



INSTRUCTIONS

DLP3**B0002**

INVERSE TOC FUNCTION DLP WITH KEYPAD

Introduction

These instructions, GEK-100618 together with GEK-99346, constitute the complete instructions for the DLP3****B0002.

Description

This relay has the following differences from the standard DLP relay described in GEK-99346.

1. The Time Over Current curve has been changed from Very Inverse to Inverse

Attachments

1. Inverse Time Over Current Curve for DLP for the Calculation of Settings section of the instruction book.
2. Acceptance test section update for DLP instruction book GEK-99346 for TOC test (T8).
- Change time interval from: 2.50 - 3.00 to: 2.00 - 3.00

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.

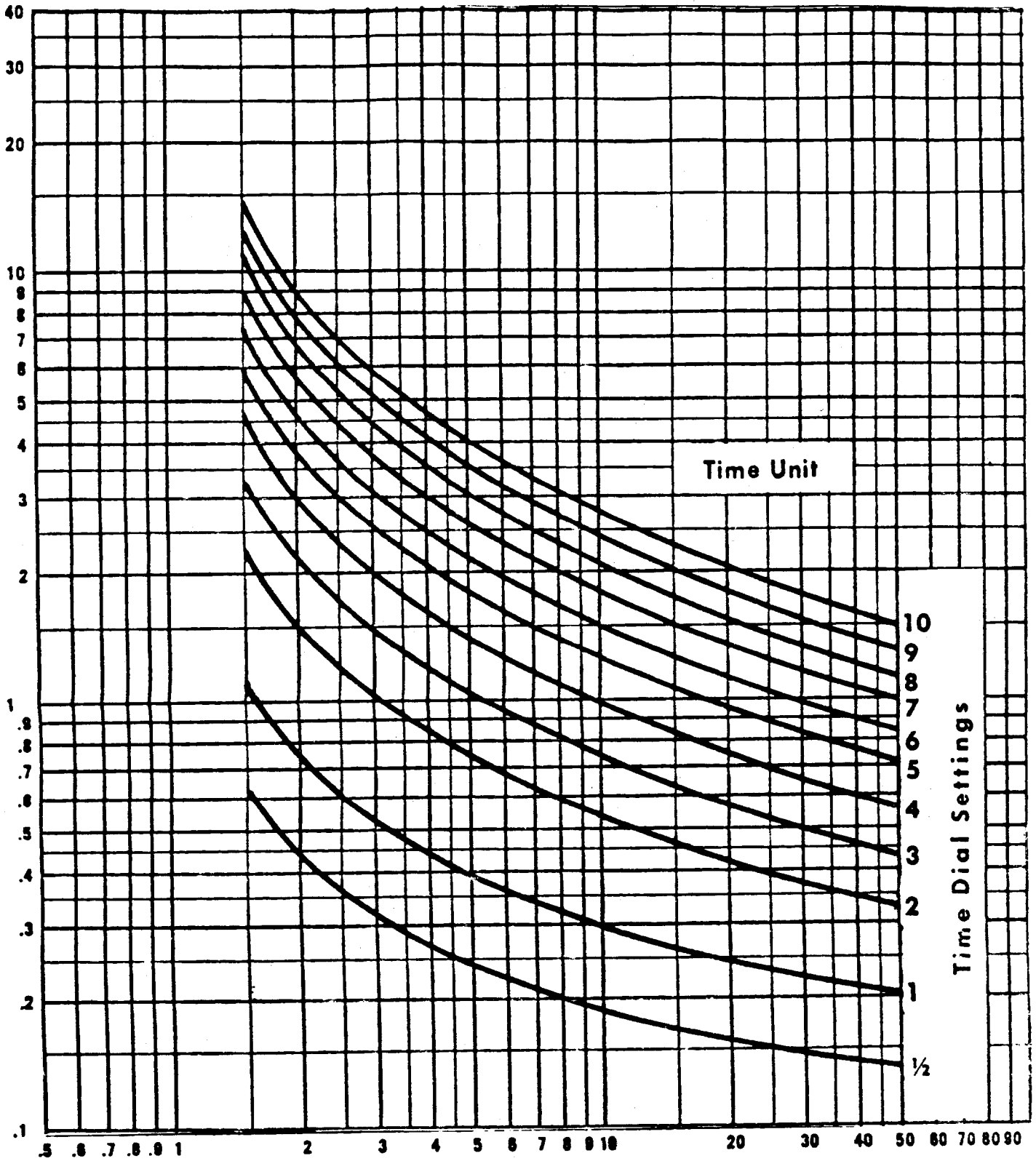


Figure A (0286A2047) Inverse Time Overcurrent Curve for DLP

T8 - Ground Time Overcurrent ITOC

Settings Changes:

OVERCUR

- (606) SELTOC = YES
- (608) PUTOC = 1.0 (1.0)
- (609) TDTOC = 5
- (607) SELDTOC = NO (directional control off)

1. Connect the relay as shown in figure AT-3.

NOTE: Start the timer when Iop is applied, and stop the timer when the RC closes (the relay trips).

2. Set the relay into the test mode with TOC selected: "T DLY GND OC ON".
3. Apply Iop at 3.0 amps rms and start the timer. Leave the current "on" until the RC contact closes, and stop the timer. The TOC will time out in 2.00 to 3.00 seconds.
3. Reduce Iop to zero (0).
4. Change the setting of (607)SELDTOC to "YES". Change (608)PUTOC to pretest setting.

GENERAL ZONE REACH TESTING CONSIDERATIONS

1. The Zone measuring units are checked in the "test mode" of operation. The RC "reclose cancel" contact indicates when the unit has operated. It is the **only** measure of whether the test passes or fails. The MMI target information is used for reference only. This is due to the fact that different test equipment and test methods might be used. They can alter the MMI output from what is shown.

The MMI output is shown for reference only, it is not part of the test. The MMI output includes the displayed Target Information.

2. When testing a particular zone, the other protection zones will be disabled so they do not time out and distort the results of the zone under test.

The backup protection functions will cause the relay to trip during zone testing, as they should. They need to be disabled to isolate the unit ZONE REACH under test.

Before doing any of the reach tests make the following setting changes:

OVERCUR

- (601) SELPH4 = NO
- (603) SELIDT = NO
- (606) SELTOC = NO

OUTOFSTEP

- (803) SELOSB = BLKNONE

NOTE: AFTER THE ZONE REACH TESTING IS COMPLETED RESTORE THE ABOVE SETTINGS TO THE PRETEST VALUES.

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