



Ethernet PLC-5 Programmable Controllers

Catalog Numbers 1785-L20E, 1785-L40E, 1785-L80E, Series F

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About This Publication

This document describes how to install and troubleshoot your Ethernet PLC-5 programmable controller. For more information, see the documents listed on the following page or contact your local Rockwell Automation representative.

These installation instructions:

- provide the basic information you need to get your system up and running.
- provide specific bit and switch settings for modules.
- include high-level procedures with cross-references to other manuals for more detail.

IMPORTANT

In this document, we assume you are using a Series F Ethernet PLC-5 programmable controller.

Battery Type

Ethernet PLC-5 programmable controllers use 1770-XYC batteries that contain 0.65 grams of lithium.

Average Battery Lifetime Specifications

In This Controller:	At This Temperature	Worst-case Battery Life Estimates		
		Power Off 100%	Power Off 50%	Battery Duration After The LED lights ⁽¹⁾
PLC-5/20E, -5/40E, -5/80E	60 °C	84 days	150 days	5 days
	25 °C	1 year	1.2 years	30 days

⁽¹⁾The battery indicator (BATT) warns you when the battery is low. These durations are based on the battery supplying the only power to the controller (power to the chassis is off) once the LED first lights.

Memory and Channel Specifications

This table lists memory and channel specifications of each Ethernet PLC-5 programmable controller.

Cat. No.	Max User Memory (words)	Total I/O Max	Channels	Max Number of I/O Chassis				Power Dissipation, Max	Backplane Current Load
				Total	Extended -Local	Remote	ControlNet		
1785-L20E	16 k	512 any mix or 512 in + 512 out (complement)	1 Ethernet 1 DH+ 1 DH+/remote I/O	13	0	12	0	19 W	3.6 A
1785-L40E	48 k	2048 any mix or 2048 in + 2048 out (complement)	1 Ethernet 2 DH+/remote I/O	61	0	60	0	19 W	3.6 A
1785-L80E	100 k	3072 any mix or 3072 in + 3072 out (complement)	1 Ethernet 2 DH+/remote I/O	65	0	64	0	19 W	3.6 A

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