



INSTRUCTIONS

DFP1***02**

DFP100 WITH REDUCED MINIMUM SETTING ON TOC AND NEGATIVE SEQUENCE PICKUP

INTRODUCTION

These instructions, GEK-105579 together with GEK-105545, constitute the complete instructions for the DFP1*****02.

DESCRIPTION

This relay has the following differences from the standard relay described in GEK-105545:

The ranges of the TOC for phase and GND has been changed to 0.50 - 6.00 amps rms and the range for Negative Sequence TOC has been changed to 0.50 - 6.00 amps rms.

These instructions do not purport to cover all details or variations in equipment nor 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.

CALCULATIONS OF SETTINGS

1. In the **Calculation of Settings** section of the GEK-105545 Instruction Book, replace the following items with the corresponding items in Table 3-1:

Table 3-1. DFP100 Relay Settings

CATEGORY	SETTING NAME	RANGE	INCREMENT	DEFAULT
TIME OVERCURRENT { SET }	DISABLE PHASE TOC CURVE PHASE TOC	1 (YES)/0 (NO) 1 (EXT INV) 2 (VERY INV.) 3 (INVERSE)		YES 3 (INVERSE)
	PICKUP PHASE TOC	0.50 - 6.00	0.01 amps	1.00
	TIME DIAL PHASE TOC	0.5 -10.0	0.1	10.0
	DISABLE GROUND TOC CURVE GROUND TOC	1 (YES)/ 0(NO) 1 (EXT INV) 2 (VERY INV.) 3 (INVERSE)		YES 3 (INVERSE)
	PICKUP GROUND TOC	0.50 - 6.00	0.01 amps	1.00
	TIME DIAL GROUND TOC	0.5 -10.0	0.1	10.0
NEGATIVE SEQUENCE { SET }	DISABLE NEG. SEQ. DT	1(YES)/0(NO)		YES
	PICKUP NEG. SEQ. DT	1.00 - 12.00	0.01 amps	1.00
	DELAY NEG. SEQ. DT	0 - 100.00	0.01 seconds	0
	DISABLE NEG. SEQ. TOC CURVE NEG. SEQ. TOC	1(YES)/0(NO) 1 (EXT INV) 2 (VERY INV.) 3 (INVERSE)		YES 3 (INVERSE)
	PICKUP NEQ. SEQ. TOC	0.50 - 6.00	0.01 amps	1.00
	NEG. SEQ. TOC TIME DIAL	0.5 - 10.0	0.1	10.0

2. Replace the following paragraphs in the Time Overcurrent Settings section.

Pickup Phase TOC - This setting establishes the pickup level of the Phase TOC function. The range is 0.50 - 6.00 amps RMS.

Pickup Ground TOC - This setting establishes the pickup level of the ground TOC function. The range is 0.50 - 6.00 amps RMS.

3. Replace the following paragraphs in the Time Overcurrent settings section.

Pickup Neg. Seq. TOC - This setting establishes the pickup level of the Neg. Seq. TOC function. the range is 0.50 - 6.00 amps RMS.



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