

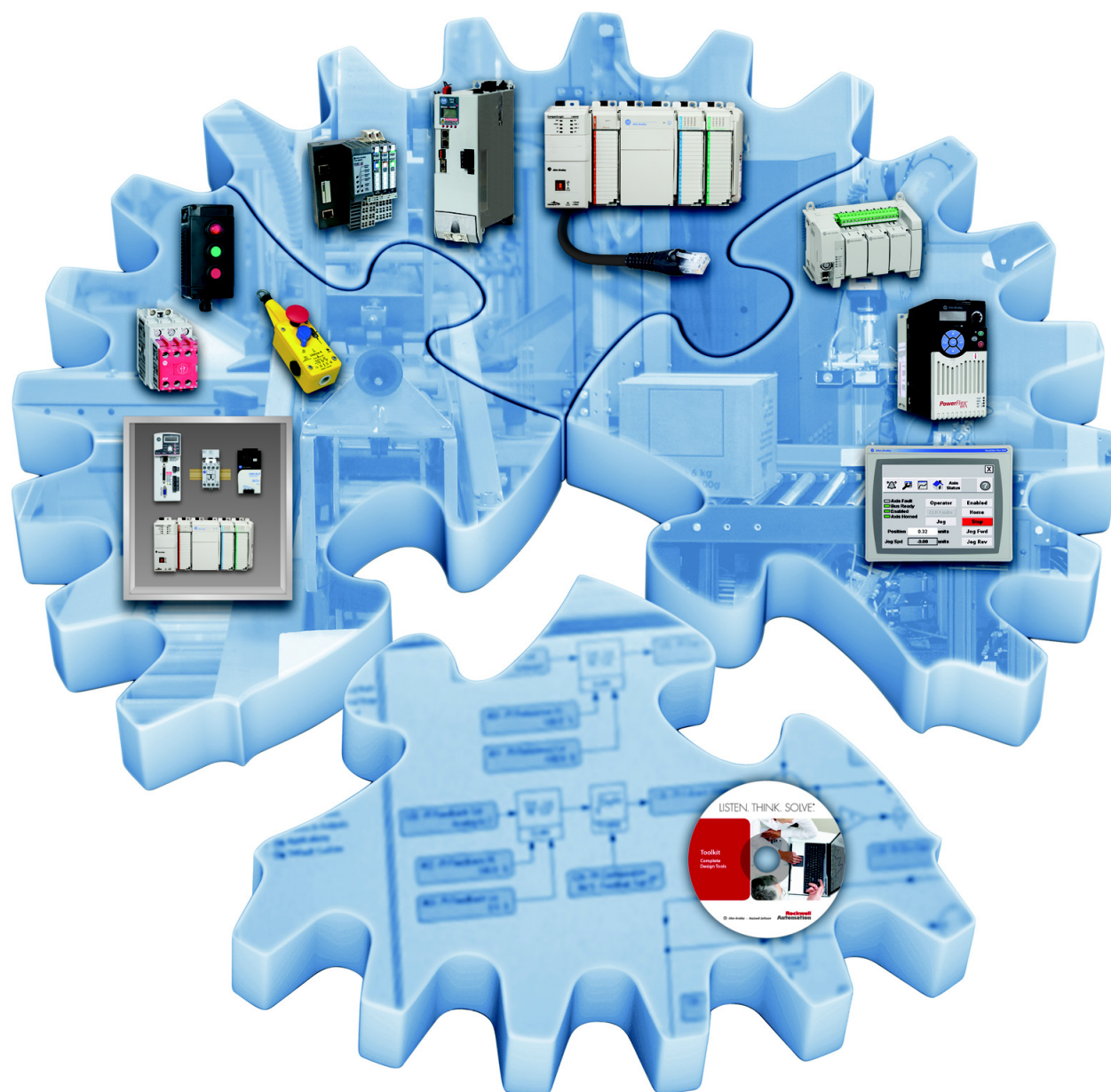
Quick Reference

Original Instructions



Micro800 Controllers Starter Pack

Catalog Numbers 2080-LC10-Starterpack, 2080-LC20-Starterpack, 2080-LC20-StarterpackL, 2080-LC50-Starterpack, 2080-LC50-StarterpackL



Important User Information

Read this document and the documents listed in the additional resources section about installation, configuration, and operation of this equipment before you install, configure, operate, or maintain this product. Users are required to familiarize themselves with installation and wiring instructions in addition to requirements of all applicable codes, laws, and standards.

Activities including installation, adjustments, putting into service, use, assembly, disassembly, and maintenance are required to be carried out by suitably trained personnel in accordance with applicable code of practice.

If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

In no event will Rockwell Automation, Inc. be responsible or liable for indirect or consequential damages resulting from the use or application of this equipment.

The examples and diagrams in this manual are included solely for illustrative purposes. Because of the many variables and requirements associated with any particular installation, Rockwell Automation, Inc. cannot assume responsibility or liability for actual use based on the examples and diagrams.

No patent liability is assumed by Rockwell Automation, Inc. with respect to use of information, circuits, equipment, or software described in this manual.

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Throughout this manual, when necessary, we use notes to make you aware of safety considerations.

	WARNING: Identifies information about practices or circumstances that can cause an explosion in a hazardous environment, which may lead to personal injury or death, property damage, or economic loss.
	ATTENTION: Identifies information about practices or circumstances that can lead to personal injury or death, property damage, or economic loss. Attentions help you identify a hazard, avoid a hazard, and recognize the consequence.
IMPORTANT	Identifies information that is critical for successful application and understanding of the product.

Labels may also be on or inside the equipment to provide specific precautions.

	SHOCK HAZARD: Labels may be on or inside the equipment, for example, a drive or motor, to alert people that dangerous voltage may be present.
	BURN HAZARD: Labels may be on or inside the equipment, for example, a drive or motor, to alert people that surfaces may reach dangerous temperatures.
	ARC FLASH HAZARD: Labels may be on or inside the equipment, for example, a motor control center, to alert people to potential Arc Flash. Arc Flash will cause severe injury or death. Wear proper Personal Protective Equipment (PPE). Follow ALL Regulatory requirements for safe work practices and for Personal Protective Equipment (PPE).

About This Publication

The Allen-Bradley® Micro800® PLC family, a part of the Rockwell Automation® Connected Components solution, is a range of small-sized controllers designed for use with standalone machines requiring a limited amount of control.

The Starter Pack helps you to become acquainted with the Micro800 Programmable Logic Controllers (PLCs) and Connected Components Workbench™ programming and configuration software.

Getting Started

We recommend that you visit our dedicated Micro800 website:

<http://ab.rockwellautomation.com/Programmable-Controllers/Micro800>

This website contains the latest information, publications, configuration and selection tools, and other useful resources for you.

If you are a first-time user, we recommend that you follow the Micro800 and Connected Components Workbench Getting Started Guide, publication [2080-QR001](#) – this guide provides step-by-step instructions on how to start using the Micro800 and Connected Components Workbench software.

For more advanced functionality of Micro800 controllers, such as usage of different programming languages and design of the whole control system, follow the Micro800 and Connected Components Workbench Application Guide, publication number [2080-QR002](#).

If you are a Micro810® controller user and intend to program your PLC via the LCD display without the programming software, follow the Using Micro810 Smart Relay Functionality (no software) chapter of the Getting Started Guide.

TIP If additional help is required, check out the latest information on our dedicated Micro800 website.
You may also request support from your local Allen-Bradley distributor or sales office.

Additional Resources

These documents contain additional information concerning related products from Rockwell Automation.

Resource	Description
Micro810 Programmable Controllers User Manual, publication 2080-UM001	Information on features, installation, wiring, and usage of the Micro810 controllers.
Micro820 Programmable Controllers User Manual, publication 2080-UM005	Information on features, installation, wiring, and usage of the Micro820 controllers.
Micro830 and Micro850 Programmable Controllers User Manual, publication 2080-UM002	Information on features, installation, wiring, and usage of the Micro830 and Micro850 controllers.
Micro800 Digital and Analog Plug-in Modules User Manual, publication 2080-UM004	Information on features, installation, wiring, and usage of plug-ins for Micro800.
Micro800 Programmable Controllers Family Selection Guide, publication 2080-SG001	Information on features and specifications of the Micro800 controller family.

Resource	Description
PanelView 800 HMI Terminals User Manual, publication 2711R-UM001	Information on features, installation, wiring, and usage of the PanelView 800 HMI terminal.
Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1	Provides general guidelines for installing a Rockwell Automation industrial system.
Product Certifications website, http://www.rockwellautomation.com/global/certification/overview.page	Provides declarations of conformity, certificates, and other certification details.

You can view or download publications at <http://www.rockwellautomation.com/global/literature-library/overview.page>. To order paper copies of technical documentation, contact your local Allen-Bradley distributor or Rockwell Automation sales representative.

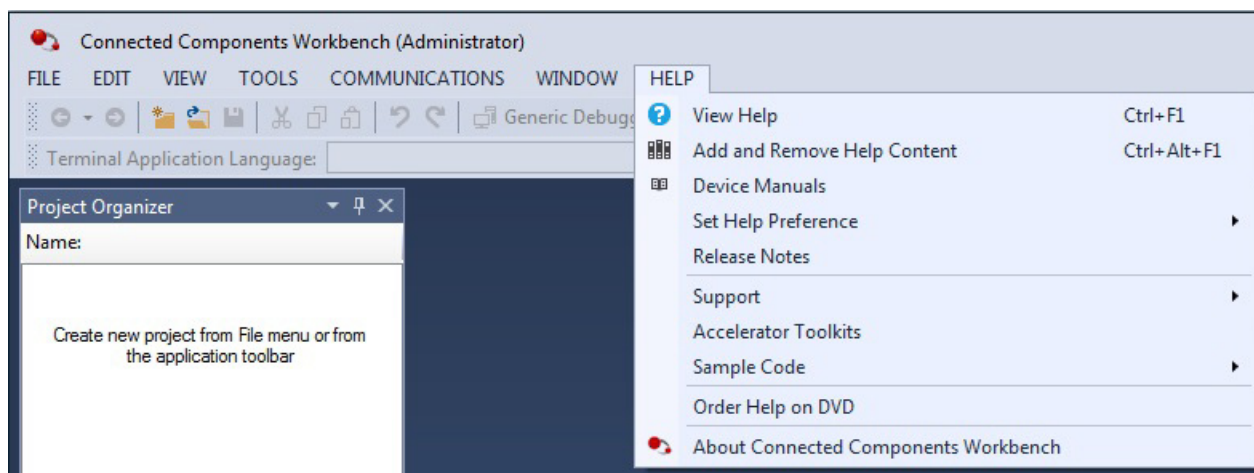
Other Resources

Connected Components Workbench

The latest Connected Component Workbench (Standard) can be easily downloaded from the following website. It is also available in selected local languages. Registration is required.

<http://www.rockwellautomation.com/global/products-technologies/connected-components/tools/overview.page>

Details on Connected Component Workbench programming instructions, samples codes, and other help sources can be found under Connected Component Workbench **Help**.



PanelView 800

For information on the PanelView™ 800 HMI, refer to the dedicated PanelView 800 website.

<http://ab.rockwellautomation.com/Graphic-Terminals/2711R-PanelView-800-Graphic-Terminals>

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.

<https://rockwellautomation.custhelp.com/>

Sample Code Library

The Sample Code Library allows you to retrieve samples of codes that have been previously developed by other users and allows you to post codes that others might find helpful.

<http://www.rockwellautomation.com/go/scmicro800/>

Training Videos

For easy learning, we have posted a list of training videos on Youtube. These videos provide step-by-step instructions on how to use Micro800 and Connected Component Workbench.

[https://www.youtube.com/user/ROKAutomation/Connected_Components_Workbench\(CCW\)_Software_Tutorials](https://www.youtube.com/user/ROKAutomation/Connected_Components_Workbench(CCW)_Software_Tutorials)

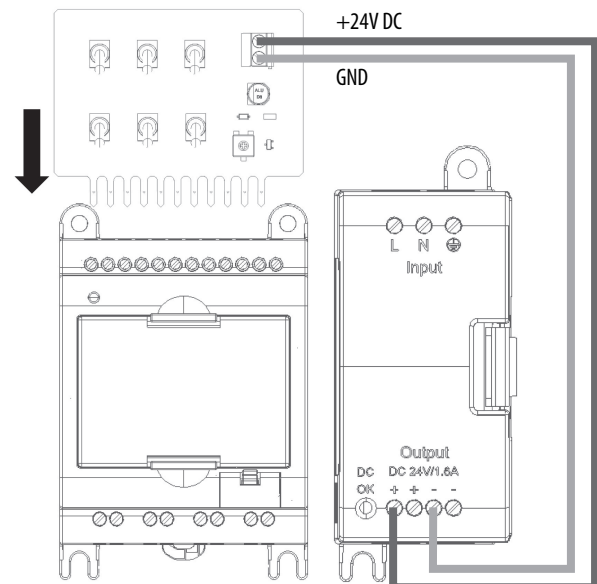
Wiring the Input Simulator

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 Micro810 controller.

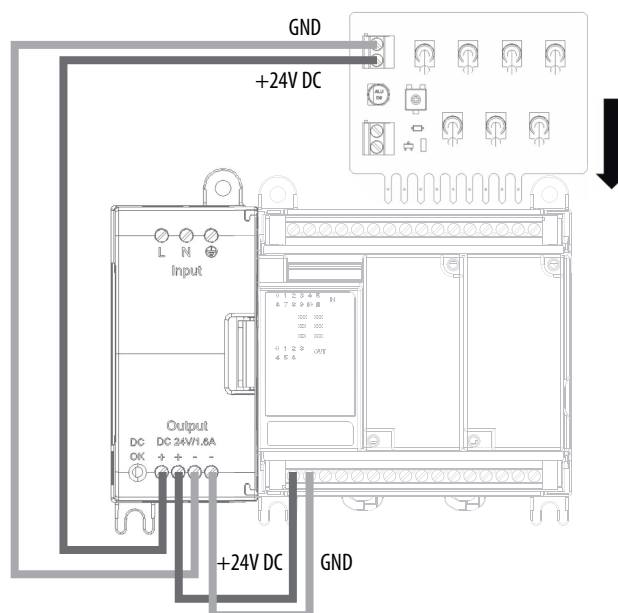


Micro820 Starter Pack

To start using the Micro820™ input simulator, insert the input simulator into the input terminal of the Micro820 controller as shown. Ensure that the COM0 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 stimulator. 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.

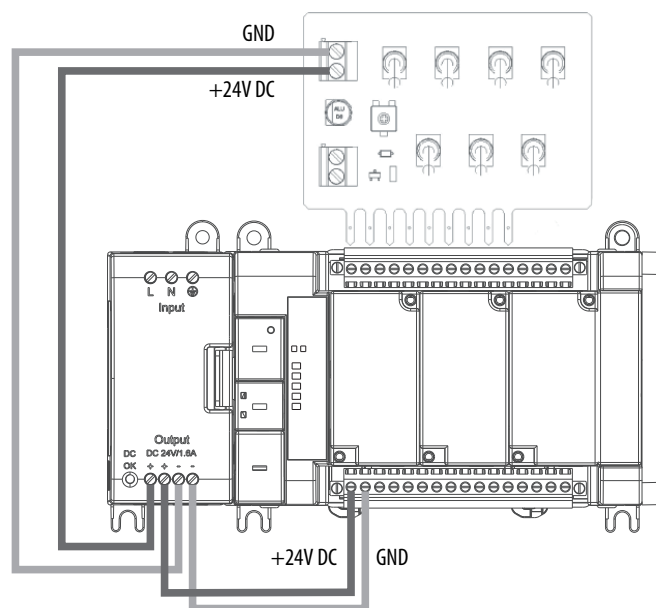


Micro850 Starter Pack

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

The input simulator consists of seven digital switches and one analog stimulator. 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 controller.



Rockwell Automation Support

Use the following resources to access support information.

Technical Support Center	Knowledgebase Articles, How-to Videos, FAQs, Chat, User Forums, and Product Notification Updates.	https://rockwellautomation.custhelp.com/
Local Technical Support Phone Numbers	Locate the phone number for your country.	http://www.rockwellautomation.com/global/support/get-support-now.page
Direct Dial Codes	Find the Direct Dial Code for your product. Use the code to route your call directly to a technical support engineer.	http://www.rockwellautomation.com/global/support/direct-dial.page
Literature Library	Installation Instructions, Manuals, Brochures, and Technical Data.	http://www.rockwellautomation.com/global/literature-library/overview.page
Product Compatibility and Download Center (PCDC)	Get help determining how products interact, check features and capabilities, and find associated firmware.	http://www.rockwellautomation.com/global/support/pcdc.page

Documentation Feedback

Your comments will help us serve your documentation needs better. If you have any suggestions on how to improve this document, complete the How Are We Doing? form at http://literature.rockwellautomation.com/idc/groups/literature/documents/du/ra-du002_-en-e.pdf.

Rockwell Automation maintains current product environmental information on its website at <http://www.rockwellautomation.com/rockwellautomation/about-us/sustainability-ethics/product-environmental-compliance.page>.

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