

# CLICK PLUS Option Slot Module Specifications

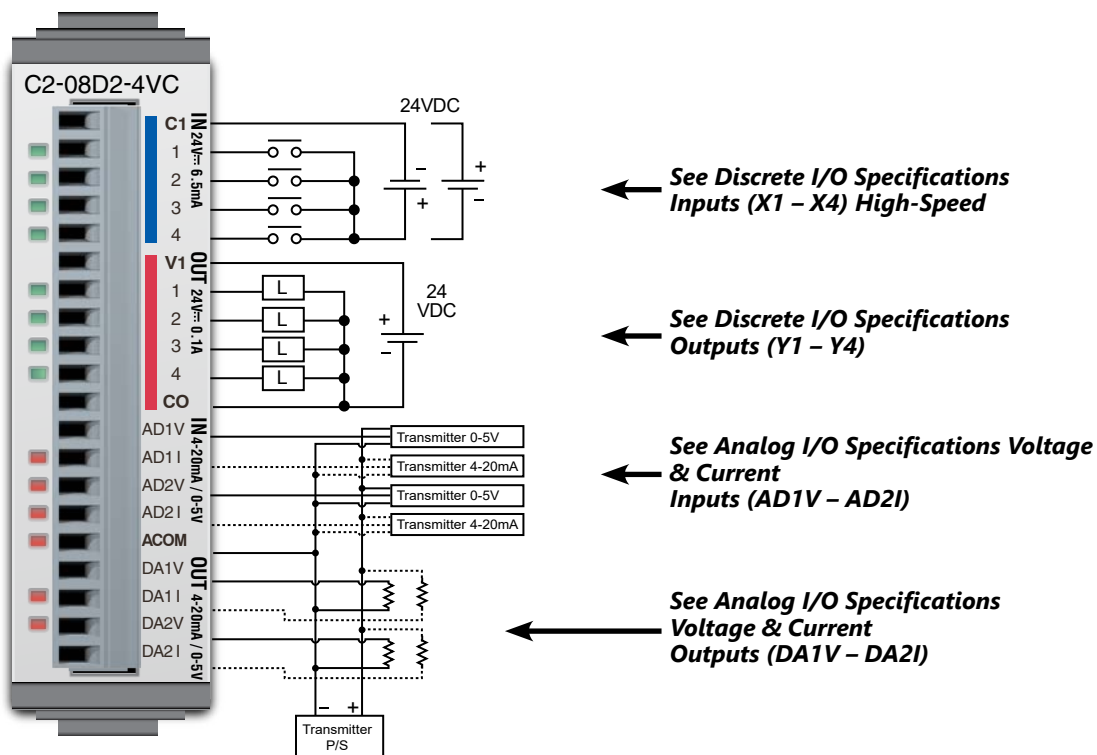
## C2-08D2-4VC

**4 DC Input / 4 Sourcing DC Output**  
**2 Analog Voltage/Current Input**  
**2 Analog Voltage/Current Output**  
**Option Slot I/O Module**



**NOTE:** Use this module and a CLICK PLUS CPU as a comparable replacement for the existing C0-12DD2E-D PLC.

### Wiring Diagram



**NOTE:** There are no **ZIPLink** pre-wired PLC connection cables and modules for the Analog Option Slot Modules (cannot mix discrete I/O and analog I/O signals in a **ZIPLink** cable).

General Specifications	
Current Consumption at 24VDC	80mA max (All Points On)
Terminal Block Replacement Part No.	<a href="#">C0-16TB</a>
Weight	48g

# CLICK PLUS Option Slot Module Specifications

## C2-08D2-4VC (cont'd)

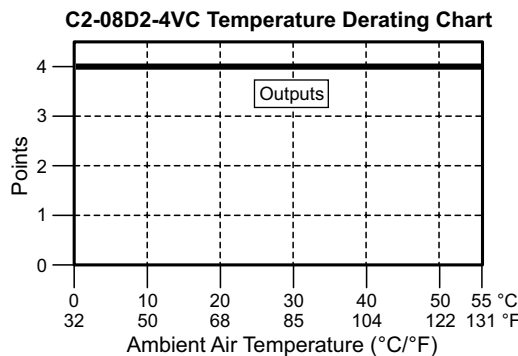
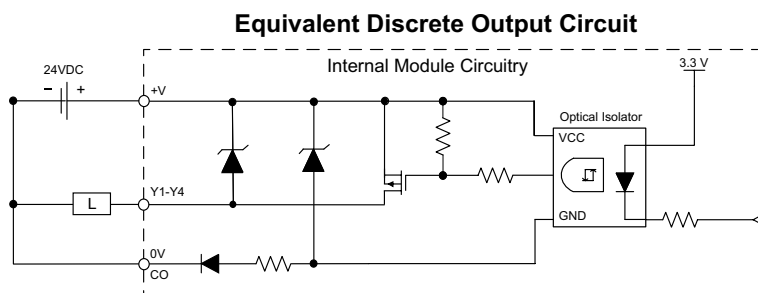
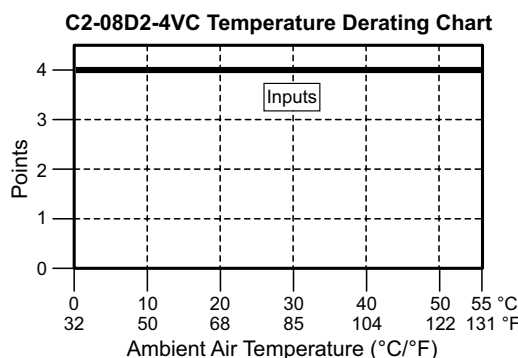
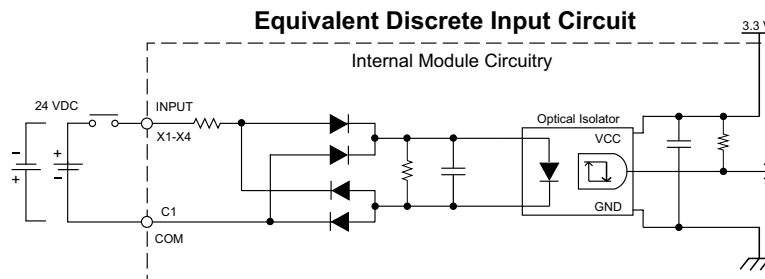
### X1 - X4 (High-Speed)

Discrete I/O Specifications - Inputs	
Inputs per Module	4 (Sink/Source)
Operating Voltage Range	24VDC
Input Voltage Range	21.6–26.4 VDC
Input Current	Typ 6.5 mA @ 24VDC
Maximum Input Current	7mA @ 26.4 VDC
Input Impedance	3.9 kΩ @ 24VDC
Maximum Input Frequency	X1-X4: 100kHz
ON Voltage Level	> 19VDC
OFF Voltage Level	< 2VDC
Minimum ON Current	4.5 mA
Maximum OFF Current	0.5 mA
OFF to ON Response	Typ 3μs, Max 5μs
ON to OFF Response	Typ 1μs, Max 3μs
Status Indicators	Logic Side (4 points, green LED)
Commons	1 (4 points/common)

Maximum Number of High Speed Counters	
Up	4
Down	4
Up/Down	2
Pulse/Direction	2
Quadrature A-B	2
Quadrature A-B+Z	1

### Y1 - Y4

Discrete I/O Specifications - Outputs	
Outputs per Module	4 (Source)
Operating Voltage Range	24VDC
Output Voltage Range	19.2–30 VDC
Maximum Output Current	0.1 A/point , 0.4 A/common
Minimum Output Current	0.2 mA
Maximum Leakage Current	0.1 mA @ 30VDC
On Voltage Drop	0.5 VDC@ 0.1 A
Maximum Inrush Current	150mA for 10ms
OFF to ON Response	< 5μs
ON to OFF Response	< 5μs
Status Indicators	Logic Side (4 points, red LED)
Commons	1 (4 pts or 1 pt/common)



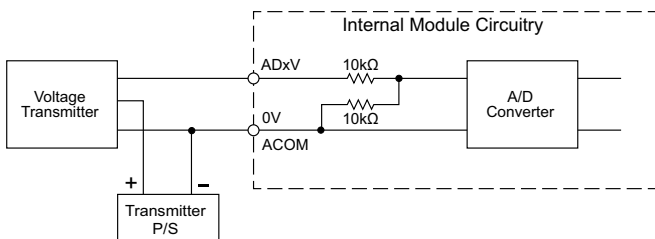
# CLICK PLUS Option Slot Module Specifications

## C2-08D2-4VC (cont'd)

### AD1V - AD2V

Analog Specifications - Voltage Input	
<b>Inputs per Module</b>	2 (voltage/current selectable)
<b>Input Range</b>	0–5 VDC
<b>Resolution</b>	12-bit
<b>Conversion Time</b>	50ms
<b>Input Impedance</b>	20kΩ
<b>Input Stability</b>	±2 LSB maximum
<b>Full-Scale Calibration Error</b>	±2% maximum
<b>Offset Calibration Error</b>	±25mV maximum
<b>Accuracy vs. Temperature Error</b>	±100ppm / °C maximum

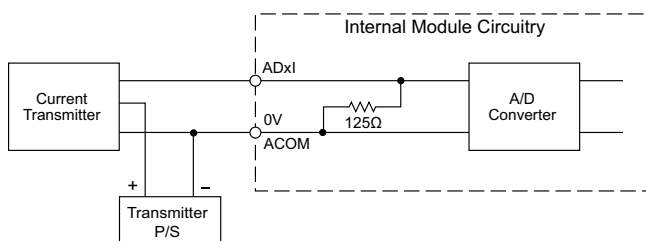
Analog Voltage Input Circuit



### AD1I - AD2I

Analog Specifications - Current Input	
<b>Inputs per Module</b>	2 (voltage/current selectable)
<b>Input Range</b>	4–20 mA (sink)
<b>Resolution</b>	12-bit
<b>Conversion Time</b>	50ms
<b>Input Impedance</b>	125Ω
<b>Input Stability</b>	±2 LSB maximum
<b>Full-Scale Calibration Error</b>	±2% maximum
<b>Offset Calibration Error</b>	±0.1 mA maximum
<b>Accuracy vs. Temperature Error</b>	±100ppm / °C maximum

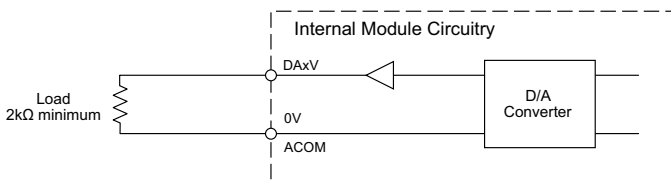
Analog Current Input Circuit



### DA1V - DA2V

Analog Specifications - Voltage Output	
<b>Outputs per Module</b>	2 (voltage/current selectable)
<b>Output Range</b>	0–5 VDC
<b>Resolution</b>	12-bit
<b>Conversion Time</b>	1ms
<b>Load Impedance</b>	2kΩ minimum (output current 2.5 mA maximum)
<b>Full-Scale Calibration Error</b>	±2% maximum
<b>Offset Calibration Error</b>	±25mV maximum
<b>Accuracy vs. Temperature Error</b>	±100ppm / °C maximum

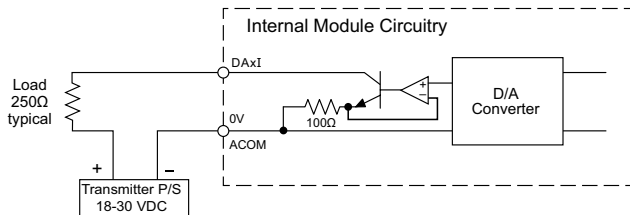
Analog Voltage Output Circuit



### DA1I - DA2I

Analog Specifications - Current Output	
<b>Outputs per Module</b>	2 (voltage/current selectable)
<b>Output Range</b>	4–20 mA (sink)
<b>Resolution</b>	12-bit
<b>Conversion Time</b>	1ms
<b>Loop Supply Voltage</b>	DC 18–30 V
<b>Load Impedance</b>	250Ω Load Power Supply: DC 18V: 600Ω maximum DC 24V: 900Ω maximum DC 30V: 1200Ω maximum
<b>Full-Scale Calibration Error</b>	±2% maximum
<b>Offset Calibration Error</b>	±25mA maximum
<b>Accuracy vs. Temperature Error</b>	±100ppm / °C maximum

Analog Current Output Circuit

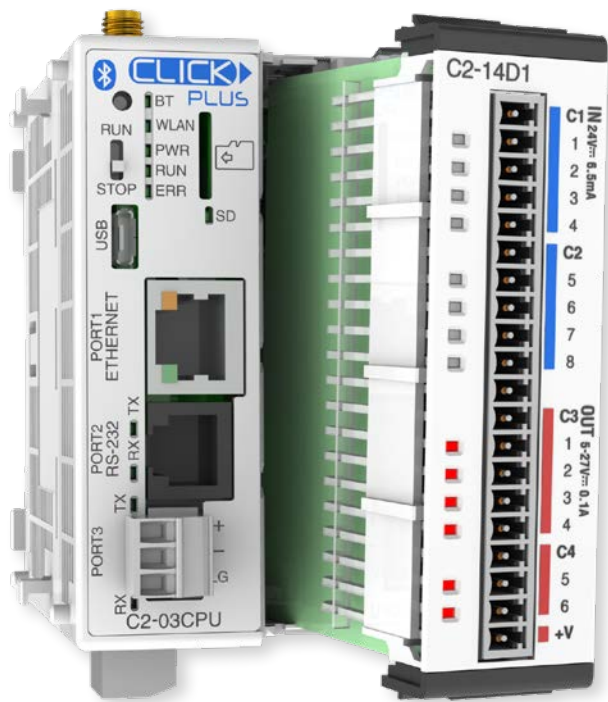


# CLICK PLUS Option Slot Module Specifications

## General Specifications For All CLICK PLUS Option Slot Modules

These general specifications apply to all CLICK PLUS Option Slot Modules. Please refer to the appropriate I/O temperature derating charts under the Option Slot module and Stackable I/O module specifications to determine best operating conditions based on the ambient temperature of your particular application.

Option Slot Module General Specifications	
<b>Operating Temperature</b>	32°F to 131°F (0°C to 55°C)
<b>Storage Temperature</b>	-4°F to 158°F (-20°C to 70°C) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-2 (Test Bb, Dry Heat) 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>Environment</b>	For Indoor Use Only
<b>Vibration</b>	IEC60068-2-6 (Test Fc) 5-9Hz:3.5mm amplitude, 9-150Hz 1.0G 10 sweep cycles per axis on each of 3 mutually perpendicular axes.
<b>Shock</b>	IEC60068-2-27 (Test Ea) 15G peak, 11ms duration, 3 shocks in each direction per axis, on 3 mutually perpendicular axes.
<b>Noise Immunity</b>	<EN61131-2> EN61000-4-2 (ESD) EN61000-4-3 (RFI) EN61000-4-4 (FTB) EN61000-4-6 (Conducted) EN61000-4-8 (Power frequency magnetic field immunity) <Local Test> Impulse Immunity : 1000V @ 1uS pulse
<b>Emissions</b>	EN55011 Class A (Radiated RF emission)
<b>Agency Approvals</b>	UL61010 (File No. E157382, E316037); CE (EN61131-2); CUL Canadian C22.2
<b>Other</b>	RoHS 2011/65/EU Amendment (EU)2015/863



# CLICK PLUS PLC Specifications

## CLICK PLUS PLC Hardware/Software Compatibility

The table below shows the minimum software and hardware versions required for the CLICK PLUS PLCs and Option Slot Modules. The CLICK PLUS PLC can also utilize the CLICK Stackable I/O Modules, as any software and hardware version compatible with CLICK PLUS is also compatible with the CLICK Stackable I/O Modules.

CLICK PLUS PLC Features Software Compatibility					
Device Type	Part Number	Minimum CLICK Software Version			
		Hardware	High-Speed Inputs	EtherNet/IP	PID, DHCP, DNS, SNTP, MQTT
CLICK PLUS CPU	<a href="#">C2-01CPU</a>	v3.00	v3.00	v3.00	v3.00
	<a href="#">C2-02CPU</a>			N/A	
	<a href="#">C2-03CPU</a>			v3.00	
Option Slot I/O Modules	<a href="#">C2-14D1</a>	v3.00	v3.00	N/A	N/A
	<a href="#">C2-14D2</a>				
	<a href="#">C2-14DR</a>				
	<a href="#">C2-14AR</a>		N/A		
	<a href="#">C2-08D1-4VC</a>	v3.00	v3.00	N/A	N/A
	<a href="#">C2-08D2-4VC</a>				
	<a href="#">C2-08DR-4VC</a>				
	<a href="#">C2-08AR-4VC</a>		N/A		
	<a href="#">C2-08D1-6C</a>	v3.00	v3.00	N/A	N/A
	<a href="#">C2-08D2-6C</a>				
	<a href="#">C2-08DR-6C</a>				
	<a href="#">C2-08AR-6C</a>		N/A		
	<a href="#">C2-08D1-6V</a>	v3.00	v3.00	N/A	N/A
	<a href="#">C2-08D2-6V</a>				
	<a href="#">C2-08DR-6V</a>				
<a href="#">C2-08AR-6V</a>		N/A			

# Accessories

## **C2-USER-M**

### **CLICK PLUS PLC Hardware User Manual**

Manual covers all CLICK PLUS PLC and I/O module installation and wiring, specifications, error codes and troubleshooting guide. The CLICK PLUS PLC Hardware User Manual can be downloaded free at the AutomationDirect Web site; [www.automationdirect.com](http://www.automationdirect.com)



## **C0-USER-M**

### **CLICK PLC Hardware User Manual**

Manual covers all CLICK PLC and I/O module installation and wiring, specifications, error codes and troubleshooting guide. The CLICK PLC Hardware User Manual can be downloaded free at the AutomationDirect Web site; [www.automationdirect.com](http://www.automationdirect.com)



## **C0-PGMSW**

### **Programming Software CD-ROM**

The programming software can be downloaded free at the AutomationDirect Web site, or the CD can be purchased from the AutomationDirect online Web store. [www.automationdirect.com](http://www.automationdirect.com)



## **EA-MG-PGM-CBL**

### **PC to Panel Programming Cable Assembly for C-more Micro-Graphic Panels and CLICK/CLICK PLUS PLCs**

The 6ft cable assembly connects a personal computer to any **C-more** Micro-Graphic panel, CLICK PLC, or select CLICK PLUS PLC for setup and programming.

*Note: This cable assembly uses the PC's USB port and converts the signals to serial transmissions. The USB port supplies 5VDC to the Micro-Graphic panel for configuration operations.*

Assembly includes standard USB A-type connector to B-type connector cable, custom converter, and a RS232C cable with RJ12 modular connector on each end.



## **USB-CBL-AMICB6**

### **USB A to USB micro B Programming Cable Assembly (CLICK PLUS Only)**

Programming Cable, USB A to USB micro B, 6ft. (1.83 m) length. For use with CLICK PLUS PLCs and most USB devices. The USB port supplies 5VDC to the CLICK PLUS CPU for programming.



## **D2-DSCBL**

### **Programming Cable for CLICK/CLICK PLUS and DirectLOGIC PLCs**

12ft. (3.66 m) RS232 shielded PC programming cable for CLICK, select CLICK PLUS PLCs, DL05, DL06, DL105, DL205, D3-350, D4-450, D4-454, and Do-more H2 and T1H series CPUs. 9-pin D-shell female connector to an RJ12 6P6C connector.



*Note: If your PC has a USB port but does not have a serial port, you must use programming cable [EA-MG-PGM-CBL](#) to connect to CLICK PLCs. For CLICK PLUS PLCs, you may also use [USB-CBL-AMICB6](#)*

## **C0-3TB**

### **Spare 3-Pole Terminal Block**

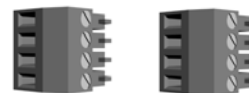
Replacement 3-pole terminal block for the 3-wire RS-485 Port 3 on CLICK Standard and Analog PLCs as well as the CLICK PLUS [C2-03CPU](#). Sold in packs of 2.



## **C0-4TB**

### **Spare 24VDC Power Terminal Block**

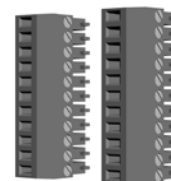
Replacement terminal block for the 24VDC supply power to the PLC. Sold in packs of 2.



## **C0-8TB**

### **Spare 8-Point I/O Terminal Block**

Replacement terminal block for the 8-point I/O modules. Sold in packs of 2.



## **C0-8TB-1**

### **Spare 13-Point I/O Terminal Block**

Replacement terminal block for the 8-point I/O relay modules. Sold in packs of 2.



## **C0-16TB**

### **Spare 16-Point I/O Terminal Block**

Replacement terminal block for the 16-point I/O modules and PLC built-in I/O. Sold in packs of 2.

