



## INSTRUCTIONS

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**DFP1\*\*\*\*\*23**

### **DFP100 WITH DECREASED SETTING ON PHASE OVERCURRENT UNITS**

#### **Introduction**

These instructions, GEK-106258 together with GEK-105545, constitute the complete instructions for the DFP1\*\*\*\*\*23.

#### **Description**

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

The ranges of the NEGATIVE SEQUENCE TOC has been changed to 0.1 - 0.12 amps rms and the range for NEGATIVE SEQUENCE DEFINITE TIME has been changed to 0.1-16.00 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
NEGATIVE SEQUENCE { SET }	DISABLE NEG. SEQ. DT	1(YES)/0(NO)		YES
	(*) PICKUP NEG. SEQ. DT	0.1 - 16.00	0.01 amps	1.00
	DELAY NEG. SEQ. DT	0 - 100.00	0.01 seconds	0
	DISABLE NEG. SEQ. TOC	1(YES)/0(NO)		YES
	CURVE NEG. SEQ. TOC	1 (EXT INV 2 (VERY INV.) 3 (INVERSE)		3 (INVERSE)
	(*) PICKUP NEQ. SEQ. TOC	0.10 - 1.2	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 **Negative Sequence 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.

**Pickup Neg. Seq. DT** - This setting establishes the pickup level of the Neg. Seq. DT function. The range is 0.50 - 80.00 amps RMS.



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