



## INSTRUCTIONS

---

**DFP1\*\*\*\*\*04**

### **DFP100 WITH INCREASED MAXIMUM SETTING ON THE PT TURNS RATIO**

#### **Introduction**

These instructions, GEK-105581 together with GEK-105545, constitute the complete instructions for the DFP1\*\*\*\*\*04.

#### **Description**

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

The range of the PT Ratio has been increased to 4000.

*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
GENERAL { SET G }	DISABLE RELAY	1 (YES)/0 (NO)		NO
	LINE FREQUENCY	50 (0)/60 (1)	Hertz	60
	PHASE CT RATIO	1 - 2000	1	1
	GROUND CT RATIO	1 - 2000	1	1
	VT RATIO	1 - 4000	1	1
	BREAKER NUMBER	.....		0
	DEFAULT SETTINGS GROUP	1 - 6	1	1
	PHASE ROTATION	ABC/CBA		ABC
	COLD LOAD PICKUP START TIME	0 - 240.00	0.01 sec.	0.01
	COLD LOAD DROPOUT TIME	0 - 240.00	0.01 sec.	0.01
	52b WIRED	1 (YES)/ 0 (NO)		NO
	OPEN DELTA	1 (YES)/ 0 (NO)		0 (WYE-WYE)

2. Replace the following paragraph in the **Time Overcurrent Settings** section.

**VT Ratio** - This setting is used to specify the primary-to-secondary ratio of the voltage inputs to the DFP100. The range is 1 - 4000.



**GE Power Management**

215 Anderson Avenue  
 Markham, Ontario  
 L3R 1B3 Canada  
 Telephone (905) 294-6222  
[www.GEindustrial.com/pm](http://www.GEindustrial.com/pm)