

# CLICK PLC Overview

## PLC System

The CLICK PLC family of components is designed to offer practical PLC features in a compact and expandable design and, at the same time, offer the best ease-of-use.

## FREE programming software

The CLICK programming software can be downloaded free from our Web site and provides an intuitive programming tool that will get you up and running quickly.

## Easy installation

The CLICK PLC system does not require a mounting base, which saves on space. The CLICK CPU and I/O modules are connected together via an integrated expansion port on the sides of the modules and sliding locking tabs on the top and bottom of all modules.

## Expandable I/O

A powered CLICK CPU module by itself can be used as a complete PLC system with eight input points and six output points built-in, or the system can be expanded with the addition of up to eight I/O modules. A variety of I/O modules are available for flexible and optimal system configuration.

## Decimal memory addressing

The I/O numbering system is decimal to make it easier to count the number of I/O points and data registers.

## Communications

The CPUs have two built-in RS-232 communications ports. One port supports the Modbus RTU protocol only and can be used as the programming part. The other port supports either Modbus RTU or ASCII protocol. Both ports supply 5 VDC, so you can connect our C-more Micro HMI panel without an additional power supply.

## 21 easy to use instructions

The CLICK PLC supports a very simple but practical instruction set. The 21 easy-to-use instructions can cover most applications that are suitable for this class of PLC. (The CLICK PLC does not support *DirectLOGIC* instructions.)

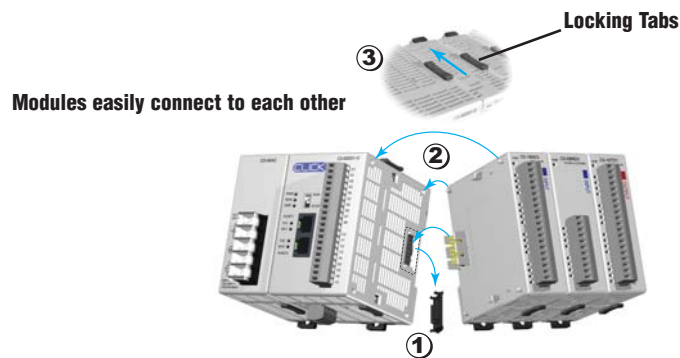
## 8,000 steps program memory

The CLICK CPU module can store up to 8,000 steps (instructions) of ladder program in its flash EEPROM memory.

Use a CLICK PLC as a stand-alone controller...



or, expand the system by installing up to eight additional I/O modules.



FREE programming software!



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## CPU Modules

The four CLICK CPU modules are available with different combinations of built-in I/O types.



CLICK CPUs			
Part Number	Inputs (8 points)	Outputs (6 points)	Price
<i>CO-00DD1-D</i>	DC (24 VDC)	DC (0.1 A, 5-24 VDC, Sink)	<--->
<i>CO-00DD2-D</i>	DC (24 VDC)	DC (0.1 A, 24 VDC, Source)	<--->
<i>CO-00DR-D</i>	DC (24 VDC)	Relay (1 A@6-27 VDC/6-240 VAC)	<--->
<i>CO-00AR-D</i>	AC (100-120 VAC)	Relay (1 A@6-27 VDC/6-240 VAC)	<--->

## Input I/O modules

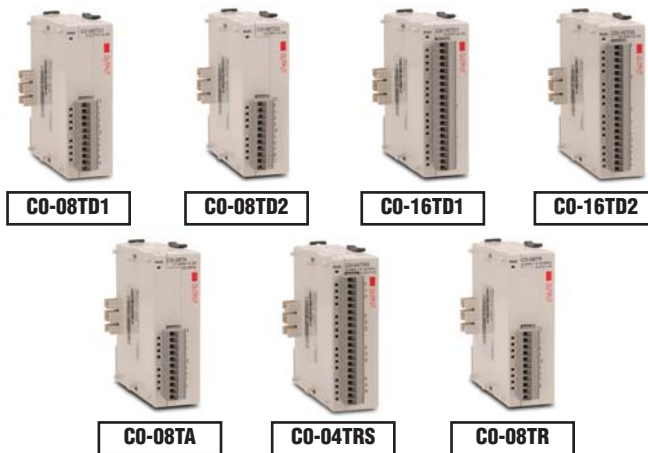
There are four input I/O modules available.



CLICK Input I/O Modules		
Part Number	Inputs	Price
<i>CO-08ND3</i>	DC (8 pts, 12-27 VDC)	<--->
<i>CO-08ND3-1</i>	DC (8 pts, 3.3-5 VDC)	<--->
<i>CO-16ND3</i>	DC (16 pts, 24 VDC)	<--->
<i>CO-08NA</i>	AC (8 pts, 100-120 VAC)	<--->

## Output I/O Modules

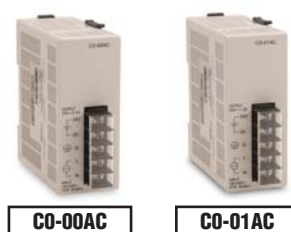
There are seven output I/O modules available.



CLICK Output I/O Modules		
Part Number	Outputs	Price
<i>CO-08TD1</i>	DC (8 pts, 0.3 A @ 3.3-27 VDC, Sink)	<--->
<i>CO-08TD2</i>	DC (8 pts, 0.3 A @ 12-24 VDC, Source)	<--->
<i>CO-16TD1</i>	DC (16 pts, 0.1 A @ 5-27 VDC, Sink)	<--->
<i>CO-16TD2</i>	DC (16 pts, 0.1 A @ 12-24 VDC, Source)	<--->
<i>CO-08TA</i>	AC (8 pts, 0.3A @ 17-240 VAC)	<--->
<i>CO-04TRS</i>	Relay (4 pts, 7A @ 6-27 VDC/6-240 VAC)	<--->
<i>CO-08TR</i>	Relay (8 pts, 1A @ 6-27 VDC/6-240 VAC)	<--->

## Power Supplies

Two power supplies are offered.



CLICK Power Supplies			
Part Number	Input Voltage	Output Current	Price
<i>CO-00AC</i>	85-264 VAC	0.5A @ 24 VDC	<--->
<i>CO-01AC</i>	85-264 VAC	1.3A @ 24 VDC	<--->

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## What you'll need

Of course, what you'll need for your system depends on your particular application, but this overview shows you what you'll need for a simple system.

### 1. Select your CLICK CPU module.



### 2. If you need additional I/O, select from eleven types of I/O modules.



### 3. Select a 24 VDC power supply.



or



### 4. Download the FREE CLICK programming software.



### 5. Select your PC to PLC programming cable.

If your PC has a USB port, use cable EA-MG-PGM-CBL to connect to the CPU module port. If your PC has a 9-pin serial communications port, use programming cable D2-DSCBL.

EA-MG-PGM-CBL

or

D2-DSCBL

(PC requires RS-232 port to use this cable)

### 6. Select tools, wire, and provide power.

Screwdriver  
DN-SS1



Wire Strippers  
DN-WS



Hookup Wire

