Isotech Controllers and LabVIEW

Introduction

The majority of temperature controllers used in Isotech Dry Blocks, Baths and Furnaces are manufactured by Euortherm.

The controllers feature special firmware to improve the accuracy and user interface for Isotech equipment.

The communications protocol remains unchanged and Eurotherm documentation will be helpful for those writing software.

The Eurotherm controller will feature either Eurotherm Ei BiSynch protocol or Modbus.

The older 808 and 22xx family of controllers have used Ei Biysnch, the newer controllers and all Isotech Portable Dry Blocks produced since 2006 have used Modbus.

Identification

3216 Controller Has LCD Display Serial Number Scrolls Across Upper Display at Power Up Display Surround Silver Modbus Protocol	2216 Controller Has LED Display No Scrolling Text at Power Up Display Surround Green Ei BiSynch Protocol
For other models please advise the serial number of your Isotech equipment	

Drivers

We have Ei BiSych Drivers for Labview, up to 6.1 available on the website
http://www.isotech.info/software/labview/

Modbus Drivers

http://www.eurotherm.co.uk/labview/

Other drivers can be found at www.ni.com
Search the Instrument Driver Network: http://www.ni.com/devzone/idnet/

Documentation

The Eurotherm "2000 Series MODBUS and EI-BISYNCH Digital Communications Handbook (HA026230 Issue 2) (567 KB)" describe both protocols. It is available from the Eurotherm Document Library.

http://www.eurotherm.co.uk/document-library/

Trouble Shooting

Isotech equipment includes Cal Notepad Software, this supports both Ei Biynch and Modbus Protocol and can be used to verify the protocol and cable.

Isothermal Technology Limited Pine Grove, Southport, Merseyside PR9 9AG England
Telephone: +44 (0)1704 543830/544611 Fax: +44 (0)1704 544799 Email: info@isotech.co.uk Website: www.isotech.co.uk

Directors: J. P. Tavener C.Eng., MSc., M.I.E.E., I. F. Tavener, W. H. Peck Company Registration No: 1530620