



THREE PHASE OFFSET MHO RELAY
TYPE CEB
MODEL 12CEB99AC(-)A

INTRODUCTION

This supplement in addition to the attached book, GEI-31086, constitutes the instructions for relay 12CEB99AC(-)A.

DESCRIPTION

The 12CEB99AC(-)A relay is similar to the 12CEB13B(-)A relay except that the units and offsets are all in the forward direction at 75 degrees lag.

RATINGS

MODEL	VOLTS	AMPS	FREQUENCY	OHMIC RANGE	OFFSET RANGE
12CEB99AC2A	115	5	60	4/20	0/4
12CEB99AC4A	115	1	50	20/100	0/20

APPLICATION

The phase mho units of the 12CEB99AC(-)A with their forward offset feature are readily used with a Type CEY51 relay, zone 1 mho units, to provide an overall "figure eight" relay characteristic. The 12CEB99AC(-)A units act as the second zone or overreaching units. They are set to overlap the zone 1 mho units with at least 20 percent of the zone 1 reach.

The "figure eight" characteristic is applied where the line protection requires a long forward reach setting and at the same time it is necessary to accomodate heavy line loadings or minor systems swings without causing relay operation.

TESTING INSTRUCTIONS

The unit can be tested according to the test circuits shown in the attached instruction book except that the offset reach is in the forward direction. See Figure 1 of this book for 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.

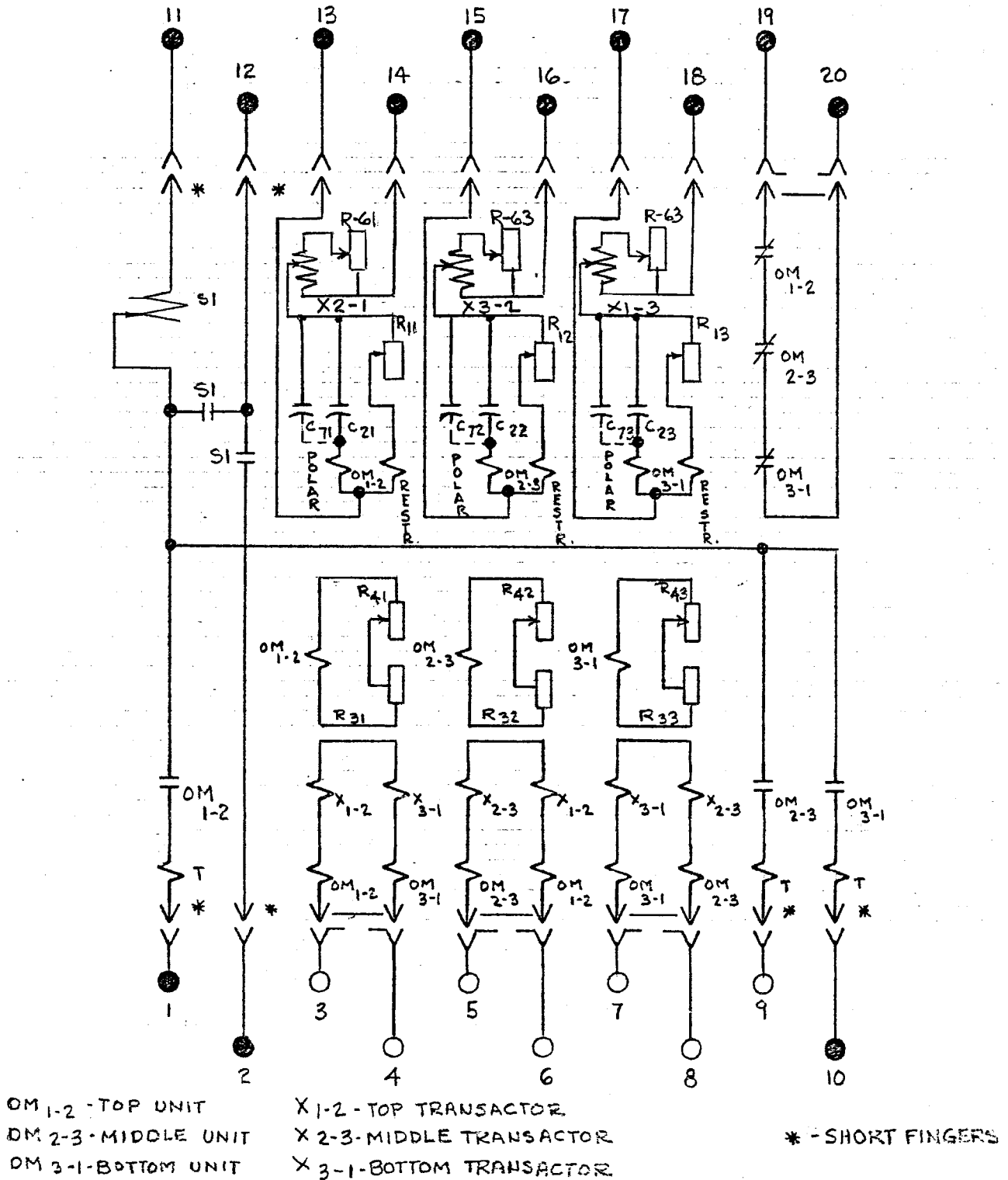


Fig. 1 (0165A6054-1) Internal Connections Diagram for the 12CEB99AC(-)A Relay

