USERs GUIDE: describe how to use and operate the system

* Detailed Front panel layout diagram showing all important items/controls
* Detailed rear panel layout diagram showing all important items/controls
* Detailed description of how to use the depicted system controls
* System installation instructions
* Trouble shooting tables
* System operations
* Flow diagrams
* Figures

TECHNICAL: system theory and design

* Theory of operation/design manual
* References to figures, schematics, block diagrams, program code portions
* Annotated front and rear panel diagrams
* High and low level block diagrams
* Oftware and operational flow charts
* State diagrams and state tables
* Schematics
* Source code .c .h listing files for .asm

Contents

* Chapter 1 System of Operation
  + Introduction
    - Unit features
    - System Features
  + Front Panel Overview
  + Modes
    - Automatic mode
    - Manual mode
    - Limit mode
    - Alert mode
* Chapter 2 Hardware
  + Atmega128
  + Jtag programing interface
  + LCD Display
  + ADC 161S6S6
  + Multiplexer DG528
  + Thermistors
* Chapter3 Software
  + LCD software
  + FSM tasks
  + Button task
  + ADC 161S626 software
  + Temperature software
* Chapter 4 Schematics
* Chapter 5 Listing Files
  + ETCMS.c

Contents

* Chapter 1 Overview
  + Scope
  + Purpose
  + Organization of the standard
  + Candidate uses
* Chapter 2 Definitions
* Chapter 3 Structure of software user documentation
  + Overall structure of documentation
  + Initial components
  + Placement of critical information
* Chapter 4 Information content of software user documentation
  + Completeness of information
  + Accuracy of information
  + Content of identification data
  + Information for use of the documentation
  + concept of operations
  + information for general use of the software
  + information for procedures and tutorials
  + information on software commands
  + information on error messages and problem resolution
  + information on terminology
  + information of related information sources
* Chapter 5 Format of software user documentation
  + Consistency of terminology and doormats
  + Use of printed or electronic formats
  + Legibility
  + Formats for warnings cautions and notes
  + Format for instructions
  + Formats for representing user interface elements
  + Formats for documentation features for accessing information
  + Formats for features for navigation
  + Formats for illustrations
* Chapter 6 ANNEX A bibliography
* Chapter 7 ANNEX B indexing software user documentation
* Chapter 8 Index