INSTRUCTIONS

TLS 1114
MODULAR RELAY SYSTEM
FOR
TRANSMISSION LINE PROTECTION

INTRODUCTION

This instruction book, together with insert booklet GEK-86638B, forms the instructions for the TLS 1114 Relay.

DESCRIPTION

The TLS 1114 is similar to the TLS 1109, which incorporates three (3) separate zones of protection. The feature that makes the two different lies in the DLA point locations. These distinguishing features are evident in the elementary diagrams, Figures 1, 2, 3, 4, and 5 of this insert 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.
# LIST OF FIGURES

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<th>DRAWING #</th>
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LEGEND:
CC1 - 1 POLE RECEIVER INPUT
CC2 - 2 POLE RECEIVER INPUT (IF USED)
CC3 - 3 POLE RECEIVER INPUT
CC4 - PERM. RCVR OR ZONE ACC. INPUT (IF USED)
CC5 - REMOTE SELECTION OF 3POLE TRIP MODE
CC6 - CHANNEL FAILURE ALARM INPUT FOR LINE PICKUP
--- USER CONNECTION FOR SURGE GROUND
CC7 - EXT. 3 POLE DIRECT TRIP WITH RECLOSE INITIATION
CC8 - EXT 3 POLE DIRECT TRIP WITHOUT RECLOSE INITIATION
CC9 - REMOTE CONTACT TO DISABLE ALL TRIP OUTPUTS
CC10 - REMOTE CONTACT TO RESET TARGET LAMPS
CC11 - INHIBIT U/V INPUT FOR BUS SIDE POTENTIAL OR FOR
CC12 - PHASE SELECTION WITH PHASE IDENTIFIED CHANNELS (IF USED)
Figure 3 (018485787 Sh.3) Elementary for TLS 1114
Figure 4 (018485787 Sh.4) Elementary for TLS 1114
Figure 5 (018485787 Sh.5) Elementary for TLS 1114