TDC-64

INSTALLATION AND OPERATION

MANUAL

VERSION 3.4 4/87

IMPORTANT

READ NOTES ON FIG. A AND SECTION III BEFORE BEGINNING INSTALLATION

**** IMPORTANT -- MASTER CLEAR THE TDC BEFORE BEGINNING THE PROGRAMMING PROCEDURE FOR THE UNIT****

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SECTION I

INTRODUCTION

The E.I.L. Model TDC-64 is a microprocessor based temperature defrost controller specifically designed for conventional or parallel compressor supermarket systems. It permits control of refrigeration compressors or liquid or suction solenoid valves based upon fixture temperature, and defrost control based on an internal 24 hour clock for initiations with time/temperature termination and a variable defrost run off time delay. It also provides a temperature alarm function caused by a high temperature in a case or box. The system is completely keyboard programmable or can be programmed off site using the communication feature when coupled with other E.I.L. systems.

SECTION II

SPECIFICATIONS/FEATURES

A. System Specifications

- Refrigeration Circuit Control	- 32 circuits
- Defrost Control	- 32 circuits/4 defrost times per day
- Analog Temperature Monitors	- 32/64 inputs, -30 degrees F, +97 degrees F
- Output Control Relays	- 3 amp @ 240 VAC
- Output Control Relay, Configuration	- see wiring diagram
- Processor Capabilities	- 24 hour, 7 day, 12 month, year programmable clock with automatic daylight savings time changeover and battery backup of program data and time clock for up to two (2) weeks
- Input	- 115VAC, 50/60 Hz single phase, 3 ampere input power
- Ambient	- +40 to +110 degrees F, 0% - 90% RH non-condensing
- Dimensions	- 24" x 36" x 7" - approximately 50 lbs., complete metal enclosure with hinged cover