

TABLE OF CONTENTS

PRECAUTIONS

- 1 General Safety Precautions
- 2 Operating Environment Precautions
- 3 Application Precautions

SECTION 1

Introduction

- 1-1 Component Names and Functions
- 1-2 System Configuration
- 1-3 Main Functions
- 1-4 E5ZE without Casing

SECTION 2

Preparations

- 2-1 List of Models
- 2-2 Mounting the Serial Communications Models
- 2-3 Setting Selectors and Switch
- 2-4 Installation
- 2-5 Power Supply and Input Wiring
- 2-6 Wiring CT Inputs and Control/Alarm Outputs
- 2-7 Connecting Communications

SECTION 3

Functions

- 3-1 Data Configuration
- 3-2 I/O Settings
- 3-3 Set Point and Process Value
- 3-4 Alarm Output Settings
- 3-5 Output Limitations
- 3-6 Ramp
- 3-7 Control Adjustments
- 3-8 Control Method Selection
- 3-9 Heating and Cooling Control
- 3-10 Heater Burnout Detection
- 3-11 SSR Failure Detection

SECTION 4

Troubleshooting

- 4-1 Troubleshooting Procedure
- 4-2 Communications Errors
- 4-3 Temperature Sensing Errors
- 4-4 Temperature Control Errors
- 4-5 Output Errors
- 4-6 HB Alarm and HS Alarm Errors

Appendices

- A Specifications
- B Current Transformer Specifications
- C Manually Setting PID Constants
- D Saving Data
- E Hardware Test
- F Available Models

Revision History