

# Getting Started

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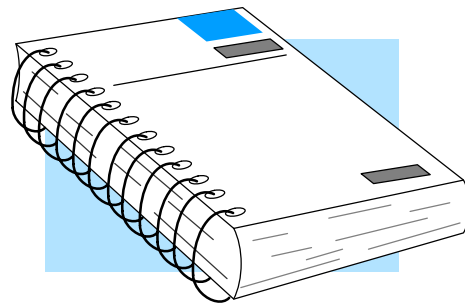
## In This Chapter. . . .

- About This Manual
- Conventions Used
- DL405 System Components

## About This Manual

### The Purpose of this Manual

This manual is written for the user of non-traditional CPU-slot controllers or I/O controllers who are also using our DL405 I/O products. This manual shows you how to install and wire the equipment. It provides specifications for input and output modules. It also helps you understand how to interface these products to other devices in a control system.



### Supplemental Manuals

In addition to this manual, you will want to have the appropriate manual for your CPU-slot controller and for the PC-based control software you will be using.

### Technical Support

We strive to make our manuals the best in the industry. We rely on your feedback to let us know if we are reaching our goal. If you cannot find the solution to your particular application, or, if for any reason you need additional technical assistance, please call us at

**770-844-4200.**

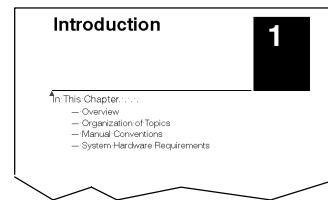
The technical support group is glad to work with you in answering your questions. They are available **weekdays from 9:00 a.m. to 6:00 p.m. Eastern Time**. Please visit our site on the worldwide web where you can find technical and nontechnical information about our products and our company.

**<http://www.automationdirect.com>.**

If you have a comment or question about any of our products, services, or manuals, please fill out and return the 'Suggestions' card that was shipped with this manual.

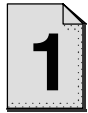
## Key Topics for Each Chapter

The beginning of each chapter will list the key topics that can be found in that chapter.



## Chapters

The main contents of this manual are organized into the following three chapters:



### Getting Started

introduces the various components of a DL405 system. Also includes tips on getting started and how to design a successful system.



### Installation and Wiring

shows how to prepare for system installation, and gives safety guidelines to help protect your personnel and machinery



### I/O Wiring and Specifications

Includes system and I/O wiring diagrams, and discrete I/O module specifications.

## Conventions Used



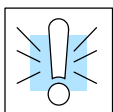
When you see the “light bulb” icon in the left-hand margin, the paragraph to its immediate right will give you a **special tip**.

The word **TIP:** in boldface will mark the beginning of the text.



When you see the “notepad” icon in the left-hand margin, the paragraph to its immediate right will be a **special note**.

The word **NOTE:** in boldface will mark the beginning of the text.



When you see the “exclamation mark” icon in the left-hand margin, the paragraph to its immediate right will be a **warning**. This information could prevent injury, loss of property, or even death (in extreme cases).

The word **WARNING:** in boldface will mark the beginning of the text.

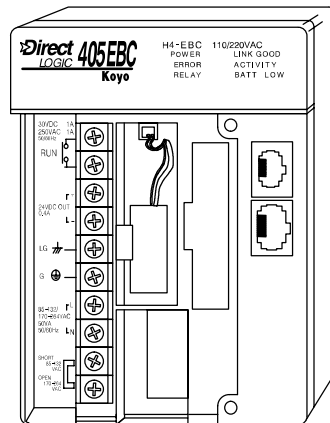
## DL405 System Components

- Bases** Three base sizes are available in the system: 4 slot, 6 slot and 8 slot.
- I/O Configuration** The CPU slot controllers can support up to 512 I/O points in an eight slot base with up to three expansion bases.
- I/O Modules** The DL405 family provides some of the most powerful modules in the industry. There is a complete range of discrete modules which support 24 VDC, 125 VDC, 110/220 VAC and up to 10A relay outputs. Analog modules provide 12 and 16 -bit resolution and several selections of input and output signal ranges (including bipolar).

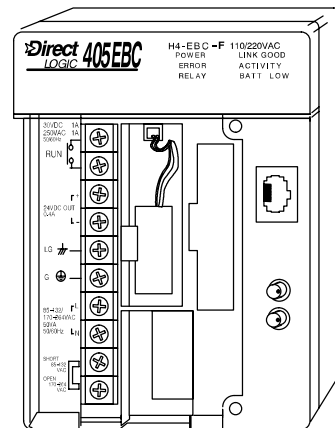
At this time, only the D4-HSC High Speed Counter Specialty Module is supported; no other intelligent modules are supported.

The controllers available at the time this manual was printed are:

- Ethernet Base Controller
  - H4-EBC
  - H2-EBC-F



H4-EBC



H4-EBC-F