

INSTRUCTIONS

GEI-50255



RELAYS

ANGLE IMPEDANCE RELAY

TYPE CEX17E

POWER SYSTEMS MANAGEMENT DEPARTMENT

GENERAL  ELECTRIC

PHILADELPHIA, PA.

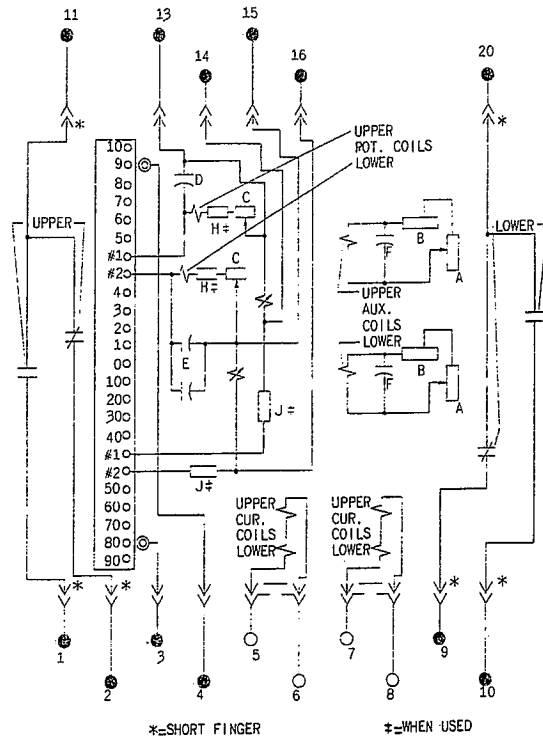


Fig. 1 (418A759)

Fig. 1 Internal Connections for 50-60 Cycle Type CEX17E Relay

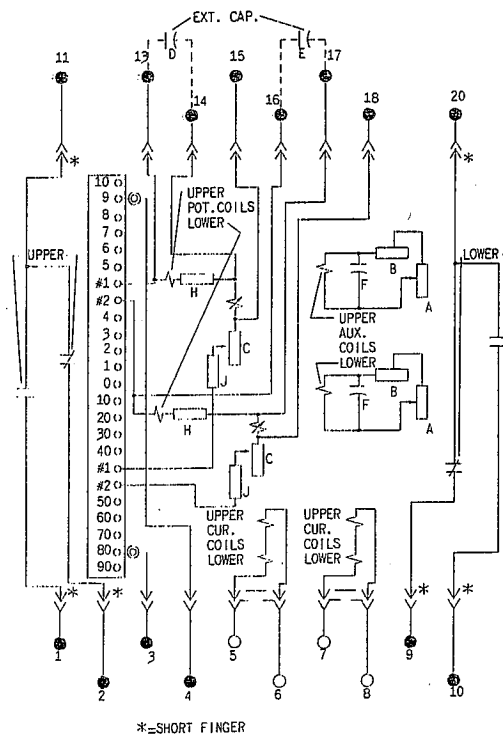


Fig. 2 (418A760)

Fig. 2 Internal Connections for 25 Cycle Type CEX17E Relay

ANGLE IMPEDANCE RELAY

TYPE CEX17E

INTRODUCTION

These instructions supplement instruction book GEI-38858 which is included in this book. The combination of the two form instructions for the Type CEX17E relay.

The Type CEX17E relay is similar to the Type CEX17D relay except for the contact circuit. In the Type CEX17E relay the single circuit-closing contact and the single circuit-opening contact are electrically connected while for the Type CEX17D relay they are electrically separate.

APPLICATION

The Type CEX17E is designed to be used with

the Type NAA19B relay for out-of-step system protection. To control steam emission to turbines in order to return the system to synchronism, a Type NAA19A relay should be used with the Type CEX17E relay.

INSTALLATION

The internal connections for the Type CEX17E relay are shown in Figs. 1 and 2 of this supplement. A typical external connection diagram is shown in Fig. 3 of this supplement.

The outline and panel drilling dimensions are shown in Fig. 4 of the attached instruction book.

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.

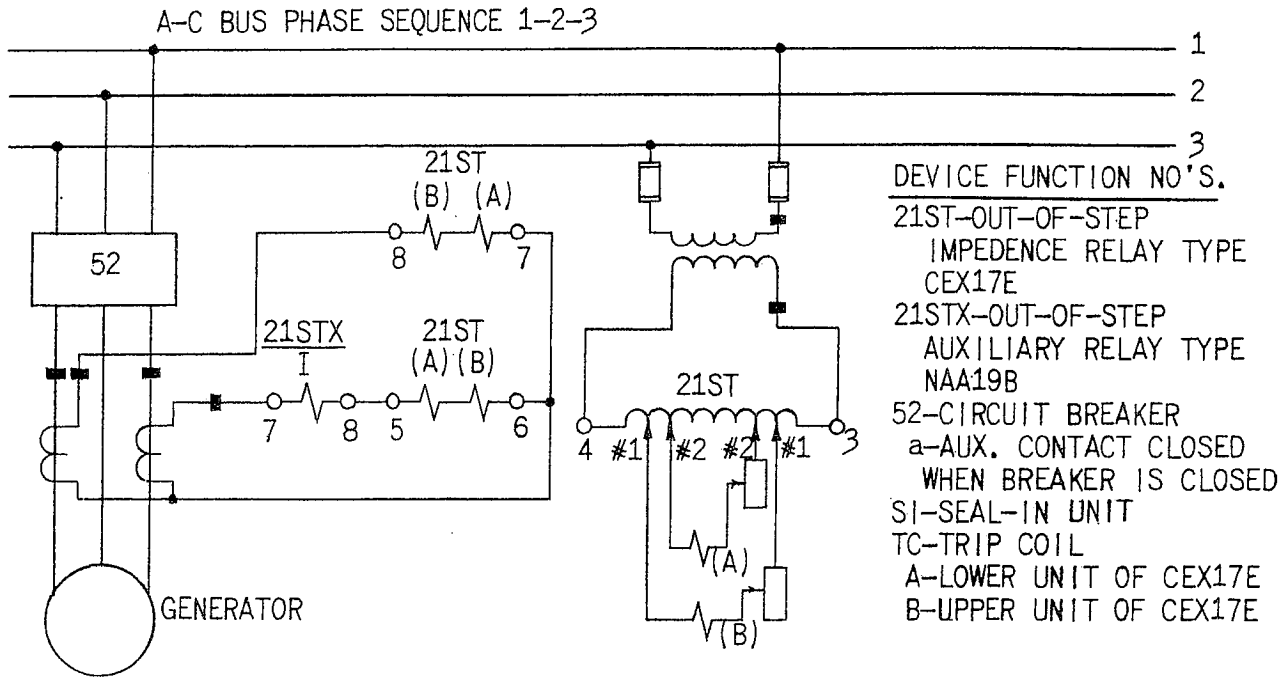


Fig. 3 (418A761)

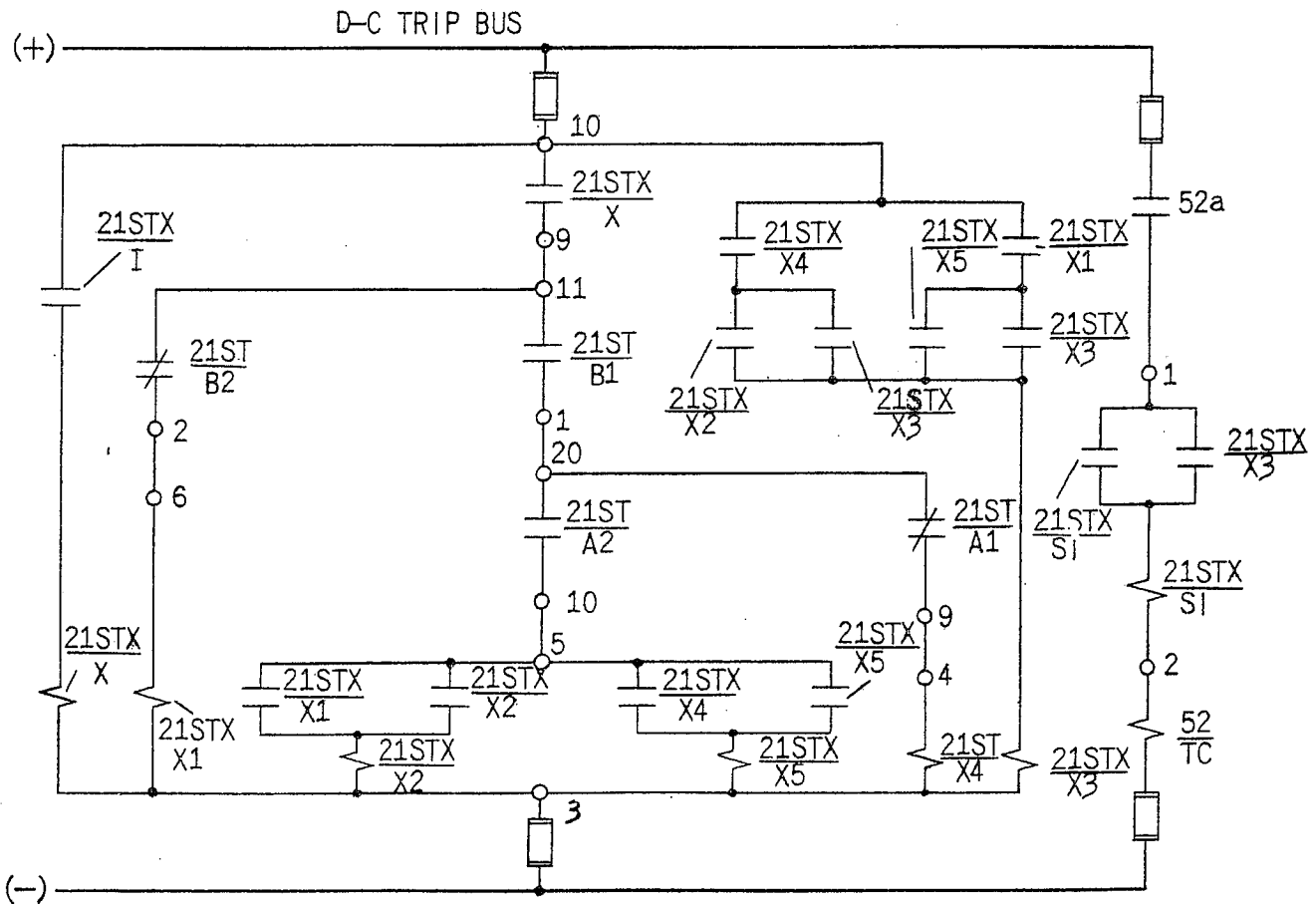


Fig. 3 Typical External Connections for Out-of-Step Protection Using Types CEX17E and NAA19B Relays