



# Programmable Controller



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Book 1 (14.2)  
CLICK PLCs  
mCLP-1

# Just CLICK! for simple, affordable control



**CLICK PLC UNITS**  
Starting at:  
**\$69**

C0-00DD1-D  
C0-00DD2-D

10/100 Mbps Ethernet port (on select models) for Modbus TCP (client/server) and EtherNet/IP Implicit and Explicit (adapter server) communication

Up to two serial communication ports (RS-232 and RS-485) for operator interfaces, PC programmers or any Modbus RTU/ASCII device

\* CLICK Basic PLC units starting at \$69.00,  
Ethernet PLC unit (shown) starting at \$160.00

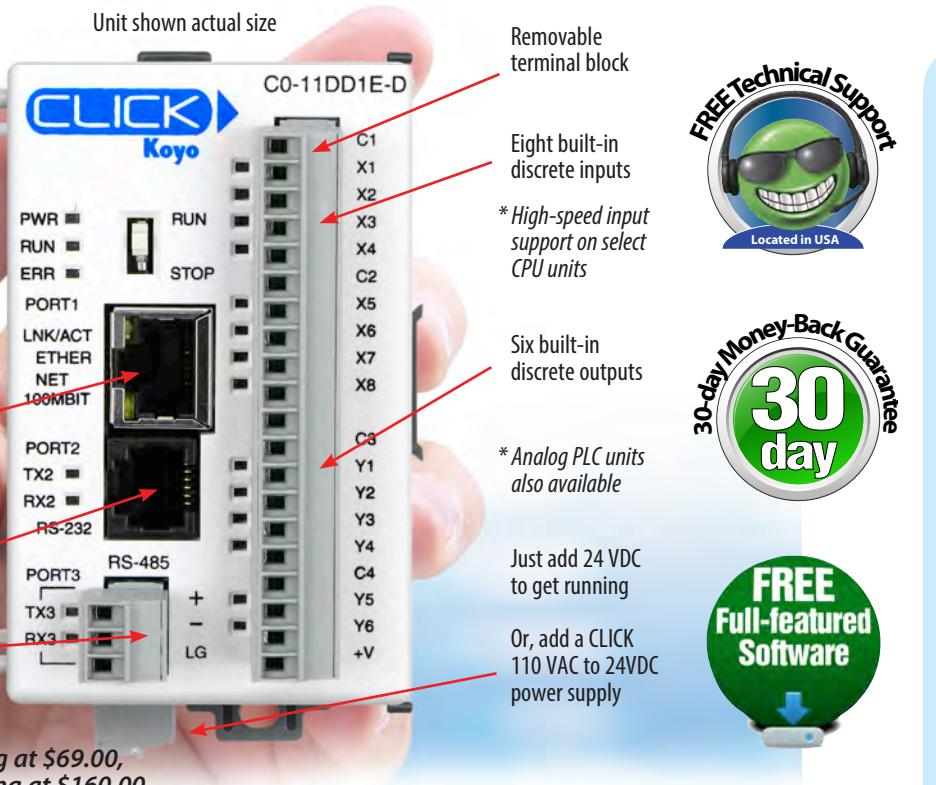
## Just CLICK for quality

Koyo Electronics, our parent company, is part of the multibillion dollar JTEKT group of companies that primarily provides components to automotive manufacturers such as Toyota.

With their extensive engineering and manufacturing background, we expected nothing but the best, and Koyo delivered! While development focused on building a reliable product, they were also able to deliver a product that offers the best combination of price, ease of use, and features.

The price is almost free while the quality and ease of use is almost priceless.

**Mighty as a  
stand-alone unit,  
or expand to 142  
total I/O!**



Unit shown actual size



30-day Money-Back Guarantee



## Just CLICK to get started

The CLICK™ family is an easy-to-use controller that is cost-effective even in applications that would require just a few relays, and more flexible to boot.

With a starting price of \$69.00 for a basic discrete controller offering eight built-in digital inputs and six built-in digital outputs, this stand alone micro brick PLC is by far the most practical choice for the money.

## Just CLICK to get FREE Software

The CLICK PLC programming software is available as a FREE download from our Web site.

Unlike many "FREE" programming packages you may be familiar with, this software is packed with features that simplify your learning curve and shorten your programming time.

CPU and I/O Comparison		AutomationDirect	Schneider Electric
Power Supply	<b>\$31.00</b> C0-00AC	<b>\$0.00</b> No external power supply required	
CPU	<b>\$203.00</b> C0-12DR-E-2-D (with the CPU's built-in I/O, this module provides the needed 4 discrete inputs and 3 relay outputs)	<b>\$467.48</b> TM221CE16R (with CPU's built-in I/O, this module adds the needed 2 analog inputs)	
(8) 24VDC Discrete Inputs	<b>\$53.00</b> C0-08CDR (with the CPU's built-in I/O, this module provides the needed 4 discrete inputs and 3 relay outputs)	<b>\$0.00</b> Included with CPU	
(7) Relay Outputs			
(4) Analog Input Channels (0-10V)	<b>\$0.00</b> Included with CPU	<b>\$293.99</b> TM3A12H (with CPU's built-in I/O, this module adds the needed 2 analog inputs)	
(2) Analog Output Channels (0-10V)	<b>\$0.00</b> Included with CPU	<b>\$309.41</b> TM3A02	
(4) Thermocouple Inputs	<b>\$165.00</b> C0-04THM	<b>\$413.13</b> TM3T14	
Ethernet	✓ 1) 10/100 Mbps port	✓ 1) 10/100 Mbps port	
Serial	✓ 1) RS-232 port and 1) RS-485 port	✓ 1) RS-232 port and 1) RS-232/RS-485 port	
Local Expansion I/O	✓ Up to 8 modules with up to 16 pts per module	✓ Up to 7 modules with up to 32 pts per module	
SD Card Support	✗	✓	
USB Programming	✗	✓	
Programming Software	<b>FREE</b> C0-PGMSW	<b>FREE</b> EcoStruxure Machine Expert Basic	
Total Cost	<b>\$452.00</b>	<b>\$1,484.01</b>	

All prices are U.S. published estimated retail prices. AutomationDirect prices as of 11/05/2020. Schneider Electric prices taken from [www.alliedelec.com](http://www.alliedelec.com) 11/05/2020.

1 - 8 0 0 - 6 3 3 - 0 4 0 5

# CLICK® Simply CLICK to get started



## What is it?

CLICK micro-brick PLCs, starting at \$69.00, offer stackable I/O modules and free programming software for a low-cost and easy-to-use high-quality machine controller. It is designed for first-time PLC customers as well as experienced users.

## What's it got?

- Thirty-one stand-alone DIN-rail mount DC-powered PLC combinations, including:
  - 8 DC In / 6 DC Out (sinking)
  - 8 DC In / 6 DC Out (sourcing)
  - 8 DC In / 6 Relay Out
  - 8 AC In / 6 Relay Out
  - 4 DC In / 4 DC Out (sinking), 2 analog in, 2 analog out (current / voltage selectable)
  - 4 DC In / 4 DC Out (sourcing), 2 analog in, 2 analog out (current / voltage selectable)
  - 4 DC In / 4 Relay Out, 2 analog in, 2 analog out (current / voltage selectable)
  - 4 AC In / 4 Relay Out, 2 analog in, 2 analog out (current / voltage selectable)
  - 4 DC In / 4 DC Out (sinking), 4 analog in, 2 analog out (current only or voltage only)
  - 4 DC In / 4 DC Out (sourcing), 4 analog in, 2 analog out (current only or voltage only)
  - 4 DC In / 4 Relay Out, 4 analog in, 2 analog out (current only or voltage only)
  - 4 AC In / 4 Relay Out, 4 analog in, 2 analog out (current only or voltage only)

- Built-in communication ports (both Ethernet and serial communication options are available)
- High-speed input support on select CPU units
- Real-time clock and battery back-up in standard, analog and Ethernet PLCs
- Removable terminal blocks
- 27 stackable, I/O option modules
- Program AND documentation stored in PLC
- FREE, high-feature programming software

## What can it do?

Replace even just a few relays cost-effectively and gain a world of flexibility. Interface to any Modbus RTU enabled device with the RS-232 port (on all PLCs) and/or RS-485 port (on standard, analog, Ethernet standard and Ethernet analog PLCs) or use the Ethernet port for Modbus TCP (client/server) or EtherNet/IP Implicit and Explicit (adapter server) connections (on all Ethernet PLCs).

## What does it take to get started?

- 1: Click on our Web site at [www.clickplcs.com](http://www.clickplcs.com) to view all the latest detailed product information.
- 2: Click <http://support.automationdirect.com/demos.html> to download free software and take a test drive.
- 3: Click on our store [www.automationdirect.com](http://www.automationdirect.com) and get a CLICK shipped fast!



## STANDARD PLC UNITS

- Two RS-232 comm ports
- One RS-485 comm port
- Super Capacitor plus battery
- Real-time clock

C0-00DD1-D

**\$69.00**8 DC sink/source inputs,  
6 DC sinking outputs

C0-01DD1-D

**\$105.00**8 DC sink/source inputs,  
6 DC sinking outputs

C0-00DD2-D

**\$69.00**8 DC sink/source inputs,  
6 DC sourcing outputs

C0-01DD2-D

**\$105.00**8 DC sink/source inputs,  
6 DC sourcing outputs

C0-00DR-D

**\$86.00**8 DC sink/source inputs,  
6 Relay outputs

C0-01DR-D

**\$117.00**8 DC sink/source inputs,  
6 Relay outputs

C0-00AR-D

**\$86.00**

8 AC inputs, 6 relay outputs

C0-01AR-D

**\$117.00**

8 AC inputs, 6 relay outputs

C0-02DR-D

**\$148.00**4 DC inputs, 4 Relay outputs,  
2 Analog inputs, 2 Analog outputs

## ANALOG PLC UNITS

- Two RS-232 comm ports
- One RS-485 comm port
- Super Capacitor plus battery
- Real-time clock

C0-02DD1-D

**\$138.00**4 DC inputs, 4 DC sinking outputs,  
2 Analog inputs, 2 Analog outputs

C0-02DD2-D

**\$138.00**4 DC inputs, 4 DC sourcing outputs,  
2 Analog inputs, 2 Analog outputs

C0-02DR-D

**\$148.00**4 DC inputs, 4 Relay outputs,  
2 Analog inputs, 2 Analog outputs

# Get connected fast with just a simple CLICK

## Low-cost Ethernet!

CLICK Ethernet PLC units come with a 10/100 Mbps multi-purpose Ethernet port for faster networking and control. Use the built-in Ethernet port to program your system, network your CLICK, or control Ethernet-enabled end devices. Using Modbus TCP or EtherNet/IP protocols, the CLICK Ethernet PLCs will easily integrate into existing networks and provide a simple, cost effective solution for your application.

Check out how easy EtherNet/IP is with CLICK, in this quick how-to video.



## Run Time Edits

The CLICK Ethernet PLCs not only allow for faster connections but they also come with more memory. The added memory size gives CLICK the ability to perform run-time edits on live machinery and/or processes. This feature can greatly reduce unnecessary downtime and is an important addition to an already extremely practical PLC.

## Faster Execution

Along with improved communication speed, CLICK Ethernet PLCs are capable of executing logic 3 to 10 times faster than before. Nowhere else will you find this level of performance at this low of a price!

### ETHERNET BASIC PLC UNITS

- One 10/100 Mbps Ethernet comm port
- One RS-232 comm port
- High-speed counter/timer support (DC inputs only)
- Super Capacitor plus battery
- Real-time clock

C0-10DD1E-D

\$138.00



8 DC sink/source inputs, 6 DC sinking outputs

C0-10DD2E-D

\$138.00



8 DC sink/source inputs, 6 DC sourcing outputs

C0-10DRE-D

\$148.00



8 DC sink/source inputs, 6 relay outputs

C0-10ARE-D

\$148.00



8 AC inputs, 6 relay outputs

### ETHERNET STANDARD PLC UNITS

- One 10/100 Mbps Ethernet comm port
- One RS-232 comm port
- One RS-485 comm port
- High-speed counter/timer support (DC inputs only)
- Super Capacitor plus battery
- Real-time clock

C0-11DD1E-D

\$160.00



8 DC sink/source inputs, 6 DC sinking outputs

C0-11DD2E-D

\$160.00



8 DC sink/source inputs, 6 DC sourcing outputs

C0-11DRE-D

\$170.00



8 DC sink/source inputs, 6 relay outputs

C0-11ARE-D

\$170.00



8 AC inputs, 6 relay outputs



## CLICK with Ethernet

The added Ethernet capability gives this mighty micro the versatility needed in today's industrial environment. Connect multiple Modbus TCP servers/clients as well as up to two EtherNet/IP connections to the CLICK Ethernet PLC models. These models also offer a serial port that can be used for Modbus RTU connections. Making this a perfect unit for a low-cost, highly capable control system.

## High-speed Counter/Timer Inputs

CLICK Ethernet PLC units with DC inputs also offer high-speed functionality capable of handling input pulse frequencies up to 100kHz. Easily count and/or calculate pulse rates from dedicated inputs or encoder signals that are used in many applications including package tracking and picking systems.



[www.automationdirect.com/clickplcs](http://www.automationdirect.com/clickplcs)

### ETHERNET ANALOG PLC UNITS

- One 10/100 Mbps Ethernet comm port
- One RS-232 comm port
- One RS-485 comm port
- High-speed counter/timer support (DC inputs only)
- Super Capacitor plus battery
- Real-time clock

C0-12DD1E-D

\$191.00



4 DC inputs, 4 DC sinking outputs, 2 Analog inputs, 2 Analog outputs (current/voltage)

C0-12DD2E-D

\$191.00



4 DC inputs, 4 DC sourcing outputs, 2 Analog inputs, 2 Analog outputs (current/voltage)

C0-12DRE-D

\$203.00



4 DC inputs, 4 relay outputs, 2 Analog inputs, 2 Analog outputs (current/voltage)

C0-12ARE-D

\$203.00



4 AC inputs, 4 relay outputs, 2 Analog inputs, 2 Analog outputs (current)

C0-12DD1E-1-D

\$191.00



4 DC inputs, 4 DC sinking outputs, 4 Analog inputs, 2 Analog outputs (current)

C0-12DD2E-1-D

\$191.00



4 DC inputs, 4 DC sourcing outputs, 4 Analog inputs, 2 Analog outputs (current)

C0-12DRE-1-D

\$203.00



4 DC inputs, 4 relay outputs, 4 Analog inputs, 2 Analog outputs (current)

C0-12ARE-1-D

\$203.00



4 AC inputs, 4 relay outputs, 4 Analog inputs, 2 Analog outputs (current)

C0-12DD1E-2-D

\$191.00



4 DC inputs, 4 DC sinking outputs, 4 Analog inputs, 2 Analog outputs (voltage)

C0-12DD2E-2-D

\$191.00



4 DC inputs, 4 DC sourcing outputs, 4 Analog inputs, 2 Analog outputs (voltage)

C0-12DRE-2-D

\$203.00



4 DC inputs, 4 relay outputs, 4 Analog inputs, 2 Analog outputs (voltage)

C0-12ARE-2-D

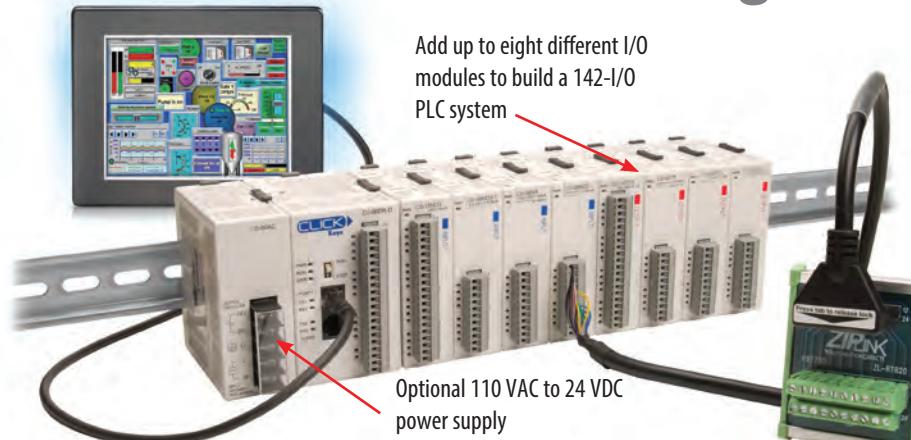
\$203.00



4 AC inputs, 4 relay outputs, 4 Analog inputs, 2 Analog outputs (voltage)



# Just CLICK to make a larger PLC



## Expandable to 142 I/O

At \$69.00, you get a ton of application control for your automation buck. The CLICK™ PLC offers you many options for your discrete and simple analog control applications.

The basic, standard, Ethernet basic and Ethernet standard PLCs offer, built in, eight discrete inputs and six discrete outputs; the analog and Ethernet analog PLCs include four discrete inputs, four discrete outputs, two or four analog inputs and two analog outputs. These DC-powered PLCs are a mighty controller as a stand alone unit, or expand your I/O with up to eight of the 27 available option modules for up to 142 total discrete I/O. The I/O lineup offers you 24 VAC input, both sinking and sourcing 24 VDC input and output options, 120 VAC input and output modules, and relay modules up to 10 amps for your discrete applications; analog modules support 4-20 mA or 0-10 VDC input and output options for simple process measurement and control. An 8-point input simulator module is also available.

With multiple options for main input power, you decide what best fits into your control panel. Use your existing 24 VDC power supply (if applicable), select one of our low-cost CLICK PLC power supplies (based on your system power budget requirements) or select one of AutomationDirect's

rugged Rhino power supplies.

RS-232 communications ports supporting industry standard Modbus RTU protocol are included on all units. These ports are suitable for connection to a PC for programming, networking PLCs, C-more/C-more Micro operator interface panels, variable frequency drives, servos, steppers, and other Modbus RTU enabled devices. The standard, analog, Ethernet standard and Ethernet analog PLCs also include one RS-485 port.

The Ethernet versions incorporate a 10/100 Mbps multipurpose Ethernet port to communicate with Modbus TCP and EtherNet/IP enabled devices, in addition to the RS-232 and optional RS-485 ports. Ethernet PLC Units with DC inputs are also capable of tracking high-speed inputs up to 100kHz.

## Simple to learn ... easy to use

The CLICK PLC programming software is based on the C-more and C-more Micro programming environments. We leveraged these two great programming packages developed by Koyo to create CLICK's intuitive programming tool, and then made it a FREE download from our Web site. So you now have free software for your practically free PLC! But don't let the \$0 price tag fool you - you'll find this software loaded with options that you would normally expect to pay extra for!

### DISCRETE OUTPUT MODULES

<b>C0-08TD1</b>	<b>\$38.00</b>	8 DC Outputs (Sinking) 3.3-27 VDC 0.3A/pt	<b>C0-04TRS</b>	<b>\$47.00</b>	4 Relay Outputs 6-240 VAC or 6-27 VDC 7A/pt
<b>C0-08TD2</b>	<b>\$38.00</b>	8 DC Outputs (Sourcing) 12-24 VDC 0.3A/pt	<b>C0-04TRS-10</b>	<b>\$54.00</b>	4 Relay Outputs 6-240 VAC or 6-27 VDC 10A/pt
<b>C0-16TD1</b>	<b>\$48.00</b>	16 DC Outputs (Sinking) 5-27 VDC 0.1A/pt	<b>C0-08TR</b>	<b>\$43.50</b>	8 Relay Outputs 6-240 VAC or 6-27 VDC 1A/pt
<b>C0-16TD2</b>	<b>\$48.00</b>	16 DC Outputs (Sourcing) 12-24 VDC 0.1A/pt	<b>C0-08TR-3</b>	<b>\$49.00</b>	8 Relay Outputs 6-240 VAC or 6-27 VDC 3A/pt
<b>C0-08TA</b>	<b>\$54.00</b>	8 AC Outputs 17-240 VAC triac 0.3A/pt			

### DISCRETE INPUT MODULES

<b>C0-08ND3</b>	<b>\$35.50</b>	8 DC Inputs (Sink/Source) 12-24 VDC	<b>C0-08ND3-1</b>	<b>\$35.50</b>	8 DC Inputs (Sink/Source) 3.3-5 VDC
<b>C0-16ND3</b>	<b>\$48.00</b>	16 DC Inputs (Sink/Source) 24 VDC	<b>C0-08NA</b>	<b>\$43.00</b>	8 AC Inputs 100-120 VAC
<b>C0-08NE3</b>	<b>\$37.50</b>	8 AC/DC Inputs (Sink/Source) 24 VAC/VDC	<b>C0-16NE3</b>	<b>\$52.00</b>	16 AC/DC Inputs (Sink/Source) 24 VAC/VDC

### SPECIALTY MODULE

<b>CO-08SIM</b>	<b>\$40.00</b>	8 point simulator input module
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# CLICK

[www.automationdirect.com/clickplcs](http://www.automationdirect.com/clickplcs)

# CLICK to add Analog I/O

Add up to eight Analog I/O modules and interface with over 50 analog channels!

Prices start at \$22.75 per channel (4-channel module). Thermocouple (or RTD) channels are \$38.25 each. Can your current PLC match that?

## Add analog I/O modules

If the CLICK analog or Ethernet analog PLCs don't provide enough analog channels, you can add channels with our 4-channel input and/or 4-channel output modules, OR check out the combo modules with 4-channels IN and 2 channels OUT. Each style is available in either current or voltage flavors.

Connect to all your analog devices: pressure and level transmitters, current transducers, proportional valves, AC drives, panel meters, etc.

These high-resolution modules offer fast setup (no DIP switches) with software scaling to make your life (and your ladder code) easier.

...Provide Speed Control for AC Drives...  
...Connect to any Analog Device that You Need to Control!

### ANALOG INPUT MODULES

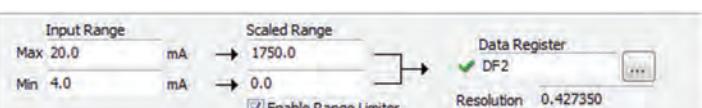
<b>C0-04AD-1</b>	<b>\$97.00</b>	4 Channel Current Inputs 0-20mA 13 Bit Resolution	<b>C0-04AD-2</b>	<b>\$98.00</b>	4 Channel Voltage Inputs 0-10VDC 13 Bit Resolution
<b>C0-04RTD</b>	<b>\$165.00</b>	4 Channel RTD Inputs (0.1 degree) or Resistive Inputs	<b>C0-04THM</b>	<b>\$165.00</b>	4 Channel Thermocouple Inputs (0.1 degree) or Voltage Inputs

### ANALOG OUTPUT MODULES

<b>C0-04DA-1</b>	<b>\$132.00</b>	4 Channel Current Outputs 4-20mA Source 12 Bit Resolution	<b>C0-04DA-2</b>	<b>\$132.00</b>	4 Channel Voltage Outputs 0-10VDC 12 Bit Resolution
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### ANALOG COMBO MODULES

<b>C0-4AD2DA-1</b>	<b>\$172.00</b>	4 CH Current Inputs 0-20mA (13 bit) 2 CH Current Outputs 4-20mA (12 bit)	<b>C0-4AD2DA-2</b>	<b>\$165.00</b>	4 CH Voltage Inputs 0-10 VDC (13 bit) 2 CH Voltage Outputs 0-10 VDC (12 bit)
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# Double CLICK to add Discrete COMBO Modules

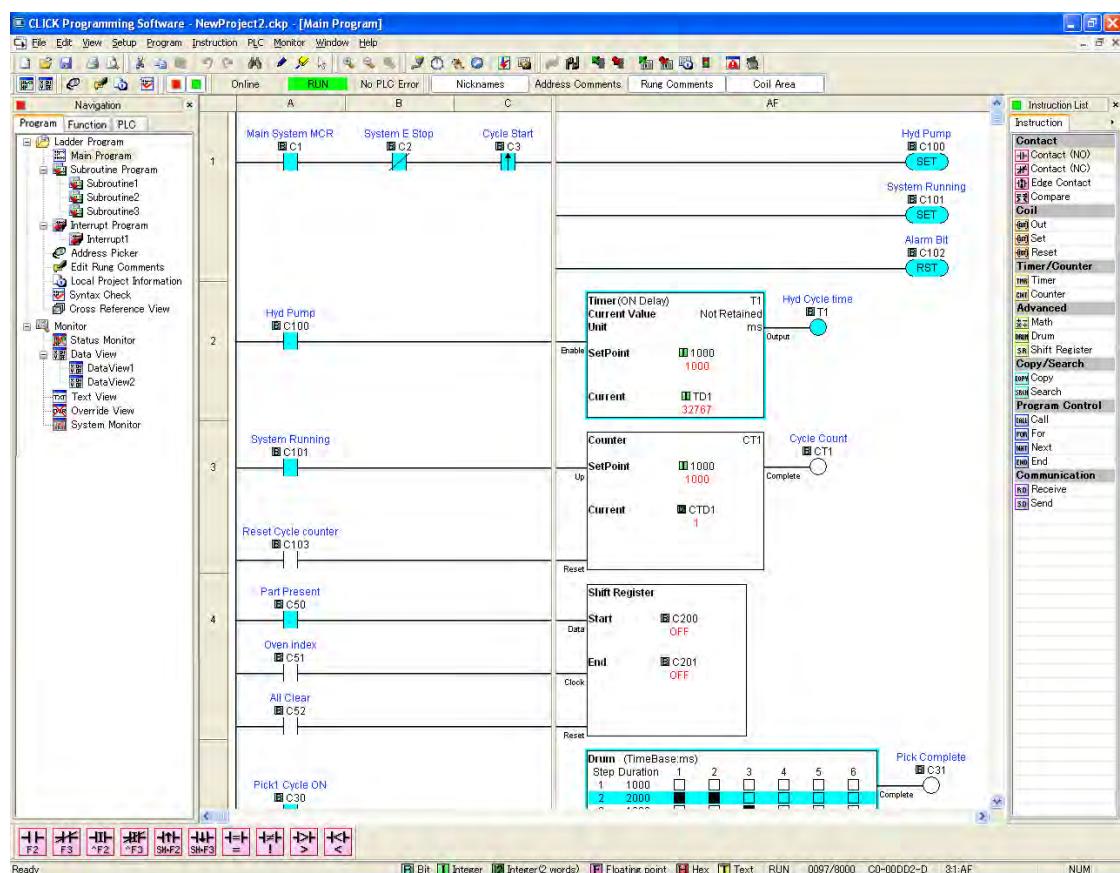
### DISCRETE COMBO MODULES

<b>C0-16CDD1</b>	<b>\$62.00</b>	8 Inputs (24V) (Sink/Source) PLUS 8 Outputs 5-27VDC (Sink)	<b>C0-16CDD2</b>	<b>\$62.00</b>	8 Inputs (24V) (Sink/Source) PLUS 8 Outputs 12-24VDC (Source)	<b>C0-08CDR</b>	<b>\$53.00</b>	4 Inputs (12-24VDC) (Sink/Source) PLUS 4 Relay Outputs 1.0A AC/DC
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## Double up and save...

Need a few extra Inputs and outputs? Use these combo modules to expand your CLICK system AND save money.

# CLICK to get FREE Programming Software!



## Simple to learn

The CLICK PLC programming tool was designed with the user in mind. We have simplified the programming process to make it easier to learn, faster to program, and capable of completing most of your application needs with only 21 instructions!

This combination of RLL (Relay Ladder Logic) and Function block programming offers you a comprehensive programming environment with easy navigation and a familiar Windows look and feel.

Simply download your free software at:

[www.clickplcs.com](http://www.clickplcs.com)

## Easy to use

We listened to our customers and tried to address what they felt were the inhibitors to a simplistic programming environment. This includes more intuitive instructions that are not only easier to use but also offer more functionality at the same time. We worked to create one of the best help files of any software in the industry. We offer you enough options to easily address the majority of your needs during all phases of programming (learning, coding, commissioning, troubleshooting), while keeping it structured enough to make the basic operations obvious.

## Action-packed

The CLICK PLC Programming tool allows each individual to set up their programming environment to suit their needs. Beginners may choose to program almost exclusively via the mouse by clicking on icons, instructions, drop-down menus, and selecting PLC addresses from the "Address Picker". As programmers become more experienced, the time-saving keyboard shortcuts can greatly enhance productivity, and speed development/debug times. Many of the instruction entry shortcuts are even the same as those used in our DirectLOGIC PLC software.

Either way, you can select the option that suits your style of programming.

## Free Online PLC Training

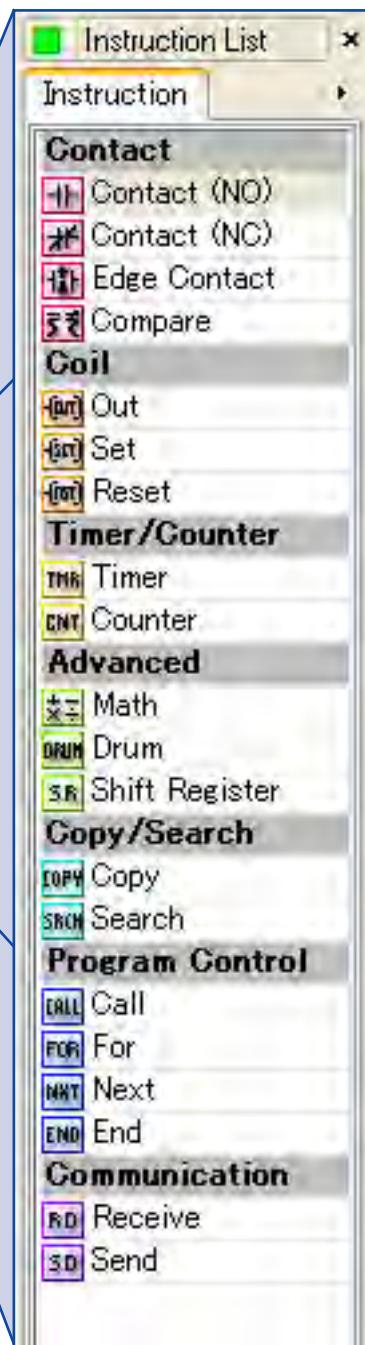
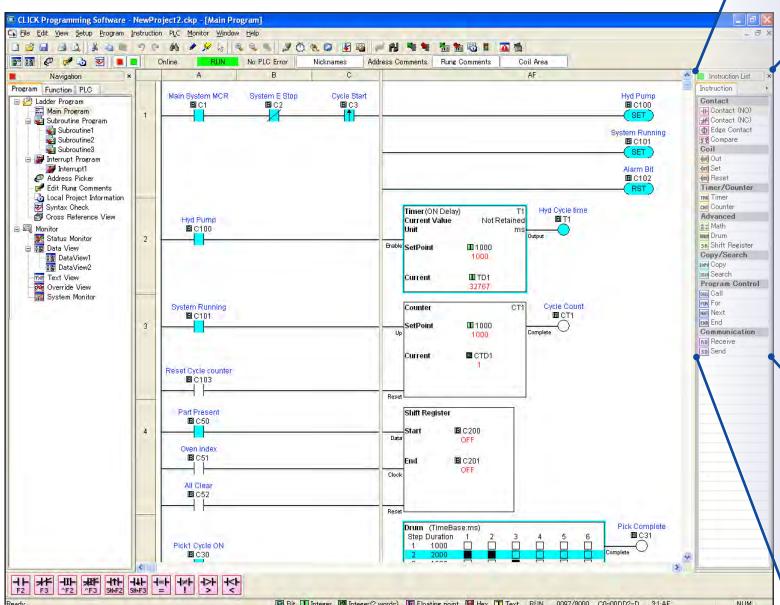
As the world around us becomes more and more automated, an understanding of electrical control systems becomes more and more vital. To better serve our customers and the industry we rely on, we offer absolutely free online training to anyone looking to learn PLCs. No purchase necessary! Check out this free training [here](#).



# Simplified instruction set reduces your programming time

## Instruction List

The CLICK PLC programming software offers 21 extremely easy-to-use instructions! This instruction set offers the same flexible control you might expect from over 150 instructions in a traditional controller. Simply drag and drop these instructions onto the ladder view (the center section of the screen), and a helpful dialog box will guide you through each instruction's configuration.



## What's included?

The 21 CLICK PLC instructions include everything you would typically expect:

- Contacts\*
- Coils
- Set/Reset
- Timer
- Counter
- Math\*\*

Then there are some advanced instructions you might not expect:

- Drum
- Receive/Send
- Copy
- Shift Register
- Call/Return(Subroutine)
- Search
- For/Next

\* Contacts include Normally Open, Normally Closed, Edge-triggered and Compare

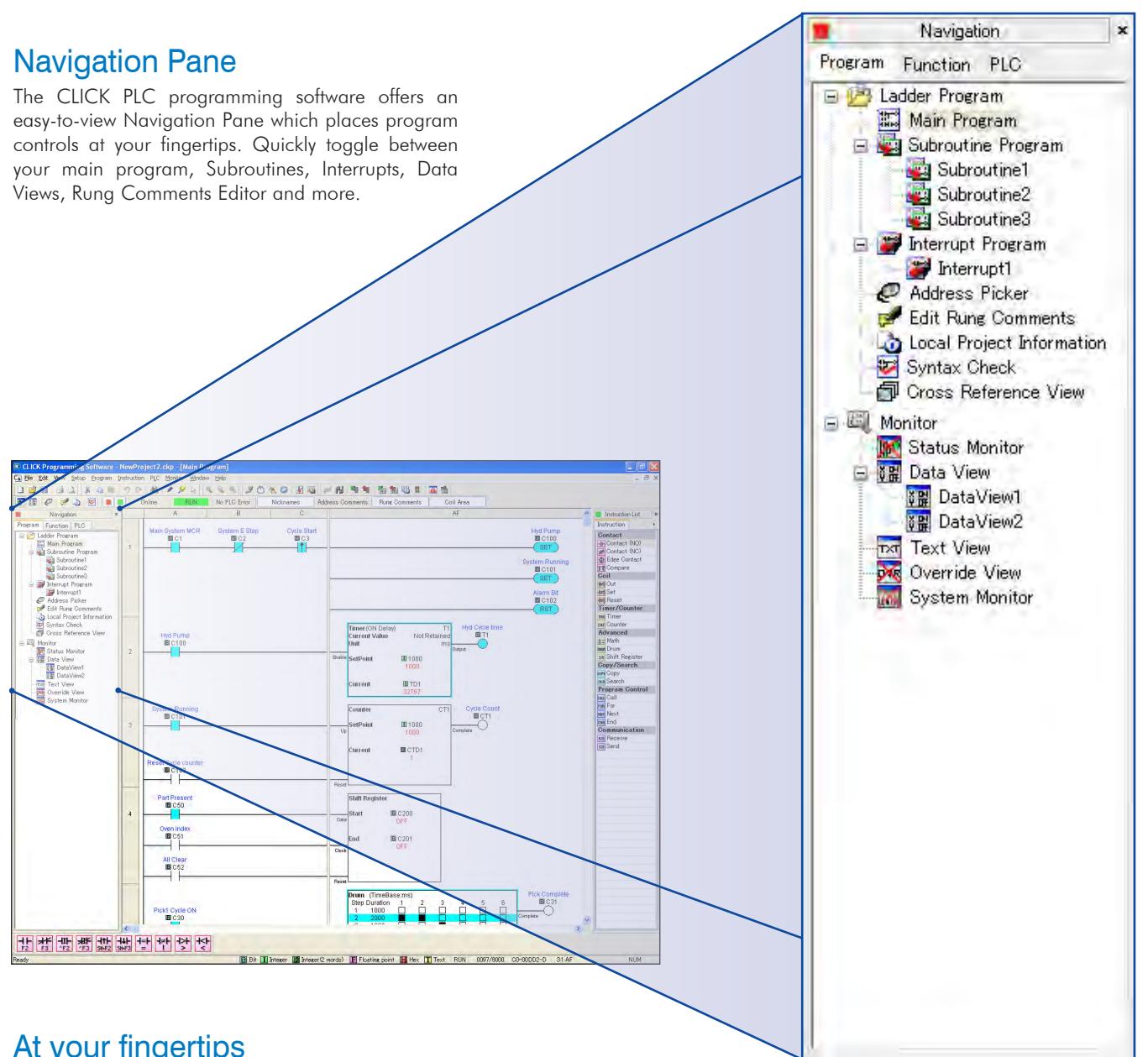
\*\* Math includes Decimal, Floating Point and HEX math. Supports free-form formula entry.

Note: The RETURN instruction is not included in this list because it is used in the Subroutine and Interrupt programs only.

# CLICK offers intuitive navigation

## Navigation Pane

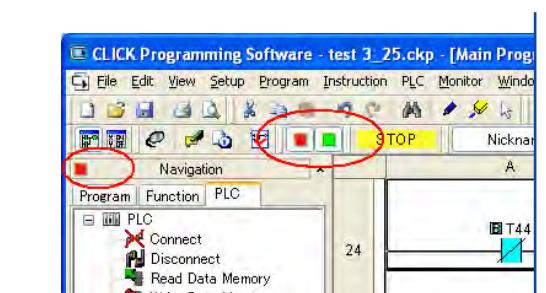
The CLICK PLC programming software offers an easy-to-view Navigation Pane which places program controls at your fingertips. Quickly toggle between your main program, Subroutines, Interrupts, Data Views, Rung Comments Editor and more.



## At your fingertips

The Navigation Pane puts many practical and frequently used functions within one CLICK of your mouse during configuration, commissioning and troubleshooting. Quickly move between your Main Ladder Program and Subroutines and Interrupt routines within your project. Access frequently used system functions such as System Setup, Password utility, Comm Port Configuration, PLC Connection, Data and Project Transfer, Firmware Update and many more. Many of these functions are also available via drop-down menus. It's your choice!

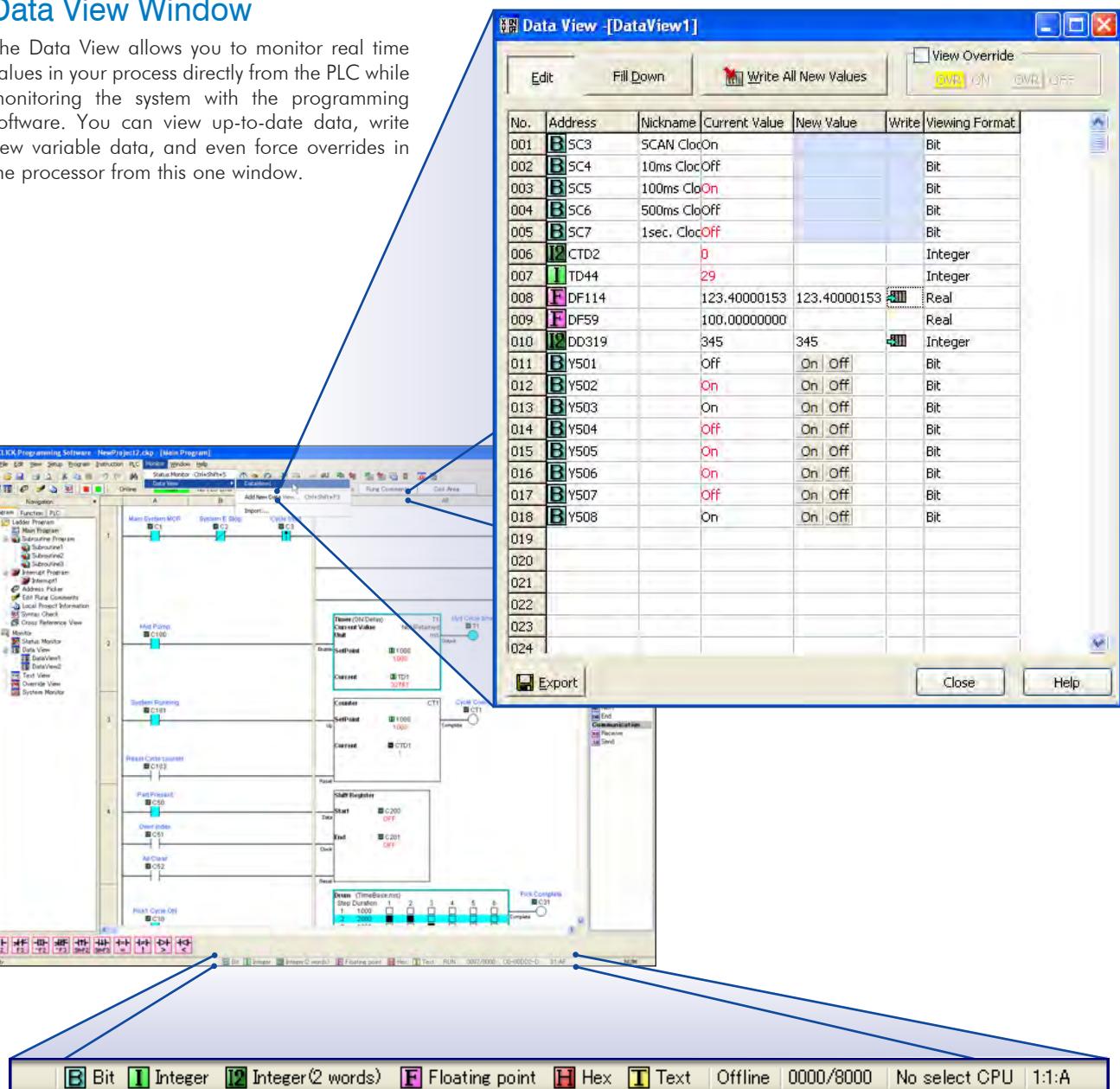
Use the color-coded Window Control Toolbar to quickly and easily hide the navigation (and/or instruction) pane to maximize your ladder programming work space.



# Monitor your program with a CLICK

## Data View Window

The Data View allows you to monitor real time values in your process directly from the PLC while monitoring the system with the programming software. You can view up-to-date data, write new variable data, and even force overrides in the processor from this one window.



## What is included?

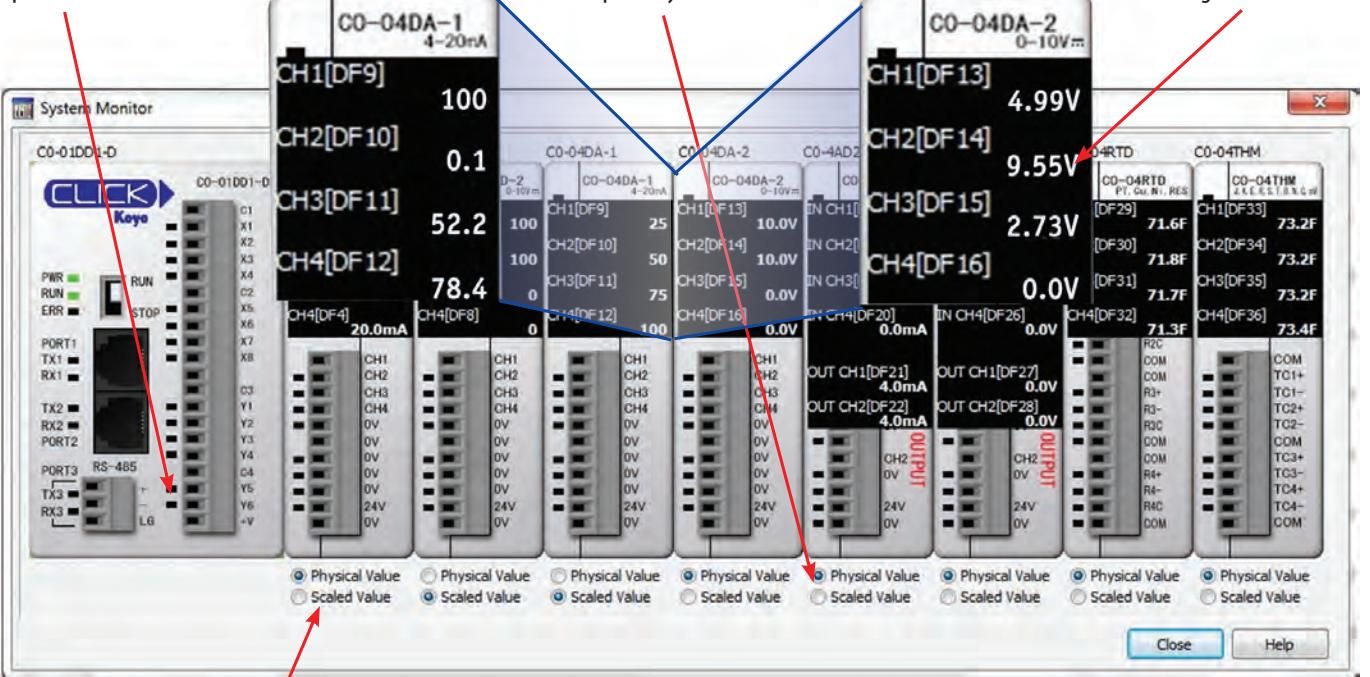
The Data View allows you to monitor data as you would expect ... but what else can you do?

- Auto Fill Down feature allows you to quickly populate your addresses.
- View data types as either Integer, Real (floating point), Exponential or Hex.
- Force values with the Override feature.
- Import/Export your Data View to exchange the setup.
- Save and create multiple Data View files for separate process applications.
- Data types are easily identified by the Data Type icons on the Status Bar.

# Check I/O status with a CLICK

The System Monitor window displays the LED indicator status and analog I/O values in real time. You can use this to check if the CLICK PLC is functioning correctly.

Displays the current LED indicator status for all I/O points



Select the display type for each analog module separately.

View the Physical Values or the Scaled Values for all analog channels

## Physical Value/Scaled Value:

You can select the display of the analog I/O values between the Physical Values that the analog I/Os receive/output actually and the Scaled Values stored in the DF memory addresses.



Visit [www.automationdirect.com/click-plc](http://www.automationdirect.com/click-plc) for all the latest information, including FREE software downloads, how-to videos and much more

# CLICK on a practical instruction

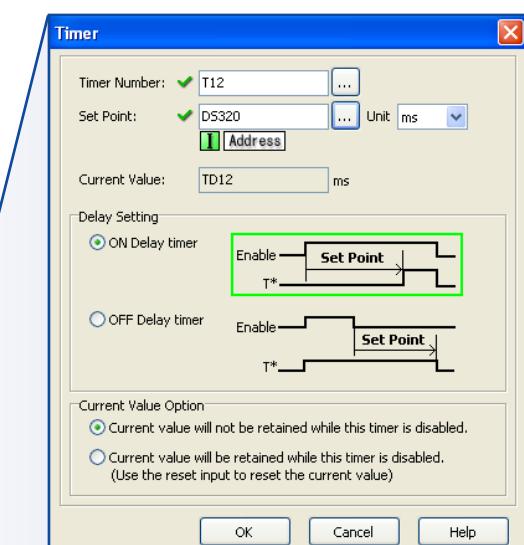
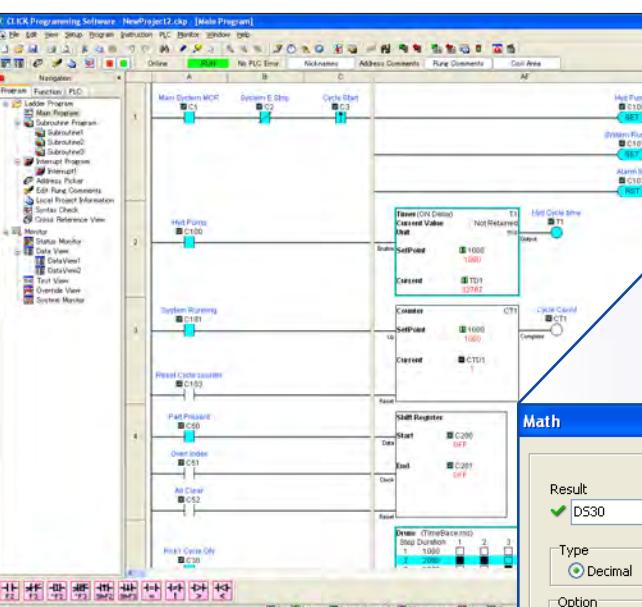
For example ...

## Timer Instruction

The Timer Instructions are typically some of the more basic instructions in a control environment, so how could we possibly make them any better? We listened to you ...

Instead of having multiple timer instructions with different functions and features, we created a single timer instruction with simple selections to allow programming of the precise timer function needed for your application. Select from On-delay or Off-delay timing and retentive or non-retentive current values.

Just CLICK ... It's that easy.

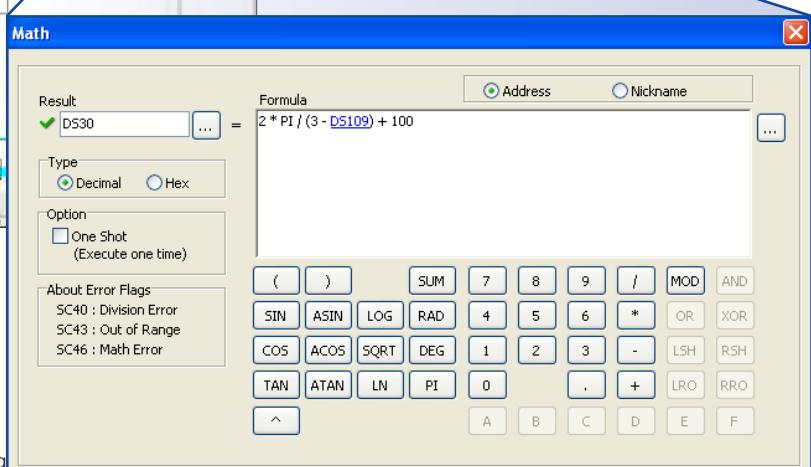


## Math Instruction

Performing mathematical calculations in a PLC typically requires a complicated set of instructions and programming gymnastics. From mixing process variable data with constants in multiple formats, to calculating complex logarithmic formulas, math computations in ladder logic can be complex, so how could we possibly make it any better? We listened to you ...

Instead of having a full set of various math instructions you string together to perform complex mathematical equations, we created a single instruction that allows you to enter formulas directly or select from the familiar calculator style layout to create your formula.

Just CLICK ... It's that easy.

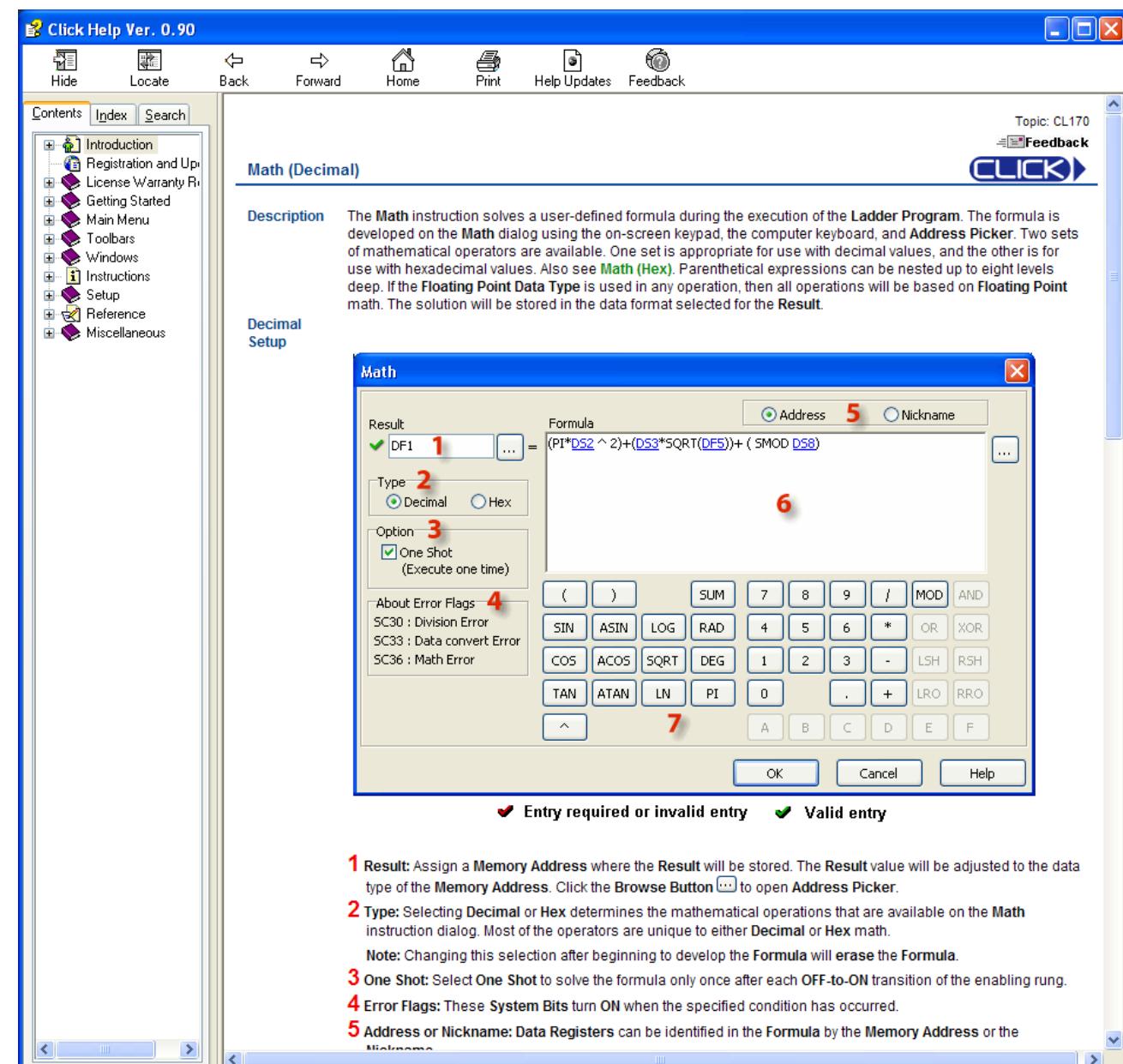


# CLICK for great help!

## Detailed Help Files

We wanted your programming experience to be the easiest and most productive of any PLC you have ever programmed. So we spent a lot of time creating the content for the help file that gives you clear and concise definitions of the features and functionality for each instruction and the operation of the software.

Just CLICK Help ... It's that easy.

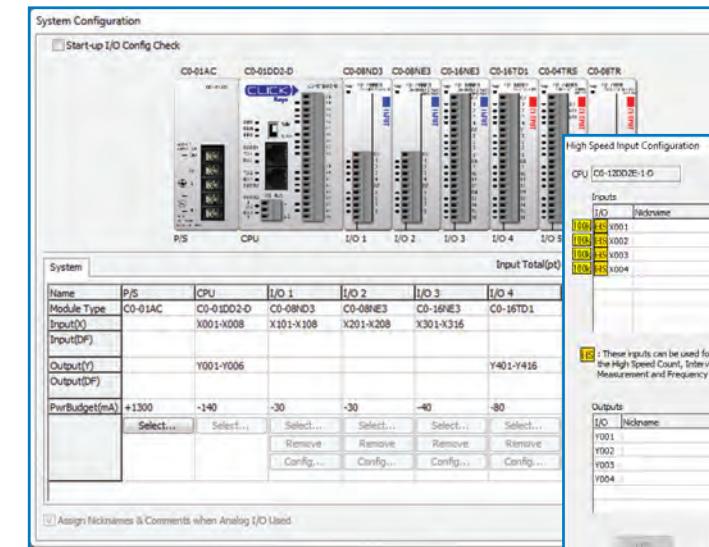


- 1 Result: Assign a Memory Address where the Result will be stored. The Result value will be adjusted to the data type of the Memory Address. Click the Browse Button to open Address Picker.
- 2 Type: Selecting Decimal or Hex determines the mathematical operations that are available on the Math instruction dialog. Most of the operators are unique to either Decimal or Hex math.  
Note: Changing this selection after beginning to develop the Formula will erase the Formula.
- 3 One Shot: Select One Shot to solve the formula only once after each OFF-to-ON transition of the enabling rung.
- 4 Error Flags: These System Bits turn ON when the specified condition has occurred.
- 5 Address or Nickname: Data Registers can be identified in the Formula by the Memory Address or the Nickname.

# CLICK to configure the hardware

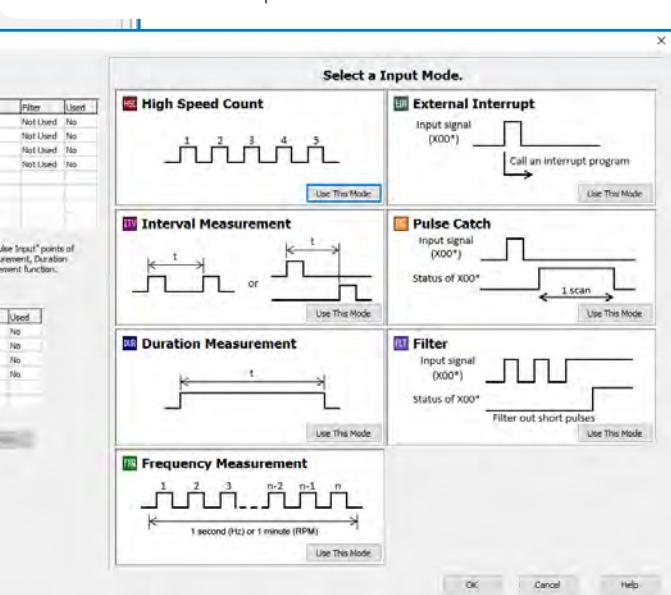
## System Configuration

The CLICK software includes a configuration tool that helps you configure a CLICK PLC quickly and easily. Select the CPU, power supply, and modules you need - the software calculates your I/O count, address list, and Power Budget automatically.

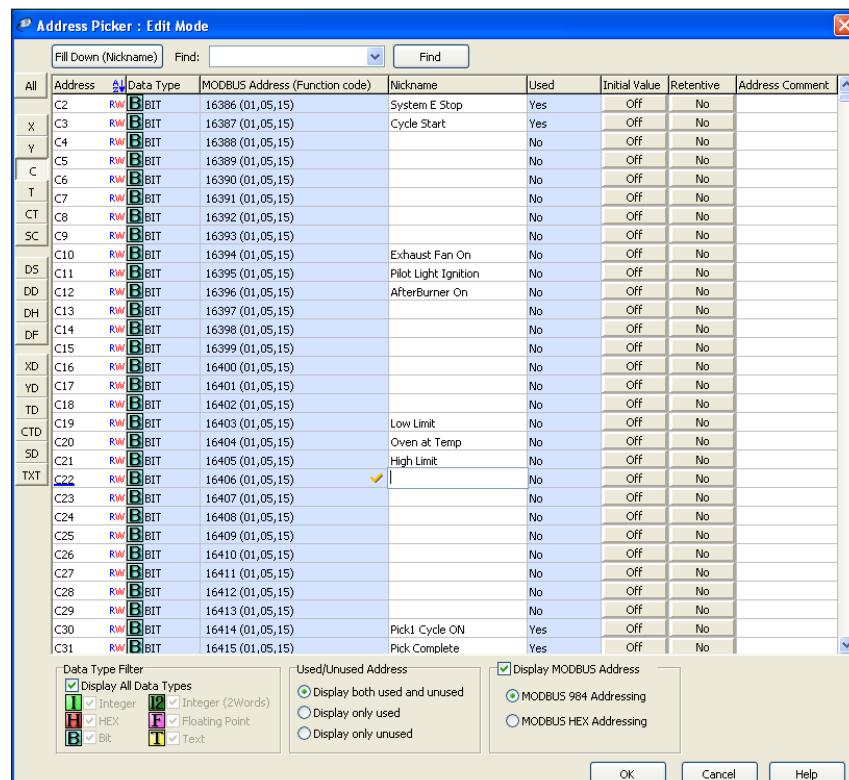


## High-speed Input Configuration

High-speed input functions including pulse counting and frequency measurements are made simple with the user-friendly graphical user interface (GUI). Simply choose the desired high-speed function and the interface will guide you through the available features and options.



# CLICK to configure the PLC tags



## Address Picker

- Assign nicknames (use autofill for sequential names)
- Create address comments
- Powerful search, sort, filter, and categorize options
- Modbus addresses (HEX or 984 style)
- Establish initial values for specific memory locations
- Make memory locations retentive (during power outages)

# CLICK for a simpler PID!

## Process control built with ease

The CLICK PLC family is the lowest cost, easiest to use PLC in the market today and now we've added to it the most user-friendly PID process control. We streamlined CLICK's PID control and included only the features that most users need. We also made the PID configuration more visual with easy to follow steps to help guide you and get your parameters set quickly.

Not only is the CLICK PID simple, but with the ability to configure up to 8 PID control loops executing every 100ms, CLICK provides the most affordable PID available - starting at only \$191.00 for a standalone Ethernet analog PLC unit (PID available on Ethernet-capable PLC units only).

**PID LOOP SETUP**

The configuration interface shows a PID loop setup with a Setpoint (SP) input, an Error Term, a Loop Algorithm (PID), an Output, and a Process Variable (PV). A valve icon is shown with a red handle, and a liquid nitrogen tank labeled "LIQUID NITROGEN" with an N<sub>2</sub> symbol is connected to the system. A green checkmark icon is present in the bottom right corner of the software window.

## We do most of the work for you

From the first (General) tab we make it easy by giving you the option to automatically reserve the addresses needed for the configuration and operation of the PID loop. Intuitive Nicknames are also created automatically for you so that selecting the address you need in your code is quick and simple.

Throughout the configuration, we guide you to the parameters that need to be set using red checkmarks, green checkmarks are ready to go, and yellow are optional parameters.

Address						Data Type	Nickname	Used	Initial Value	Retentive	Address Comment
C1	RW	BIT	PID001_EN_SP_LimitLower	Yes	Disable	Yes	SP Lower Limit Enable				
C2	RW	BIT	PID001_EN_SP_LimitUpper	Yes	Disable	Yes	SP Upper Limit Enable				
C3	RW	BIT	PID001_SEL_ErrorSquared	Yes	Disable	Yes	Error Term Selection (Linear /Squared)				
C4	RW	BIT	PID001_EN_ErrorDeadband	Yes	Disable	Yes	Error Deadband Enable				
C5	RW	BIT	PID001_EN_DerivativeLmt	Yes	Disable	Yes	Derivative Gain Limit Enable				
C6	RW	BIT	PID001_EN_AntiWindup	Yes	Disable	Yes	Anti-Windup Enable (Bias Freeze)				
C7	RW	BIT	PID001_C_Reserved_01	Yes	Disable	Yes	Reserved				
C8	RW	BIT	PID001_SEL_AutotunePID	Yes	Disable	Yes	Autotune Algorithm Selection (PID or PI)				
C9	RW	BIT	PID001_SEL_BumplessMode	Yes	Disable	Yes	Bumpless Transfer (DF69)				
C10	RW	BIT	PID001_SEL_DirectReverse	Yes	Disable	Yes	Loop Action Selection (Forward or Reverse)				

**CLICK PID comes with all the basic PID functions plus these advanced options:**

- Setpoint Limits
- Error Deadband
- Anti-windup
- Derivative Gain Limit
- Control Output Limits
- Error Squared
- Direct or Reverse Acting
- Pulse width modulated Control Output
- Process Variable Alarms
- Bumpless Transfer
- Autotuning

**PID CONTROL ALGORITHM SETUP**

The configuration interface shows the PID Control Algorithm setup with tabs for General, Setpoint, Error Term, Loop Algorithm, Output, Process Variable, and Alarm. It includes parameters like P, I, D, and Bias settings. A green checkmark icon is present in the bottom right corner of the software window.

**PID PV SETUP**

The configuration interface shows the PID PV setup with tabs for General, Setpoint, Error Term, Loop Algorithm, Output, Process Variable, and Alarm. It includes options for PV Filter (ON/OFF) and a filter selection dropdown. A green checkmark icon is present in the bottom right corner of the software window.

**NITROGEN COOLING SYSTEM**

The configuration interface shows the PID Monitor Mode for PID Loop: PID001. It displays a graph of SP, PV, and Output over time, along with a PID chart showing the error term and bias. A large image of a nitrogen cooling system with a tank and piping is overlaid on the monitor screen. A green checkmark icon is present in the bottom right corner of the software window.

**PID monitoring and auto-tuning**

The CLICK PID Monitor is a very useful tool which can be used to help test and tune your PID loops. The PID Monitor gives access to all the PID parameters necessary for tuning a PID Loop. There is a PID chart that displays the SP, PV's, CO and Bias. There is also an auto-tune interface that allows you to set up and initiate auto-tuning.

# CLICK has practical accessories



I/O Module



ZIPLink Sensor Input Module



ZIPLink Cable



ZIPLink Fuse Module



**ZIPLink**

The ZIPLink wiring system eliminates the normally tedious process of wiring PLC I/O to terminal blocks. Simply plug one end of a ZIPLink pre-wired terminal block cable into your I/O module and the other end into a ZIPLink connector module. It's that easy. ZIPLinks use half the space, at a fraction of the total cost of terminal blocks.

Use the convenient ZIPLink selector tool to help you find the right ZIPLink modules and cables for your I/O connections.

ZIPLink Connector Module



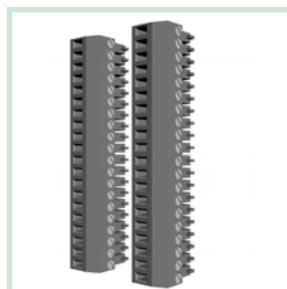
Programming Cables

EA-MG-PGM-CBL  
\$46.50D2-DSCBL  
\$23.50

Hardware User Manual



Spare Terminal Blocks



Replacement Battery



# CLICK PLC Overview

## PLC System

The CLICK PLC family of components is designed to offer practical PLC features in a compact and expandable design as well as best ease-of-use.

### System Configuration

A powered CLICK PLC by itself can be used as a complete PLC system with 8 input points and 6 output points built-in (Basic, Standard, Ethernet Basic, and Ethernet Standard PLCs). CLICK Analog and Ethernet Analog PLC units have either 2 or 4 analog input points and 2 analog output points, as well as 4 discrete input points and 4 discrete output points. The system can also be expanded with the addition of up to 8 I/O modules. CLICK PLCs also feature high-speed capability in Ethernet Basic, Ethernet Standard and Ethernet Analog PLCs.

### Communications

Basic, Standard and Analog PLCs have two built-in RS-232 communications ports. Standard and Analog PLCs also have one built-in RS-485 communications port. One RS-232 port supports the Modbus RTU (slave only) protocol only and can be used as the programming port. The other ports support either Modbus RTU (master/slave) or ASCII (in/out) protocol. Both RS-232 ports supply 5VDC, so you can connect a monochrome C-more Micro HMI panel without an additional power supply.

CLICK Ethernet Basic, Standard and Analog PLC units have one built-in 10/100 Mbps Ethernet communication port for both programming and Modbus TCP (client/server) and Ethernet/IP (adapter/server) Networking and one standard RS-232 serial communications port. Additionally, Ethernet Standard and Analog PLC units have an RS-485 port.

### Analog I/O

Analog PLC Units have built-in analog I/O (2- or 4-channel analog input and 2-channel analog output). Analog input, output and combo I/O modules are also available.

### Calendar / Clock & Battery Backup

All PLC units except Basic PLC units, include a real time clock and battery backup for the internal SRAM. The battery allows data to be retained for 3 years (Battery sold separately).

### FREE Programming Software

The CLICK programming software can be downloaded free from our Web site: [Automationdirect.com](http://Automationdirect.com).

### Easy-to-Use Instructions

The CLICK PLC supports a very simple but practical instruction set. The easy-to-use instructions including PID, cover most applications that are suitable for this class of PLC.

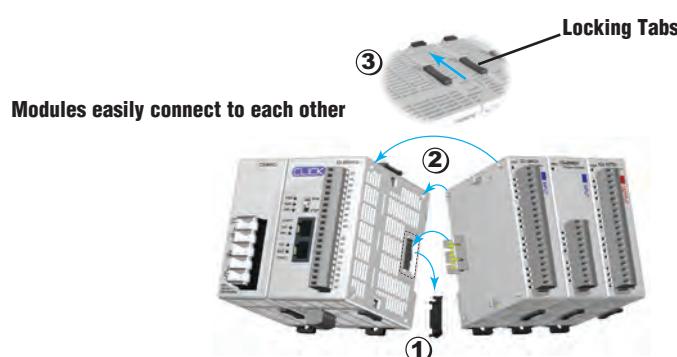
### 8,000 Steps Program Memory

The CLICK PLC can store up to 8,000 steps 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!**



### 2 Year Warranty

All CLICK PLC units are covered under a 2 year warranty.



# CLICK PLC Overview

## PLC Units

The thirty one CLICK PLC units are available with different combinations of built-in I/O types.



**Basic PLC**

CLICK Basic PLC Units			
Part Number	Inputs (8 points)	Outputs (6 points)	Price
<b>CO-00DD1-D</b>	DC (24VDC, sink/source)	DC (0.1 A, 5-27 VDC, Sink)	\$69.00
<b>CO-00DD2-D</b>		DC (0.1 A, 24VDC, Source)	\$69.00
<b>CO-00DR-D</b>		Relay (1 A @ 6-27 VDC/6-240 VAC)	\$86.00
<b>CO-00AR-D</b>	AC (100-120 VAC)		\$86.00

### Basic PLC Unit Features:

- Eight discrete input points
- Six discrete output points
- Two RS-232 communications ports



**Standard PLC**

CLICK Standard PLC Units			
Part Number	Inputs (8 points)	Outputs (6 points)	Price
<b>CO-01DD1-D</b>	DC (24VDC, sink/source)	DC (0.1 A, 5-24VDC, Sink)	\$105.00
<b>CO-01DD2-D</b>		DC (0.1 A, 24VDC, Source)	\$105.00
<b>CO-01DR-D</b>		Relay (1 A @ 6-27 VDC/ 6-240 VAC)	\$117.00
<b>CO-01AR-D</b>	AC (100-120 VAC)		\$117.00

### Standard PLC Unit Features:

- Eight discrete input points
- Six discrete output points
- Two RS-232 communications ports
- One RS-485 communications port
- Calendar / clock
- Battery backup (Battery, p/n D2-BAT-1, sold separately)



**Analog PLC**

CLICK Analog PLC Units				
Part Number	Inputs (4 points)	Outputs (4 points)	Analog Inputs, Outputs	Price
<b>CO-02DD1-D</b>	DC (24VDC, sink/source)	DC (0.1 A, 5-24VDC, Sink)	2 channels in / 2 channels out; voltage (0-5 VDC) and current (4-20 mA)	\$138.00
<b>CO-02DD2-D</b>		DC (0.1 A, 24VDC, Source)	selectable, 12-bit resolution for both inputs and outputs	\$138.00
<b>CO-02DR-D</b>		Relay (1 A @ 6-27 VDC/6-240 VAC)		\$148.00

### Analog PLC Unit Features:

- Four discrete input points and four discrete output points
- Two analog input points and two analog output points (not isolated)
- Two RS-232 communications ports
- One RS-485 communications port
- Calendar / clock
- Battery backup (Battery, p/n D2-BAT-1, sold separately)

# CLICK PLC Overview

## PLC Units (continued)



**Ethernet Basic PLC**

CLICK Ethernet Basic PLC Units			
Part Number	Inputs (8 points)	Outputs (6 points)	Price
<b>CO-10DD1E-D</b>	DC (24VDC, sink/source) 4 points High-Speed	DC (0.1 A, 5-27 VDC, Sink)	\$138.00
<b>CO-10DD2E-D</b>		DC (0.1 A, 24VDC, Source)	\$138.00
<b>CO-10DRE-D</b>		Relay (1A @ 6-27 VDC/6-240 VAC)	\$148.00
<b>CO-10ARE-D</b>	AC (100-120 VAC)		\$148.00

### Ethernet Basic PLC Unit Features:

- Eight discrete input points
- Six discrete output points
- One Ethernet communications port
- One RS-232 communications port
- Calendar / clock
- Battery backup (Battery, p/n D2-BAT-1, sold separately)



**Ethernet Standard PLC**

CLICK Ethernet Standard PLC Units			
Part Number	Inputs (8 points)	Outputs (6 points)	Price
<b>CO-11DD1E-D</b>	DC (24VDC, sink/source) 8 points High-Speed	DC (0.1 A, 5-27 VDC, Sink)	\$160.00
<b>CO-11DD2E-D</b>		DC (0.1 A, 24VDC, Source)	\$160.00
<b>CO-11DRE-D</b>		Relay (1 A @ 6-27 VDC/ 6-240 VAC)	\$170.00
<b>CO-11ARE-D</b>	AC (100-120 VAC)		\$170.00

### Ethernet Standard PLC Unit Features:

- Eight discrete input points
- Six discrete output points
- One Ethernet communications port
- One RS-232 communications port
- One RS-485 communications port
- Calendar / clock
- Battery backup (Battery, p/n D2-BAT-1, sold separately)

# CLICK PLC Overview

## PLC Units (continued)



Ethernet  
Analog PLC

CLICK Ethernet Analog PLC Units							
Part Number	Discrete Inputs (4 points)	Discrete Outputs (4 points)	Analog Inputs	Analog Outputs	External Power	Price	
<b>CO-12DD1E-D</b>	DC (24V, sink/source) 4 points High-Speed	DC (0.1 A, 5–27 V, sink) DC (0.1 A, 24V, source)	2 channel; voltage (0–5 VDC) / current (4–20 mA); selectable separately per channel, 12-bit	2 channel; voltage (0–5 VDC) / current (4–20 mA); selectable separately per channel, 12-bit	24VDC (Required for all PLC units)	\$191.00	
<b>CO-12DD2E-D</b>						\$191.00	
<b>CO-12DRE-D</b>						\$203.00	
<b>CO-12ARE-D</b>	AC (100–120 VAC)	Relay (1 A @ 6–27 VDC/ 6–240 VAC)				\$203.00	
<b>CO-12DD1E-1-D</b>	DC (24V, sink/source) 4 points High-Speed	DC (sink)	4 channel; current (0–20 mA), 12-bit	2 channel; current (4–20 mA), 12-bit		\$191.00	
<b>CO-12DD2E-1-D</b>		DC (source)				\$191.00	
<b>CO-12DRE-1-D</b>		Relay (1 A @ 6–27 VDC/ 6–240 VAC)				\$203.00	
<b>CO-12ARE-1-D</b>	AC (100–120 VAC)					\$203.00	
<b>CO-12DD1E-2-D</b>	DC (24V, sink/source) 4 points High-Speed	DC (sink)	4 channel; voltage (0–10 VDC), 12-bit	2 channel; voltage (0–10 VDC), 12-bit		\$191.00	
<b>CO-12DD2E-2-D</b>		DC (source)				\$191.00	
<b>CO-12DRE-2-D</b>		Relay (1 A @ 6–27 VDC/ 6–240 VAC)				\$203.00	
<b>CO-12ARE-2-D</b>	AC (100–120 VAC)					\$203.00	

### Ethernet Analog PLC Unit Features:

- Four discrete input points
- Four discrete output points
- Two or Four analog input points (current or voltage)
- Two analog output points (current or voltage)
- One Ethernet communications port
- One RS-232 communications port
- One RS-485 communications port
- Calendar / clock
- Battery backup (Battery, p/n D2-BAT-1, sold separately)

# CLICK PLC Overview

## Power Supplies

Two power supplies are offered.



CO-00AC



CO-01AC

## DC-DC Converter

This DC-to-DC converter can be used to power the CLICK PLC from 12VDC input power.



PSP24-DC12-1

### CLICK Power Supplies

Part Number	Input Voltage	Output Current	Price
<b>CO-00AC</b>	85-264 VAC	0.5 A @ 24VDC	\$31.00
<b>CO-01AC</b>	85-264 VAC	1.3 A @ 24VDC	\$42.50

### 12VDC-to-24VDC Converter

Part Number	Input Voltage	Output Current	Price
<b>PSP24-DC12-1</b>	9.5-18 VDC	1.0 A @ 24VDC	\$81.00

## Discrete Input Modules

There are six discrete input modules available.



CO-08ND3



CO-08ND3-1



CO-16ND3



CO-08NE3



CO-16NE3



CO-08NA

### CLICK Discrete Input Modules

Part Number	Inputs	Price
<b>CO-08ND3</b>	DC (8 pts, 12-27 VDC)	\$35.50
<b>CO-08ND3-1</b>	DC (8 pts, 3.3-5 VDC)	\$35.50
<b>CO-16ND3</b>	DC (16 pts, 24VDC)	\$48.00
<b>CO-08NE3</b>	AC/DC (8 pts, 24 VAC/VDC)	\$37.50
<b>CO-16NE3</b>	AC/DC (16 pts, 24 VAC/VDC)	\$52.00
<b>CO-08NA</b>	AC (8 pts, 100-120 VAC)	\$43.00

## Discrete Output Modules

There are nine discrete output modules available.



CO-08TD1



CO-08TD2



CO-16TD1



CO-16TD2



CO-08TA



CO-04TRS



CO-04TRS-10



CO-08TR



CO-08TR-3

### CLICK Discrete Output Modules

Part Number	Outputs	Price
<b>CO-08TD1</b>	DC (8 pts, 0.3 A @ 3.3-27 VDC, Sink)	\$38.00
<b>CO-08TD2</b>	DC (8 pts, 0.3 A @ 12-24 VDC, Source)	\$38.00
<b>CO-16TD1</b>	DC (16 pts, 0.1 A @ 5-27 VDC, Sink)	\$48.00
<b>CO-16TD2</b>	DC (16 pts, 0.1 A @ 12-24 VDC, Source)	\$48.00
<b>CO-08TA</b>	AC (8 pts, 0.3A @ 17-240 VAC)	\$54.00
<b>CO-04TRS*</b>	Relay (4 pts, 7A @ 6-27 VDC/6-240 VAC)	\$47.00
<b>CO-04TRS-10</b>	Relay (4 pts, 10A @ 6-24 VDC/6-240 VAC)	\$54.00
<b>CO-08TR</b>	Relay (8 pts, 1A @ 6-27 VDC/6-240 VAC)	\$43.50
<b>CO-08TR-3</b>	Relay (8 pts, 3A @ 6-27 VDC/6-240 VAC)	\$49.00

\* To drive more than a 7A load or to use replaceable relays, consider using a CO-16TD1 output module with a ZL-RRL16-24-1 ZIPLink relay module and the correct ZIPLink cable (see Wiring System for CLICK PLCs later in this section).

# CLICK PLC Overview

## Discrete Combo I/O Modules

There are three discrete combo modules available.



CO-16CDD1



CO-16CDD2



CO-08CDR

CLICK Discrete Combo I/O Modules			
Part Number	Input Type	Output Type	Price
<b>CO-16CDD1</b>	DC (8 pts, 24VDC)	DC (8 pts, 0.1 A @ 5–27 VDC, Sink)	\$62.00
<b>CO-16CDD2</b>	DC (8 pts, 24VDC)	DC (8 pts, 0.1 A @ 12–24 VDC, Source)	\$62.00
<b>CO-08CDR</b>	DC (4 pts, 12–24 VDC) (4 pts, 1A @ 6.25–24 VDC / 6–240 VAC)	Relay	\$53.00

## Specialty I/O Modules

There is one specialty discrete I/O module available.



CO-08SIM

CLICK Specialty Module		
Part Number	Inputs	Price
<b>CO-08SIM</b>	8-pt, Toggle Switch	\$49.00

# CLICK PLC Overview

## Analog Input Modules

There are four analog input modules available.



CO-04AD-1



CO-04AD-2



CO-04RTD



CO-04THM

CLICK Analog Input Modules		
Part Number	Analog Input Types	Price
<b>CO-04AD-1</b>	4 channel, current (0-20 mA), 13 bit	\$97.00
<b>CO-04AD-2</b>	4 channel, voltage (0-10 V), 13 bit	\$98.00
<b>CO-04RTD</b>	4 channel RTD input (0.1 degree °C/°F resolution), or resistive input (0-3125Ω, 0.1Ω or 0.01Ω resolution)	\$165.00
<b>CO-04THM</b>	4 channel thermocouple input (0.1 degree °C/°F resolution), or voltage input (-156.25 mV to 1.25 V, 16 bit)	\$165.00

## Analog Output Modules

There are two analog output modules available.



CO-04DA-1



CO-04DA-2

CLICK Analog Output Modules		
Part Number	Analog Output Types	Price
<b>CO-04DA-1</b>	4 channel, current sourcing (4-20 mA), 12-bit	\$132.00
<b>CO-04DA-2</b>	4 channel, voltage (0-10 V), 12-bit	\$132.00

## Analog Combo I/O Modules

There are two analog combo modules available.



CO-4AD2DA-1



CO-4AD2DA-2

CLICK Analog Combo I/O Modules			
Part Number	Analog Input Type	Analog Output Type	Price
<b>CO-4AD2DA-1</b>	4 channel, current (0-20 mA), 13-bit	2 channel, current sourcing (4-20 mA), 12-bit	\$172.00
<b>CO-4AD2DA-2</b>	4 channel, voltage (0-10 V), 13-bit	2 channel, voltage (0-10 V), 12-bit	\$165.00

# CLICK PLC Overview

## 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 PLC unit.



### 2. If you need additional I/O, select from 24 different types of I/O modules.



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



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

[support.automationdirect.com/  
products/clickplcs.html](http://support.automationdirect.com/products/clickplcs.html)

### 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 CLICK PLC port. If your PC has a 9-pin serial communications port, use programming cable D2-DSCBL. If your PC has an Ethernet port, use C5E-STPYL-C3 (crossover) or C5E-STPYL-S3 (straight through) Ethernet cable.

C5E-STPYL-C3 (crossover)  
C5E-STPYL-S3 (straight through)



For Ethernet PLC Unit

D2-DSCBL



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

EA-MG-PGM-CBL



Connects to PC USB Port

or

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

Screwdriver  
TW-SD-MSL-2



Wire Strippers  
DN-WS



Hookup Wire



# CLICK Programming Software

## FREE Software!

CLICK programming software can be downloaded at no charge.

The CLICK programming software is designed to be a user-friendly application, and the tools, layout, and software interaction provide ease-of-use and quick learning.

The simple operation of this software allows users to quickly develop a ladder logic program. The online help file provides information that will help you get acquainted with the software quickly.

## C0-PGMSW

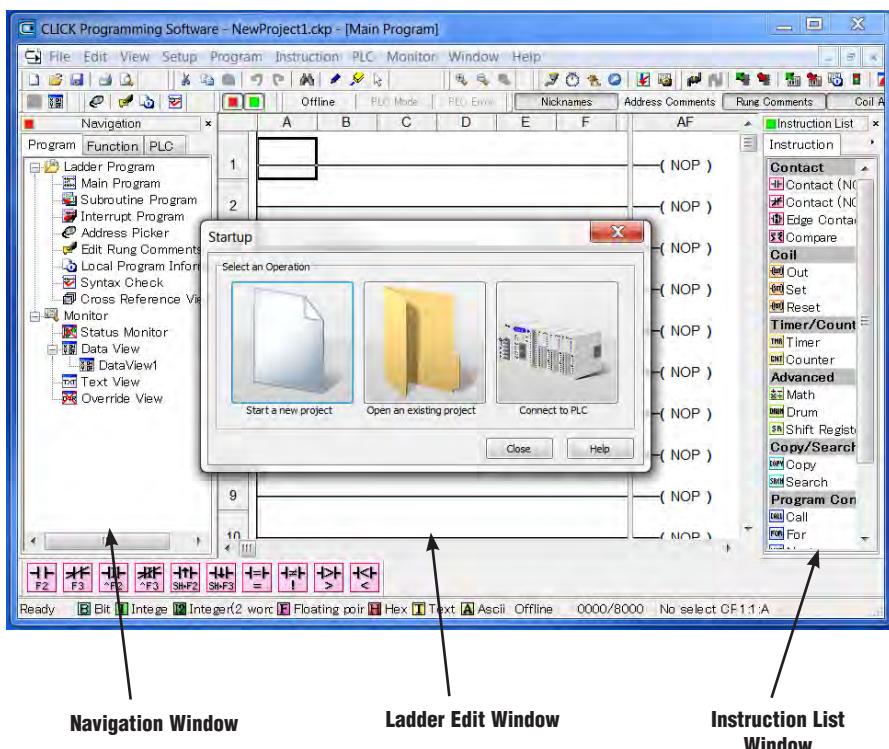
### Free Download

The programming software is also available for purchase on a CD-ROM for \$10.00



## Main window

The Main Window is displayed when the program opens. It is divided into Menus, Toolbars, and Windows that work together to make project development as simple as possible.



# CLICK Programming Software

## Instructions

The easy-to-use instructions are described in the CLICK programming software online help file.

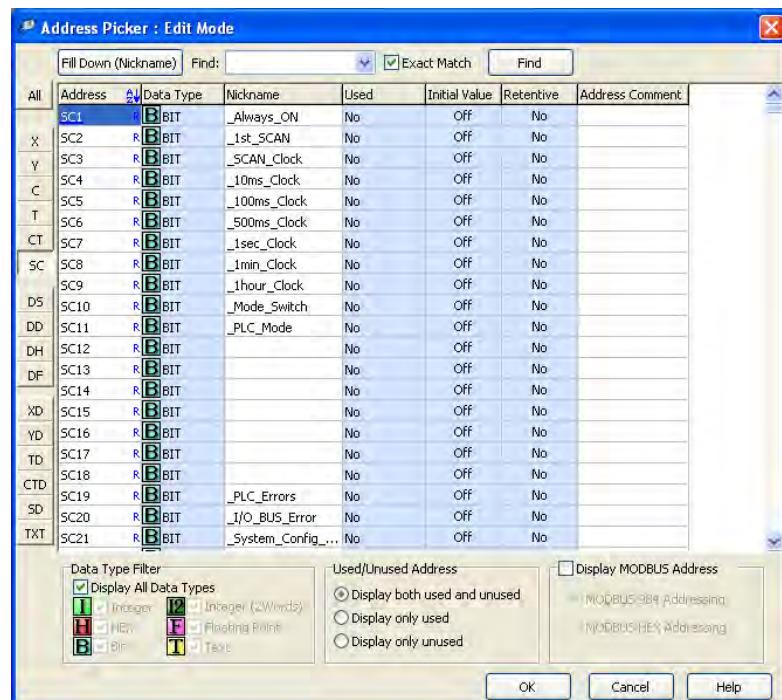
## Powerful Features!

CLICK programming software has amazingly powerful features for a free software product, such as

- Address picker
- Separate subroutine programs
- Separate interrupt programs
- Color rung comment feature
- Project loader
- Documentation is stored within the PLC Memory

## Address Picker

The Address Picker is a powerful multi-function memory table which can be used to assign nicknames, create address comments, and establish initial values for specific memory locations. It can assign specific memory locations to be retentive during power outages. The Address Picker also has powerful tools for sorting the memory table and making it easier to use.



## Subroutine Programs

Subroutine programs can be created and named to isolate a body of program code that is run selectively. You can run up to 986 subroutine programs.

## Interrupt Programs

Interrupt programs are created and named. Interrupt Programs are used for: External Interrupts, Software Interrupts, High Speed Input features.

