

DL330/DL330P/DL340 CPU Specifications

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Overview

The CPU is the heart of the control system. Almost all system operations are controlled by the CPU, so it is important that it is set-up and installed correctly. This chapter provides the information needed to understand:

- the differences between the different models of CPUs
- the different memory options
- the steps required to setup and install the CPU.

DL330 CPU Features

The DL330 modular CPU is capable of controlling 176 I/O points and has 3.7K words of program storage. This CPU supports the RLL programming language and can save programs internally to RAM or UVPROM. There is a built-in programming port that directly supports the handheld programmer.

DL330P CPU Features

The DL330P modular CPU is capable of controlling 176 I/O points and has 3.7K words program storage. This CPU supports the RLL^{PLUS} programming language and can save programs internally to RAM or UVPROM. RLL^{PLUS} provides a structured programming environment for Relay Ladder Logic through the addition of stage logic. There is a built-in port that directly supports the handheld programmer.

DL340 CPU Features

The DL340 modular CPU is capable of controlling 184 I/O points and has 3.7K words program storage. This CPU supports the RLL programming language and can save programs internally to RAM, UVPROM or EEPROM. There is a handheld programming port and two built-in RS232C ports for PC programming, operator interfaces, or networking. If you are using the DL340 in a **DirectNET** network, you can use either port as a slave port and the bottom port as a master. The bottom port has the additional capability of being configured as a slave on a Modbus® network.

CPU Hardware Features

CPU Status Indicators		
RUN	ON	CPU is in RUN mode
	OFF	CPU is in Program mode
BATT	ON	Memory backup voltage low
	OFF	Memory backup voltage good
CPU	ON	CPU failure (Error detected when the watchdog timer is not processed within 100ms. The run output from the power supply will be turned off.)
	OFF	CPU good
PWR	ON	CPU power good
	OFF	CPU power failure
RX	ON	CPU communication port receiving data
	OFF	CPU communication port not receiving data
TX	ON	CPU communication port transmitting data
	OFF	CPU communication port not transmitting data

