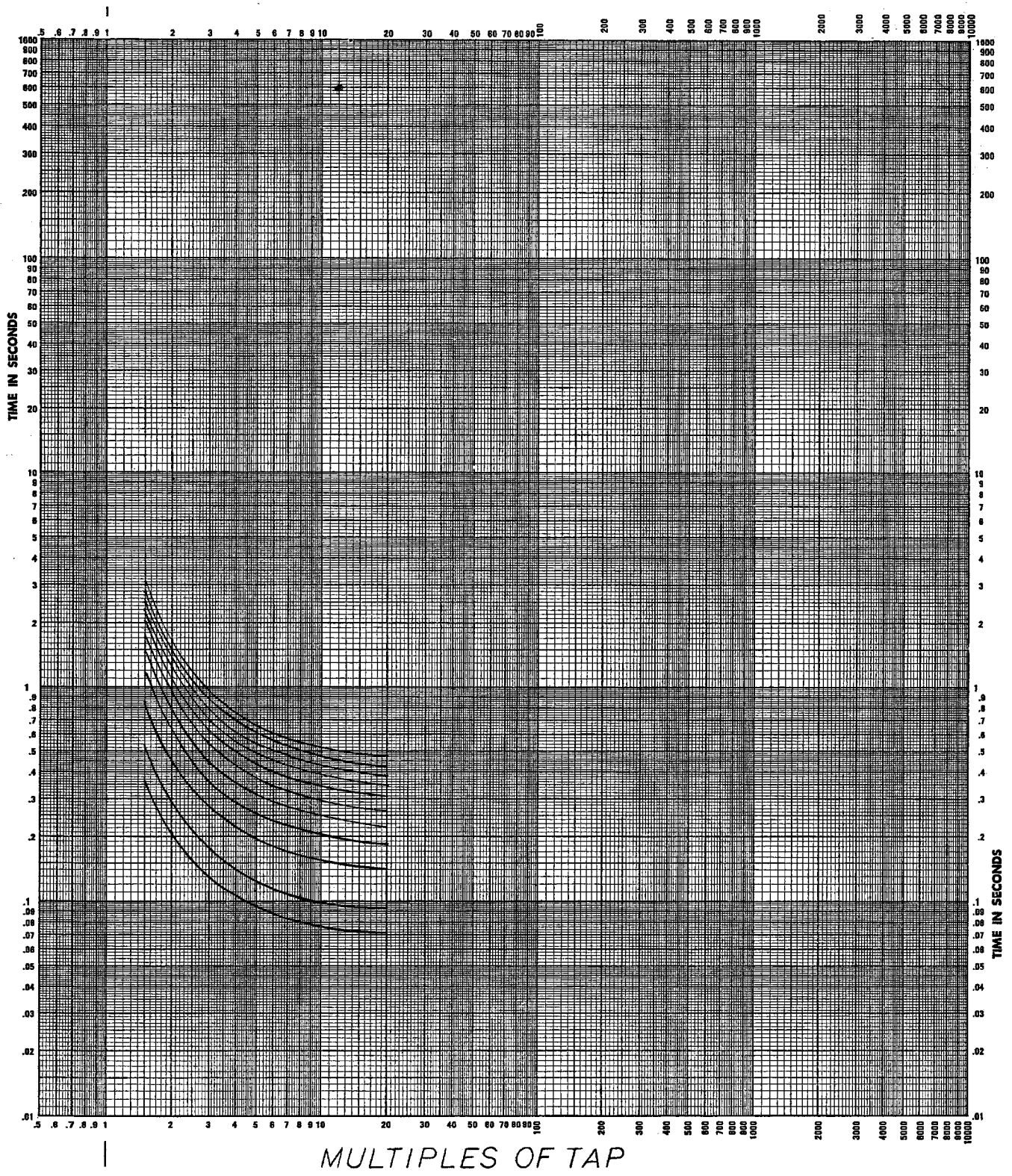


FIG. 1 (0183B4250-0) Time Curve For 12IAC95A(-)A

TIME OVERCURRENT RELAY
MODEL 12IAC95A(-)A
TYPE IAC

INTRODUCTION

This insert booklet along with the 12IAC55A(-)A instruction book (GEK-31010) form the instructions for the 12IAC95A(-)A relay.

DESCRIPTION

The 12IAC95A(-)A relay is similar to the 12IAC55A(-)A relay except for a lower burden and a moderately short time curve characteristic.

The 12IAC95A(-)A relay burden is shown in Table I of this booklet along with the modified short time curve which is shown in figure 1. Except for the above mentioned variations the 12IAC95A(-)A relay is the same as the 12IAC55A(-)A relay and can be tested per GEI-31010.

The internal connections diagram for the 12IAC95A(-)A relay is shown in figure 2 of this book.

TABLE I
BURDEN

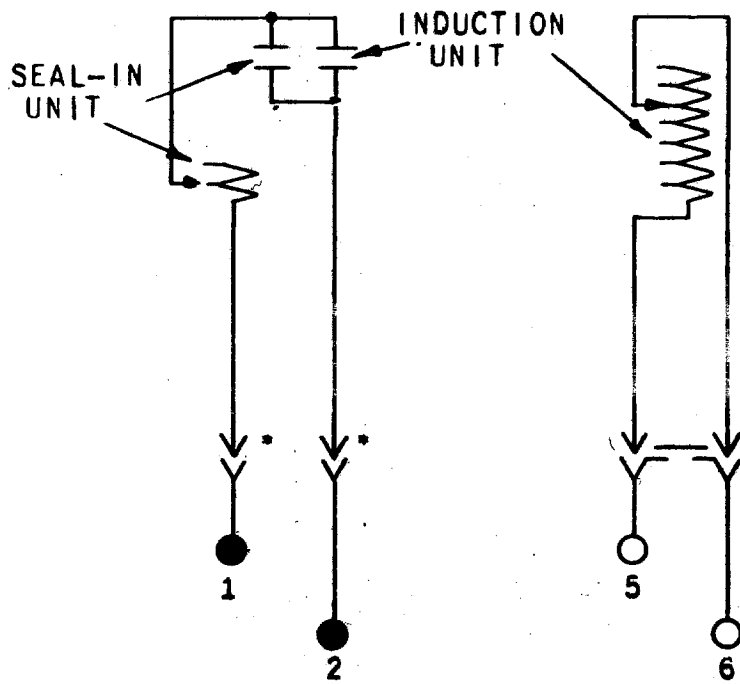
MIN. TAP	BURDEN AT MINIMUM PICKUP		
	VOLT AMPERES	WATTS	POWER FACTOR
1.5 AMPS	6.75	2.23	0.33

MULTIPLES OF MINIMUM TAP	BURDEN		
	VOLT AMPERES	WATTS	POWER FACTOR
3 X MIN. TAP	52.3	22.2	0.422
10 X MIN. TAP	259.0	166.0	0.643
20 X MIN. TAP	660.0	442.2	0.67

For Burdens of the other taps on the relay can be calculated with the following equation:

$$\text{Burden (other tap)} = \left(\frac{\text{Min. Tap (amperes)}}{\text{Other Tap (amperes)}} \right)^2 \times \text{Burden of Min. Tap}$$

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.



INTERNAL CONNECTIONS (FRONT VIEW) * = SHORT FINGER

FIG. 2 (K-6209658-10) Internal Connections Diagram