

# CLICK I/O Module Specifications

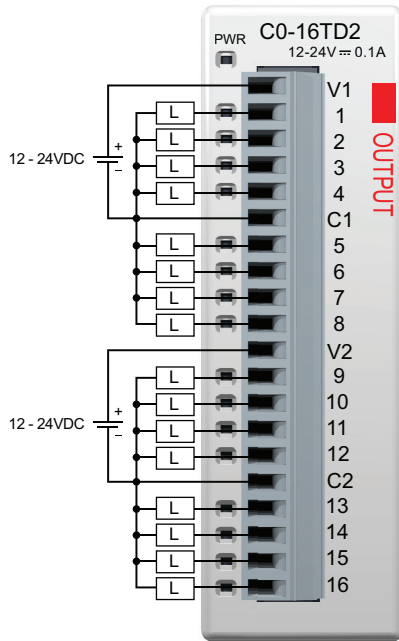
**C0-16TD2**

**\$45.00**

## 16-Point Sourcing DC Output Module

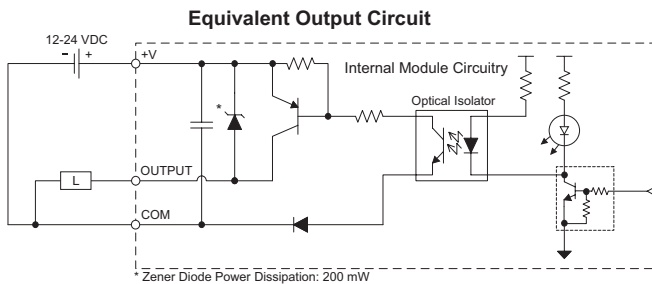
16-pt 12-24 VDC current sourcing output module,  
2 commons, isolated, 0.1 A/pt, removable terminal block  
included (replacement ADC p/n C0-16TB).

### Wiring Diagram

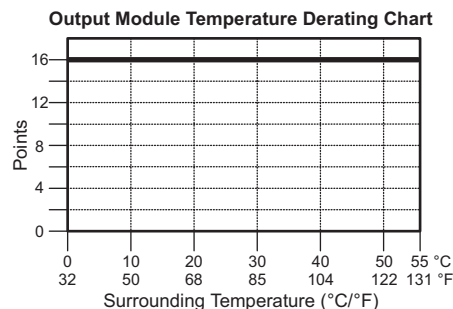


| Output Specifications              |                                                                |
|------------------------------------|----------------------------------------------------------------|
| <b>Outputs per Module</b>          | 16 (Source)                                                    |
| <b>Operating Voltage Range</b>     | 12-24 VDC                                                      |
| <b>Output Voltage Range</b>        | 9.6-30.0 VDC                                                   |
| <b>Maximum Output Current</b>      | 0.1 A/point, 0.8 A/common                                      |
| <b>Minimum Output Current</b>      | 0.2 mA                                                         |
| <b>Maximum Leakage Current</b>     | 0.1 mA @ 30.0 VDC                                              |
| <b>On Voltage Drop</b>             | 0.6 VDC @ 0.1 A                                                |
| <b>Maximum Inrush Current</b>      | 150 mA for 10 ms                                               |
| <b>OFF to ON Response</b>          | < 0.5 ms                                                       |
| <b>ON to OFF Response</b>          | < 0.5 ms                                                       |
| <b>Status Indicators</b>           | Logic Side (16 points, red LED)<br>Power Indicator (green LED) |
| <b>Commons</b>                     | 2 (8 points/common) Isolated                                   |
| <b>Bus Power Required (24 VDC)</b> | Max. 80 mA (All Outputs On)                                    |
| <b>Terminal Block Replacement</b>  | ADC p/n C0-16TB                                                |
| <b>Weight</b>                      | 3.2 oz (90 g)                                                  |

### ZIPLink Pre-Wired PLC Connection Cables and Modules for CLICK PLC



20-pin connector cable  
ZL-C0-CBL20 (0.5 m length)  
ZL-C0-CBL20-1 (1.0 m length)  
ZL-C0-CBL20-2 (2.0 m length)



**ZL-RTB20** 20-pin  
feed-through  
connector module

**ZL-RFU20**  
fuse module

**ZL-RR16-24-2** relay module  
Note: 10A/Point (DC)  
8A/Point (AC)  
(Replaceable relays)

# Power Budgeting

## Power Budgeting

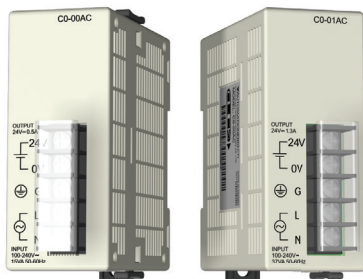
There are two areas to be considered when determining the power required to operate a CLICK PLC system. The first area is the power required by the CLICK PLC, along with the internal logic side power that the CPU provides to its own I/O and any connected I/O modules that are powered through the PLC expansion port; plus any device, such as a C-more Micro-Graphic panel, that is powered through one of the communications ports.

The second area is the power required by all externally connected I/O devices. This should be viewed as the field side power required. The field side power is dependent on the voltage used for a particular input or output device as it relates to the wired I/O point, and the calculated load rating of the connected device.

It is strongly recommended that the power source for the logic side be separate from the power source for the field side to help eliminate possible electrical noise.

Power budgeting requires the calculation of the total current the 24 VDC power source needs to provide to CLICK's logic side, and also a separate calculation of the total current required for all devices operating from the field side of the PLC system.

Refer to the Power Budgeting example shown on the following page. The table shows required current for a CLICK PLC, two I/O modules, and a C-more Micro. Use the total amperage values to select the properly sized power supply.



**CLICK 24 VDC Power Supply**  
CO-00AC or CO-01AC



**Other 24 VDC Power Supply**  
Example: PSP24-60S

## Power Consumption for CLICK PLC Units

| PLC Current Consumption (mA) |                                        |                                    |
|------------------------------|----------------------------------------|------------------------------------|
| Part Number                  | Power Budget<br>24 VDC<br>(logic side) | External<br>24 VDC<br>(field side) |
| Basic PLC Units              |                                        |                                    |
| CO-00DD1-D                   | 120                                    | 60                                 |
| CO-00DD2-D                   | 120                                    | 0                                  |
| CO-00DR-D                    |                                        |                                    |
| CO-00AR-D                    |                                        |                                    |
| Standard PLC Units           |                                        |                                    |
| CO-01DD1-D                   | 140                                    | 60                                 |
| CO-01DD2-D                   | 140                                    | 0                                  |
| CO-01DR-D                    |                                        |                                    |
| CO-01AR-D                    |                                        |                                    |
| Analog PLC Units             |                                        |                                    |
| CO-02DD1-D                   | 140                                    | 60                                 |
| CO-02DD2-D                   | 140                                    | 0                                  |
| CO-02DR-D                    |                                        |                                    |
| Ethernet Basic PLC Units     |                                        |                                    |
| CO-10DD1E-D                  | 120                                    | 60                                 |
| CO-10DD2E-D                  | 120                                    | 0                                  |
| CO-10DRE-D                   |                                        |                                    |
| CO-10ARE-D                   |                                        |                                    |
| Ethernet Standard PLC Units  |                                        |                                    |
| CO-11DD1E-D                  | 140                                    | 60                                 |
| CO-11DD2E-D                  | 140                                    | 0                                  |
| CO-11DRE-D                   |                                        |                                    |
| CO-11ARE-D                   |                                        |                                    |

| PLC Current Consumption (mA) |                                        |                                    |
|------------------------------|----------------------------------------|------------------------------------|
| Part Number                  | Power Budget<br>24 VDC<br>(logic side) | External<br>24 VDC<br>(field side) |
| Ethernet Analog PLC Units    |                                        |                                    |
| CO-12DD1E-D                  | 140                                    | 60                                 |
| CO-12DD2E-D                  |                                        | 0                                  |
| CO-12DRE-D                   | 160                                    |                                    |
| CO-12ARE-D                   |                                        |                                    |
| CO-12DD1E-1-D                | 140                                    | 60                                 |
| CO-12DD2E-1-D                | 160                                    | 0                                  |
| CO-12DRE-1-D                 |                                        |                                    |
| CO-12ARE-1-D                 | 140                                    | 60                                 |
| CO-12DD1E-2-D                |                                        |                                    |
| CO-12DD2E-2-D                | 160                                    | 0                                  |
| CO-12DRE-2-D                 |                                        |                                    |
| CO-12ARE-2-D                 | 140                                    |                                    |

# Power Budgeting

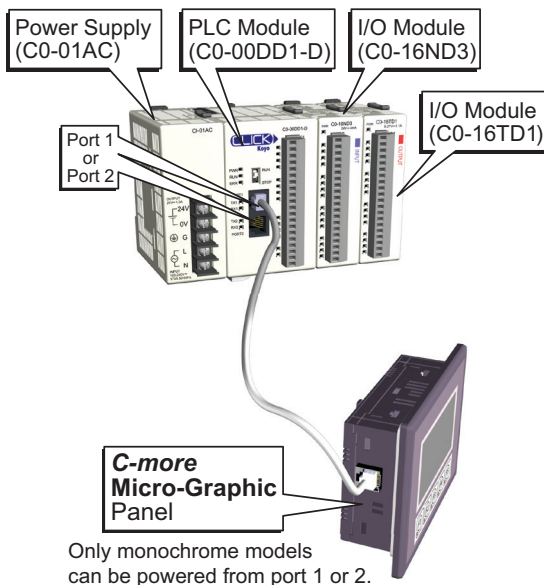
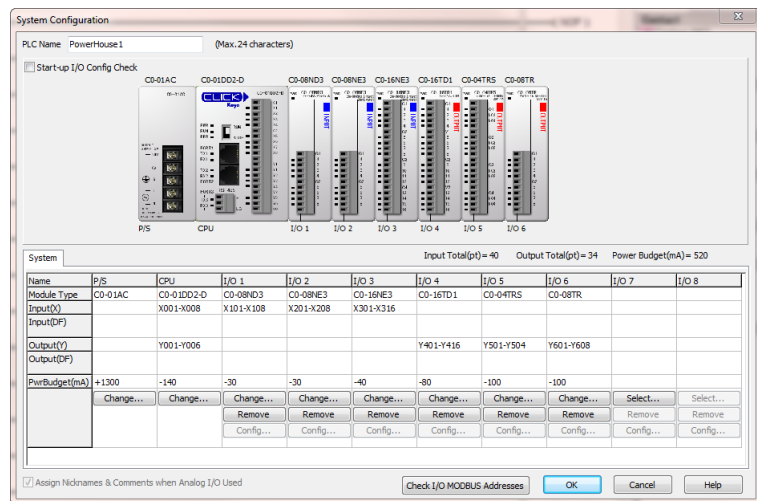
## Power Consumption for CLICK I/O Expansion Modules

| I/O Module Current Consumption (mA) |                                        |                                    |
|-------------------------------------|----------------------------------------|------------------------------------|
| Part Number                         | Power Budget<br>24 VDC<br>(logic side) | External<br>24 VDC<br>(field side) |
| <b>Discrete Input Modules</b>       |                                        |                                    |
| CO-08ND3                            | 30                                     | 0                                  |
| CO-08ND3-1                          | 30                                     | 0                                  |
| CO-16ND3                            | 40                                     | 0                                  |
| CO-08NE3                            | 30                                     | 0                                  |
| CO-16NE3                            | 40                                     | 0                                  |
| CO-08NA                             | 30                                     | 0                                  |
| <b>Discrete Output Modules</b>      |                                        |                                    |
| CO-08TD1                            | 50                                     | 15                                 |
| CO-08TD2                            | 50                                     | 0                                  |
| CO-16TD1                            | 80                                     | 100                                |
| CO-16TD2                            | 80                                     | 0                                  |
| CO-08TA                             | 80                                     | 0                                  |
| CO-04TRS                            | 100                                    | 0                                  |
| CO-08TR                             | 100                                    | 0                                  |

| I/O Module Current Consumption<br>(continued) (mA) |                                        |                                    |
|----------------------------------------------------|----------------------------------------|------------------------------------|
| Part Number                                        | Power Budget<br>24 VDC<br>(logic side) | External<br>24 VDC<br>(field side) |
| <b>Discrete Combo I/O Modules</b>                  |                                        |                                    |
| CO-16CDD1                                          | 80                                     | 50                                 |
| CO-16CDD2                                          | 80                                     | 0                                  |
| CO-08CDR                                           | 80                                     | 0                                  |
| <b>Analog Input Modules</b>                        |                                        |                                    |
| CO-04AD-1                                          | 20                                     | 65                                 |
| CO-04AD-2                                          | 23                                     | 65                                 |
| CO-04RTD                                           | 25                                     | 0                                  |
| CO-04THM                                           | 25                                     | 0                                  |
| <b>Analog Output Modules</b>                       |                                        |                                    |
| CO-04DA-1                                          | 20                                     | 145                                |
| CO-04DA-2                                          | 20                                     | 85                                 |
| <b>Analog Combo I/O Modules</b>                    |                                        |                                    |
| CO-4AD2DA-1                                        | 25                                     | 75                                 |
| CO-4AD2DA-2                                        | 20                                     | 65                                 |
| <b>C-more Micro-Graphic Panel</b>                  |                                        |                                    |
| Monochrome only                                    | 90                                     | 0                                  |

## Power Budgeting Using the CLICK Programming Software

The CLICK Programming software can also be used for power budgeting. Based on the amperage rating of the power supply selected in the first column, your power budget is calculated by subtracting each consecutive module's power consumption from the total available power budget. If you exceed the maximum allowable power consumption the power budget row is highlighted in red.



## Power Budgeting Example

| Current Consumption (mA) Example |                                        |                                    |
|----------------------------------|----------------------------------------|------------------------------------|
| Part Number                      | Power Budget<br>24 VDC<br>(logic side) | External<br>24 VDC<br>(field side) |
| CO-00DD1-D                       | 120                                    | 60                                 |
| CO-16ND3                         | 40                                     | 0                                  |
| CO-16TD1                         | 80                                     | 100                                |
| C-more Micro                     | 90                                     | 0                                  |
| <b>Total:</b>                    | <b>330</b>                             | <b>160*</b>                        |

\* Add in calculated load of connected I/O devices.

# Choosing Expansion I/O Modules

## I/O Modules

A variety of discrete, combo, and analog I/O modules are available for the CLICK PLC system. Up to eight I/O modules can be connected to a CLICK PLC unit to expand the system I/O count and meet the needs of a specific application. Complete I/O module specifications and wiring diagrams can be found later in this section.

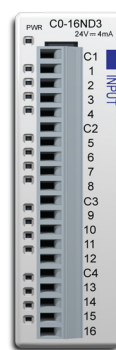
## Discrete Input Modules



CO-08ND3



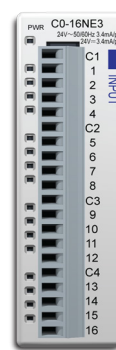
CO-08ND3-1



CO-16ND3



CO-08NE3



CO-16NE3



CO-08NA

| Discrete Input Modules |                             |                   |                    |
|------------------------|-----------------------------|-------------------|--------------------|
| Part Number            | I/O Type/<br>Number/Commons | Sink or<br>Source | Voltage<br>Ratings |
| <b>CO-08ND3</b>        | DC/8/2                      | Sink or Source    | 12-24 VDC          |
| <b>CO-08ND3-1</b>      | DC/8/2                      | Sink or Source    | 3.3-5 VDC          |
| <b>CO-16ND3</b>        | DC/16/4                     | Sink or Source    | 24 VDC             |
| <b>CO-08NE3</b>        | AC/DC / 8/2                 | Sink or Source    | 24 VAC/VDC         |
| <b>CO-16NE3</b>        | AC/DC / 16/4                | Sink or Source    | 24 VAC/VDC         |
| <b>CO-08NA</b>         | AC/8/2                      | N/A               | 100-120 VAC        |

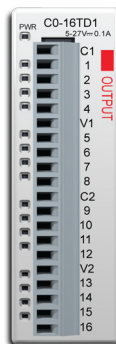
## Discrete Output Modules



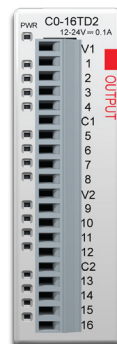
CO-08TD1



CO-08TD2



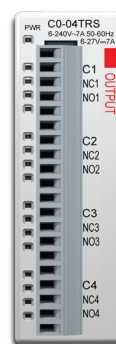
CO-16TD1



CO-16TD2



CO-08TA



CO-04TRS



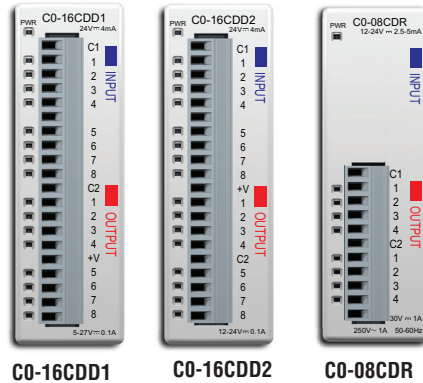
CO-08TR

| Discrete Output Modules |                              |                   |                                 |
|-------------------------|------------------------------|-------------------|---------------------------------|
| Part Number             | I/O Type/<br>Number/ Commons | Sink or<br>Source | Voltage/Current<br>Ratings      |
| <b>CO-08TD1</b>         | DC/8/2                       | Sink              | 3.3-27 VDC, 0.3 A               |
| <b>CO-08TD2</b>         | DC/8/1                       | Source            | 12-24 VDC, 0.3 A                |
| <b>CO-16TD1</b>         | DC/16/2                      | Sink              | 5-27 VDC, 0.1 A                 |
| <b>CO-16TD2</b>         | DC/16/2                      | Source            | 12-24 VDC, 0.1 A                |
| <b>CO-08TA</b>          | AC/8/2                       | N/A               | 17-240 VAC, 0.3 A               |
| <b>CO-04TRS</b>         | Relay/4/4                    | N/A               | 6-27 VDC, 7 A<br>6-240 VAC, 7 A |
| <b>CO-08TR</b>          | Relay/8/2                    | N/A               | 6-27 VDC, 1 A<br>6-240 VAC, 1 A |

# Choosing Expansion I/O Modules

## Discrete I/O Modules (continued)

### Discrete Combo I/O Modules



CO-16CDD1

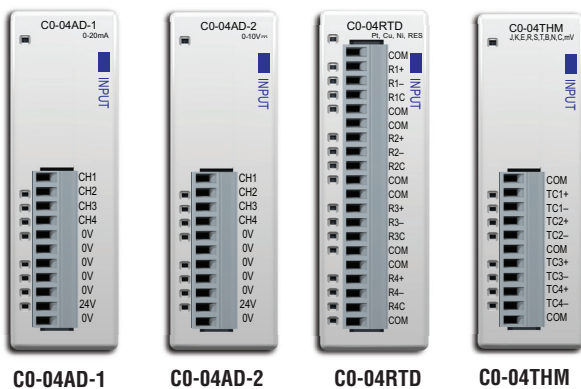
CO-16CDD2

CO-08CDR

| Discrete Combo I/O Modules |                    |               |               |                                    |
|----------------------------|--------------------|---------------|---------------|------------------------------------|
| Part Number                | Input Type         | Input Voltage | Output Type   | Output Voltage / Current Ratings   |
| <b>CO-16CDD1</b>           | 8 DC (source/sink) | 24 VDC        | 8 DC (sink)   | 5-27 VDC / 0.1 A                   |
| <b>CO-16CDD2</b>           | 8 DC (source/sink) | 24 VDC        | 8 DC (source) | 12-24 VDC / 0.1 A                  |
| <b>CO-08CDR</b>            | 4 DC (source/sink) | 12-24 VDC     | 4 (relay)     | 6.25-24 VDC, 1 A<br>6-240 VAC, 1 A |

## Analog I/O Modules

### Analog Input Modules



CO-04AD-1

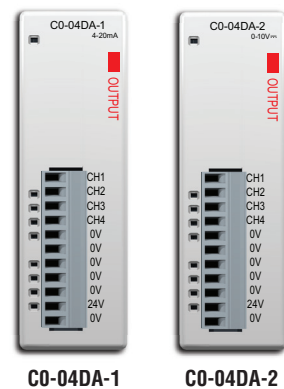
CO-04AD-2

CO-04RTD

CO-04THM

| Analog Input Modules |                                                                                                             |                         |
|----------------------|-------------------------------------------------------------------------------------------------------------|-------------------------|
| Part Number          | Analog Input Types                                                                                          | External Power Required |
| <b>CO-04AD-1</b>     | 4 channel, current (0-20 mA), 13 bit                                                                        | 24 VDC                  |
| <b>CO-04AD-2</b>     | 4 channel, voltage (0-10 V), 13 bit                                                                         | 24 VDC                  |
| <b>CO-04RTD</b>      | 4 channel RTD input (0.1 degree °C/°F resolution), or resistive input (0 to 3125 ohms)                      | None                    |
| <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 | None                    |

### Analog Output Modules



CO-04DA-1

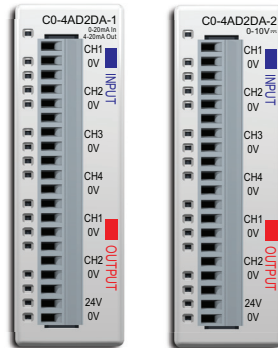
CO-04DA-2

| Analog Output Modules |                                               |                         |
|-----------------------|-----------------------------------------------|-------------------------|
| Part Number           | Analog Output Types                           | External Power Required |
| <b>CO-04DA-1</b>      | 4 channel, current sourcing (4-20 mA), 12 bit | 24 VDC                  |
| <b>CO-04DA-2</b>      | 4 channel, voltage (0-10 V), 12 bit           | 24 VDC                  |

# Choosing Expansion I/O Modules

## Analog I/O Modules (continued)

### Analog Combo I/O Modules



C0-4AD2DA-1

C0-4AD2DA-2

| Analog Combo I/O Modules |                                      |                                               |                         |
|--------------------------|--------------------------------------|-----------------------------------------------|-------------------------|
| Part Number              | Analog Input Type                    | Analog Output Type                            | External Power Required |
| <b>C0-4AD2DA-1</b>       | 4 channel, current (0-20 mA), 13 bit | 2 channel, current sourcing (4-20 mA), 12 bit | 24 VDC                  |
| <b>C0-4AD2DA-2</b>       | 4 channel, voltage (0-10 V), 13 bit  | 4 channel, voltage (0-10 V), 12 bit           | 24 VDC                  |

## General Specifications For All CLICK PLC Products

These general specifications apply to all CLICK PLCs, optional I/O modules, and optional power supply products. Please refer to the appropriate I/O temperature derating charts under both the PLC and I/O module specifications to determine best operating conditions based on the ambient temperature of your particular application.

| General Specifications                |                                                                                                                                                                                                                                                                                       |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power Input Voltage Range</b>      | 20–28 VDC                                                                                                                                                                                                                                                                             |
| <b>Maximum Power Consumption</b>      | 5W (No 5V use from communication port)                                                                                                                                                                                                                                                |
| <b>Maximum Inrush Current</b>         | 30A (less than 1ms)                                                                                                                                                                                                                                                                   |
| <b>Acceptable External Power Drop</b> | Max 10ms                                                                                                                                                                                                                                                                              |
| <b>Operating Temperature</b>          | Analog, analog combo I/O modules only:<br>32°F to 140°F (0°C to 60°C);<br>All other modules:<br>32°F to 131°F (0°C to 55°C),<br>IEC 60068-2-14 (Test Nb, Thermal Shock)                                                                                                               |
| <b>Storage Temperature</b>            | –4°F to 158°F (–20°C to 70°C)<br>IEC 60068-2-1 (Test Ab, Cold)<br>IEC 60068-2-2 (Test Bb, Dry Heat)<br>IEC 60068-2-14 (Test Na, Thermal Shock)                                                                                                                                        |
| <b>Ambient Humidity</b>               | 30% to 95% relative humidity (non-condensing)                                                                                                                                                                                                                                         |
| <b>Environmental Air</b>              | No corrosive gases. Environmental pollution level is 2 (UL840)                                                                                                                                                                                                                        |
| <b>Vibration</b>                      | MIL STD 810C, Method 514.2, EC60068-2-6<br>JIS C60068-2-6 (Sine wave vibration test)                                                                                                                                                                                                  |
| <b>Shock</b>                          | MIL STD 810C, Method 516.2, IEC60068-2-27, JIS C60068-2-27                                                                                                                                                                                                                            |
| <b>Noise Immunity</b>                 | Comply with NEMA ICS3-304, Impulse noise 1μs, 1000V<br>EN61000-4-2 (ESD), EN61000-4-3 (RFI), EN61000-4-4 (FTB)<br>EN61000-4-5 (Surge), EN61000-4-6 (Conducted)<br>EN61000-4-8 (Power frequency magnetic field immunity)<br>RFI: No interference measured at 150 and 450 MHz (5w/15cm) |
| <b>Emissions</b>                      | EN55011:1998 Class A                                                                                                                                                                                                                                                                  |
| <b>Agency Approvals</b>               | UL508 (File No. E157382, E316037); CE (EN61131-2)                                                                                                                                                                                                                                     |
| <b>Other</b>                          | RoHS                                                                                                                                                                                                                                                                                  |





# Wiring System for CLICK PLCs

## Wiring Solutions using the ZIPLink Wiring System

**ZIPLinks** eliminate the normally tedious process of wiring between devices by utilizing prewired cables and DIN rail mount connector modules. It's as simple as plugging in a cable connector at either end or terminating wires at only one end. Prewired cables keep installation clean and efficient, using half the space at a fraction of the cost of standard terminal blocks.



**ZIPLinks** are available in a variety of styles to suit your needs, including feedthrough connector module. **ZIPLinks** are available for all Basic, Standard and Ethernet CLICK PLC units and most discrete and analog I/O modules. Pre-printed I/O-specific adhesive label strips for quick marking of **ZIPLink** modules are provided with **ZIPLink** cables.

### Solution 1: CLICK PLC and I/O Modules to ZIPLink Connector Modules

When looking for quick and easy I/O-to-field termination, a **ZIPLink** connector module used in conjunction with a prewired **ZIPLink** cable, consisting of an I/O terminal block at one end and a multi-pin connector at the other end, is the best solution.

Use the "CLICK PLC Unit **ZIPLink** Selector" table and CLICK I/O **ZIPLink** selector tables located in this section:

1. Locate your PLC or I/O module.
2. Select a **ZIPLink** Module.
3. Select a corresponding **ZIPLink** Cable.

### Solution 2: CLICK PLC and I/O Modules to 3rd Party Devices

When wanting to connect I/O to another device within close proximity of the I/O modules, no extra terminal blocks are necessary when using the **ZIPLink** Pigtail Cables. **ZIPLink** Pigtail Cables are prewired to an I/O terminal block with color-coded pigtail with soldered-tip wires on the other end.

Use the I/O Modules to 3rd Party Devices selector tables located in the **ZIPLink** section:

1. Locate your PLC or I/O module.
2. Select a **ZIPLink** Pigtail Cable that is compatible with your 3rd party device.



### Solution 3: GS Series and DuraPulse Drives Communication Cables

Need to communicate via Modbus RTU to a drive or a network of drives?

**ZIPLink** cables are available in a wide range of configurations for connecting to PLCs and SureServo, SureStep, Stellar Soft Starter and AC drives. Add a **ZIPLink** communications module to quickly and easily set up a multi-device network.

Use the Drives Communication selector tables located in the **ZIPLink** section:

1. Locate your Drive and type of communications.
2. Select a **ZIPLink** cable and other associated hardware.



### Solution 4: Serial Communications Cables

**ZIPLink** offers communications cables for use with CLICK PLCs that can also be used with other communications devices. Connections include a 6-pin RJ12 connector which can be used in conjunction with the RJ12 Feedthrough module.

Use the Serial Communications Cables selector table located in the **ZIPLink** section:

1. Locate your connector type
2. Select a cable.





# Wiring System for CLICK PLCs

| CLICK PLC ZIPLink Selector |                                                                  |             |                 |                |
|----------------------------|------------------------------------------------------------------|-------------|-----------------|----------------|
| PLC                        |                                                                  | ZIPLink     |                 |                |
| PLC Unit                   | # of Terms                                                       | Component   | Module Part No. | Cable Part No. |
| CO-00DD1-D                 | 20                                                               | Feedthrough | ZL-RTB20        | ZL-CO-CBL20 *  |
| CO-00DD2-D                 |                                                                  |             |                 |                |
| CO-00DR-D                  |                                                                  |             |                 |                |
| CO-00AR-D                  |                                                                  |             |                 |                |
| CO-01DD1-D                 |                                                                  |             |                 |                |
| CO-01DD2-D                 |                                                                  |             |                 |                |
| CO-01DR-D                  |                                                                  |             |                 |                |
| CO-01AR-D                  |                                                                  |             |                 |                |
| CO-02DD1-D                 | No <b>ZIPL</b> inks are available for Analog PLC units.          |             |                 |                |
| CO-02DD2-D                 |                                                                  |             |                 |                |
| CO-02DR-D                  |                                                                  |             |                 |                |
| CO-10DD1E-D                | 20                                                               | Feedthrough | ZL-RTB20        | ZL-CO-CBL20 *  |
| CO-10DD2E-D                |                                                                  |             |                 |                |
| CO-10DRE-D                 |                                                                  |             |                 |                |
| CO-10ARE-D                 |                                                                  |             |                 |                |
| CO-11DD1E-D                |                                                                  |             |                 |                |
| CO-11DD2E-D                |                                                                  |             |                 |                |
| CO-11DRE-D                 |                                                                  |             |                 |                |
| CO-11ARE-D                 |                                                                  |             |                 |                |
| CO-12DD1E-D                | No <b>ZIPL</b> inks are available for Ethernet Analog PLC units. |             |                 |                |
| CO-12DD2E-D                |                                                                  |             |                 |                |
| CO-12DRE-D                 |                                                                  |             |                 |                |
| CO-12ARE-D                 |                                                                  |             |                 |                |
| CO-12DD1E-1-D              |                                                                  |             |                 |                |
| CO-12DD2E-1-D              |                                                                  |             |                 |                |
| CO-12DRE-1-D               |                                                                  |             |                 |                |
| CO-12ARE-1-D               |                                                                  |             |                 |                |
| CO-12DD1E-2-D              |                                                                  |             |                 |                |
| CO-12DD2E-2-D              |                                                                  |             |                 |                |
| CO-12DRE-2-D               |                                                                  |             |                 |                |
| CO-12ARE-2-D               |                                                                  |             |                 |                |

<sup>1</sup> Note: The CO-04TRS relay output is derated not to exceed 2A per point maximum when used with the ZIPLink wiring system.

<sup>2</sup> Note: Fuses (5 x 20 mm) are not included. See Edison Electronic Fuse section for (5 x 20 mm) fuse. S500 and GMA electronic circuit protection for fast-acting maximum protection. S506 and GMC electronic circuit protection for time-delay performance. Ideal for inductive circuits.

To ensure proper operation, do not exceed the voltage and current rating of ZIPLink module. ZL-RFU20 = 2A per circuit.

| CLICK PLC Discrete Input Module ZIPLink Selector |            |             |                 |                |
|--------------------------------------------------|------------|-------------|-----------------|----------------|
| I/O Module                                       |            | ZIPLink     |                 |                |
| Input Module                                     | # of Terms | Component   | Module Part No. | Cable Part No. |
| CO-08ND3                                         | 11         | Feedthrough | ZL-RTB20        | ZL-CO-CBL11 *  |
| CO-08ND3-1                                       |            |             |                 |                |
| CO-08NE3                                         |            |             |                 |                |
| CO-08NA                                          |            |             |                 |                |
| CO-16ND3                                         | 20         | Feedthrough | ZL-RTB20        | ZL-CO-CBL20 *  |
|                                                  |            | Sensor      | ZL-LTB16-24     |                |
| CO-16NE3                                         | 20         | Feedthrough | ZL-RTB20        |                |
|                                                  |            | Sensor      | ZL-LTB16-24     |                |

| CLICK PLC Discrete Output Module ZIPLink Selector |            |                  |                       |                |
|---------------------------------------------------|------------|------------------|-----------------------|----------------|
| I/O Module                                        |            | ZIPLink          |                       |                |
| Output Module                                     | # of Terms | Component        | Module Part No.       | Cable Part No. |
| CO-08TD1                                          | 11         | Feedthrough      | ZL-RTB20              | ZL-CO-CBL11 *  |
| CO-08TD2                                          |            |                  |                       |                |
| CO-08TR                                           |            |                  |                       |                |
| CO-08TA                                           |            |                  |                       |                |
| CO-16TD1                                          | 20         | Feedthrough      | ZL-RTB20              | ZL-CO-CBL20*   |
|                                                   |            | Fuse             | ZL-RFU20 <sup>2</sup> |                |
|                                                   |            | Relay (sinking)  | ZL-RRL16-24-1         |                |
| CO-16TD2                                          | 20         | Feedthrough      | ZL-RTB20              | ZL-CO-CBL20 *  |
|                                                   |            | Fuse             | ZL-RFU20 <sup>2</sup> |                |
|                                                   |            | Relay (sourcing) | ZL-RRL16-24-2         |                |
| CO-04TRS <sup>1</sup>                             | 20         | Feedthrough      | ZL-RTB20              | ZL-CO-CBL20 *  |

| CLICK PLC Combo I/O Module ZIPLink Selector |            |             |                 |                |
|---------------------------------------------|------------|-------------|-----------------|----------------|
| I/O Module                                  |            | ZIPLink     |                 |                |
| Combo Module                                | # of Terms | Component   | Module Part No. | Cable Part No. |
| CO-16CDD1                                   | 20         | Feedthrough | ZL-RTB20        | ZL-CO-CBL20 *  |
| CO-16CDD2                                   |            |             |                 |                |
| CO-08CDR                                    | 11         | Feedthrough | ZL-RTB20        | ZL-CO-CBL11 *  |

| CLICK PLC Analog I/O Module ZIPLink Selector |            |                                                             |                 |                |
|----------------------------------------------|------------|-------------------------------------------------------------|-----------------|----------------|
| I/O Module                                   |            | ZIPLink                                                     |                 |                |
| Analog Module                                | # of Terms | Component                                                   | Module Part No. | Cable Part No. |
| CO-04AD-1                                    | 11         | Feedthrough                                                 | ZL-RTB20        | ZL-CO-CBL11 *  |
| CO-04AD-2                                    | 11         | Feedthrough                                                 | ZL-RTB20        | ZL-CO-CBL11 *  |
| CO-04RTD                                     | 20         | No ZIPLinks are available for RTD and thermocouple modules. |                 |                |
| CO-04THM                                     | 11         |                                                             |                 |                |
| CO-04DA-1                                    | 11         | Feedthrough                                                 | ZL-RTB20        | ZL-CO-CBL11 *  |
| CO-04DA-2                                    | 11         | Feedthrough                                                 | ZL-RTB20        | ZL-CO-CBL11 *  |
| CO-4AD2DA-1                                  | 20         | Feedthrough                                                 | ZL-RTB20        | ZL-CO-CBL20 *  |
| CO-4AD2DA-2                                  | 20         | Feedthrough                                                 | ZL-RTB20        | ZL-CO-CBL20 *  |

\* Select the cable length by replacing the \* with: Blank = 0.5m, -1 = 1.0m, or -2 = 2.0m.