

## Quick Reference

Original Instructions



**Allen-Bradley**

by ROCKWELL AUTOMATION

# Micro800 Controllers Starter Pack

Catalog Numbers 2080-LC10-STARTERPACK, 2080-LC20-STARTERPACK, 2080-LC20-STARTERPACKL, 2080-LC50-STARTERPACK, 2080-LC50-STARTERPACKL, 2080-M870-STARTERPACK, 2080-M870-STARTERPACKL

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## Summary of Changes

This publication contains the following new or updated information. This list includes substantive updates only and is not intended to reflect all changes.

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Added Micro870 Starter Packs details	3

## About This Publication

The Allen-Bradley® Micro800™ Programmable Logic Controllers (PLCs) family, a part of the Rockwell Automation Micro Control System, is a range of small-sized controllers that are designed for use with standalone machines that require a limited amount of control.

The Starter Pack helps you to become acquainted with the Micro800 controllers and Connected Components Workbench™ programming, simulation, and configuration software.

## Getting Started

If you are using a Micro800 controller for the first time, we recommend that you follow the Micro800 Controllers Starter Pack Quick Start, publication [2080-0S004](#) – this guide provides step-by-step instructions on how to use a Micro800 controller and a PanelView™ 800 graphic terminal with Connected Components Workbench software.

For information on the Micro800 controllers, see the Micro Control Systems section at [rok.auto/micro800](http://rok.auto/micro800). This website contains the latest information on the different controllers, plug-in modules, and accessories that are available in the Micro800 family.

For Micro800 controller tutorial videos to help you shorten configuration and programming time, visit [rok.auto/micro800videos](http://rok.auto/micro800videos). This website also provides more information on the Micro800 control system.

For more advanced functionality of Micro800 controllers and reference information about the instruction set available, see the Micro800 Programmable Controllers General Instructions Reference Manual, publication [2080-RM001](#).

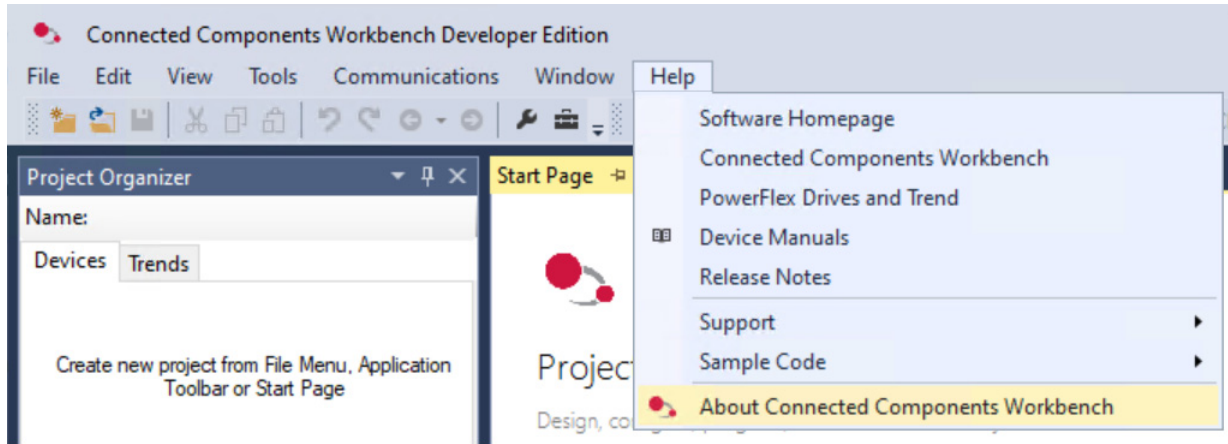
## Other Resources

### Connected Components Workbench Software

You can download the latest Connected Components Workbench (Standard Edition) software from [rok.auto/ccw](http://rok.auto/ccw). The software is also available in selected local languages. Registration is required.

For more Connected Components Workbench software tutorial videos, you can visit [rok.auto/ccwvideos](http://rok.auto/ccwvideos). These videos provide instructions on how to use Connected Components Workbench software to program your Micro800 controllers and configure PanelView 800 graphic terminals and related devices.

Details on Connected Components Workbench programming instructions, samples codes, and other help sources can also be found under the Help menu.



### PanelView 800 Graphic Terminals

For information on the PanelView 800 graphic terminals, see the PanelView 800 website at [rok.auto/pv800](http://rok.auto/pv800). This website contains the latest information, publications, configuration and selection tools, and other useful resources for you.

For PanelView 800 graphic terminal tutorial videos, visit [rok.auto/pv800videos](http://rok.auto/pv800videos). These videos provide tips and tricks to help you make the most of your PanelView800 graphic terminals using Connected Components Workbench software.

### Sample Code Library

The [Sample Code Library](#) allows you to retrieve samples of codes that are developed by others and allows you to post codes that others might find helpful. Enter the keyword "Micro800" in the Search field to discover available sample codes for Micro800 controllers that you can use in your applications to help shorten your development time.

### Knowledgebase

The Knowledgebase is an online resource site where you can find technical information, support chat and forums, software updates, and product safety advisories/notices for Rockwell Automation products. Registration is required.

Visit the Knowledgebase at [rok.auto/knowledgebase](http://rok.auto/knowledgebase).

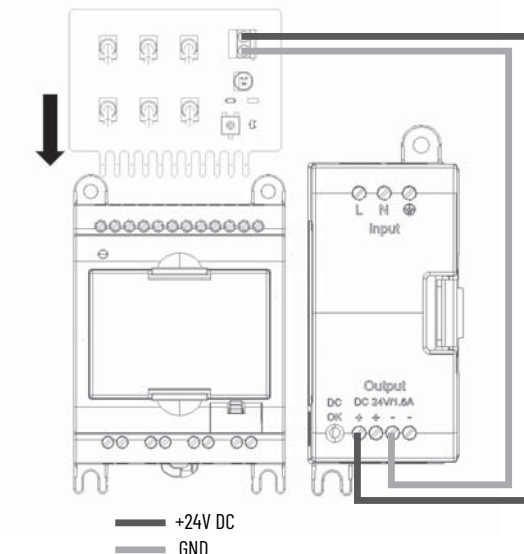
## Wiring the Input Simulator

### Micro810 Starter Pack

To start using the Micro810® input simulator, insert the input simulator into the input terminal of the Micro810 controller as shown.

The input simulator consists of six digital switches and one analog simulator.

Supply 24V DC power to the input simulator. Additional 24V DC connection is **not required** to power the Mico810 controller.

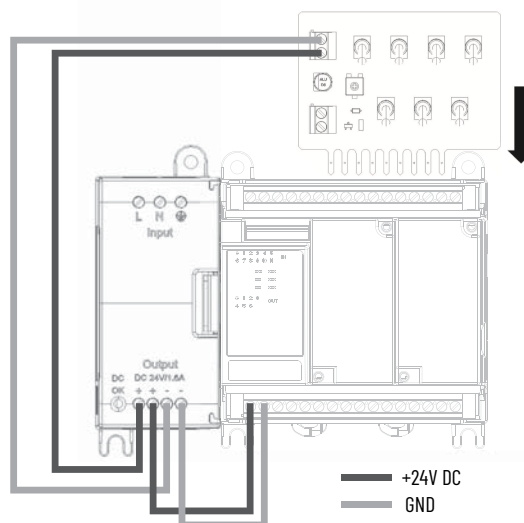


### Micro820 Starter Pack

To start using the Micro820® input simulator, insert the input simulator into the input terminal of the Micro820 controller as shown. Verify that the COM0 terminal of the input simulator is connected to the COM0 input terminal of the Micro820 controller.

The input simulator consists of seven digital switches and one analog simulator. To use the analog simulator, connect the analog output of the input simulator to either of the input channel (Inputs I-00, I-01, I-02, and I-03 are shared between digital and analog inputs) of the Micro820 controller.

Supply 24V DC power to the input simulator. Additional 24V DC connection is **required** to power the Micro820 controller.

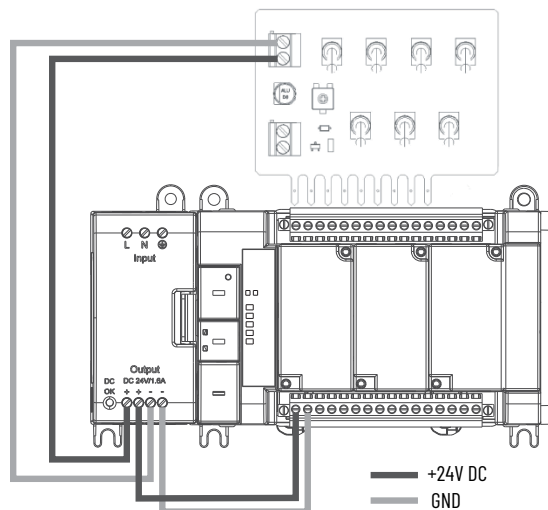


### Micro850 and Micro870 Starter Packs

To start using the Micro850® or Micro870® input simulator, insert the input simulator into the input terminal of the Micro850 or Micro870 controller as shown.

The input simulator consists of seven digital switches and one analog simulator. To use the analog simulator, connect the analog output of the input simulator to the analog input channel of the 2080-IF2 plug-in.

Supply 24V DC power to the input simulator. Additional 24V DC connection is **required** to power the Micro850 or Micro870 controller.



## Additional Resources

These documents contain additional information concerning related products from Rockwell Automation. You can view or download publications at [rok.auto/literature](http://rok.auto/literature).

Resource	Description
Micro800 Controllers Starter Pack Quick Start, publication <a href="#">2080-0S004</a>	Provides instructions on how to use the Micro800 controller, a PanelView 800 terminal, and Connected Components Workbench software.
Micro800 Programmable Controller Family Selection Guide, publication <a href="#">2080-SG001</a>	Provides information to help you select the Micro800 controller, plug-ins, expansion I/O, and accessories, based on your requirements.
Micro800 Programmable Controllers Technical Data, publication <a href="#">2080-TD001</a>	Provides detailed specifications for Micro800 controllers, expansion I/O modules, plug-in modules, and accessories.
Micro810 Programmable Controllers User Manual, publication <a href="#">2080-UM001</a>	Describes how to install, configure, use, and troubleshoot your Micro810 controller.
Micro820 Programmable Controllers User Manual, publication <a href="#">2080-UM005</a>	Describes how to install, configure, use, and troubleshoot your Micro820 controller.
Micro830, Micro850, and Micro870 Programmable Controllers User Manual, publication <a href="#">2080-UM002</a>	Describes how to install, configure, use, and troubleshoot your Micro830®, Micro850, and Micro870 controllers.
Micro800 Expansion I/O Modules User Manual, publication <a href="#">2080-UM003</a>	Describes how to install, configure, use, and troubleshoot your Micro800 expansion I/O modules
Micro800 Plug-in Modules User Manual, publication <a href="#">2080-UM004</a>	Describes how to install, configure, use, and troubleshoot your Micro800 plug-in modules.
Micro800 Programmable Controllers General Instructions Reference Manual, publication <a href="#">2080-RM001</a>	Provides reference information about the instruction set available for developing programs for use in Micro800 control systems.
PanelView 800 HMI Terminals User Manual, publication <a href="#">2711R-UM001</a>	Provides information on how to configure, use, and troubleshoot your PanelView 800 HMI terminal.
EtherNet/IP Network Devices User Manual, publication <a href="#">ENET-UM006</a>	Describes how to configure and use EtherNet/IP™ devices to communicate on the EtherNet/IP network.
Ethernet Reference Manual, publication <a href="#">ENET-RM002</a>	Describes basic Ethernet concepts, infrastructure components, and infrastructure features.
System Security Design Guidelines Reference Manual, publication <a href="#">SECURE-RM001</a>	Provides guidance on how to conduct security assessments, implement Rockwell Automation products in a secure system, harden the control system, manage user access, and dispose of equipment.
Industrial Components Preventive Maintenance, Enclosures, and Contact Ratings Specifications, publication <a href="#">IC-TD002</a>	Provides a quick reference tool for Allen-Bradley industrial automation controls and assemblies.
Safety Guidelines for the Application, Installation, and Maintenance of Solid-state Control, publication <a href="#">SGI-1.1</a>	Designed to harmonize with NEMA Standards Publication No. ICS 1.1-1987 and provides general guidelines for the application, installation, and maintenance of solid-state control in the form of individual devices or packaged assemblies incorporating solid-state components.
Industrial Automation Wiring and Grounding Guidelines, publication <a href="#">1770-4.1</a>	Provides general guidelines for installing a Rockwell Automation industrial system.
Product Certifications website, <a href="http://rok.auto/certifications">rok.auto/certifications</a>	Provides declarations of conformity, certificates, and other certification details.

**Notes:**

# Rockwell Automation Support

Use these resources to access support information.

<b>Technical Support Center</b>	Find help with how-to videos, FAQs, chat, user forums, Knowledgebase, and product notification updates.	<a href="http://rok.auto/support">rok.auto/support</a>
<b>Local Technical Support Phone Numbers</b>	Locate the telephone number for your country.	<a href="http://rok.auto/phonesupport">rok.auto/phonesupport</a>
<b>Technical Documentation Center</b>	Quickly access and download technical specifications, installation instructions, and user manuals.	<a href="http://rok.auto/techdocs">rok.auto/techdocs</a>
<b>Literature Library</b>	Find installation instructions, manuals, brochures, and technical data publications.	<a href="http://rok.auto/literature">rok.auto/literature</a>
<b>Product Compatibility and Download Center (PCDC)</b>	Download firmware, associated files (such as AOP, EDS, and DTM), and access product release notes.	<a href="http://rok.auto/pcdc">rok.auto/pcdc</a>

## Documentation Feedback

Your comments help us serve your documentation needs better. If you have any suggestions on how to improve our content, complete the form at [rok.auto/docfeedback](http://rok.auto/docfeedback).

## Waste Electrical and Electronic Equipment (WEEE)



At the end of life, this equipment should be collected separately from any unsorted municipal waste.





Rockwell Automation maintains current product environmental compliance information on its website at [rok.auto/pec](http://rok.auto/pec).

Allen-Bradley, Connected Components Workbench, expanding human possibility, Micro800, Micro810, Micro820, Micro830, Micro850, Micro870, PanelView, Rockwell Automation, and TechConnect are trademarks of Rockwell Automation, Inc.

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