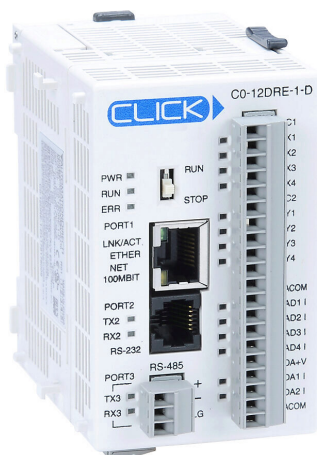


# C0-12DRE-1-D Cut Sheet



CLICK Ethernet Analog PLC, 24 VDC required, Ethernet and serial ports, Discrete Input: 4-point, DC, Analog Input: 4-channel, current, Discrete Output: 4-point, relay, Analog Output: 2-channel, current.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/C0-12DRE-1-D>

## Technical Specifications

<b>Brand</b>	CLICK
<b>Item</b>	PLC
<b>Series</b>	Ethernet Analog
<b>Ladder Memory</b>	8k steps
<b>User Data Memory</b>	16 KB
<b>Programming Language</b>	Ladder
<b>Programming Software</b>	CLICK programming software v2.20 or later and CLICK CPU firmware v2.20 or later
<b>Communication Port and Connection Type(s)</b>	<ul style="list-style-type: none"> <li>• (1) Ethernet 10/100Base-T (RJ45)</li> <li>• (1) RS-232 (RJ12)</li> <li>• (1) RS-485 (3-pin terminal)</li> </ul>
<b>Port Protocol(s)</b>	<ul style="list-style-type: none"> <li>• Modbus TCP Client/Server</li> <li>• Modbus RTU Master/Slave</li> <li>• ASCII In/out</li> <li>• EtherNet/IP explicit messaging adapter</li> <li>• EtherNet/IP implicit messaging adapter</li> <li>• programming and monitoring</li> </ul>
<b>Port Speed(s)</b>	<ul style="list-style-type: none"> <li>• 10/100 Mbps</li> <li>• up to 115.2k baud</li> </ul>
<b>Real Time Clock/Calendar</b>	Yes
<b>Retentive Memory</b>	Yes
<b>Battery Backup</b>	Yes
<b>Maximum Expansion Modules Allowed</b>	8
<b>External Power Requirement</b>	24 VDC
<b>Number of Discrete Input Points</b>	4
<b>Nominal Input Voltage</b>	24 VDC
<b>Voltage Type</b>	DC
<b>Discrete Input Type</b>	Sinking/sourcing
<b>Number of Isolated Discrete Input Commons</b>	1
<b>Number of Points per Discrete Input Common</b>	4

<b>Number of Discrete Output Points</b>	4
<b>Nominal Output Voltage</b>	6-240 VAC/6-27 VDC
<b>Discrete Output Type</b>	Relay
<b>Relay Configuration</b>	(4) Form A (SPST) relays
<b>Load Current</b>	1A/point
<b>Number of Isolated Discrete Output Commons</b>	1
<b>Number of Points per Discrete Output Common</b>	4
<b>Number of Analog Input Channels</b>	4
<b>Analog Input Signal Type</b>	Current
<b>Number of Non-Isolated Analog Input Commons</b>	1
<b>Number of Points per Analog Input Common</b>	4
<b>Input Resolution</b>	12-bit
<b>Input Current Signal Range</b>	0-20 mA
<b>Number of Analog Output Channels</b>	2
<b>Analog Output Signal Type</b>	Current
<b>Number of Non-Isolated Analog Output Commons</b>	1
<b>Number of Points per Analog Output Common</b>	2
<b>Output Resolution</b>	12-bit
<b>Output Current Signal Range</b>	4-20 mA
<b>Maximum Number of PID Loops</b>	8
<b>Number of High-Speed Capable Input Points</b>	4

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<b>High-Speed Counter(s)</b>	<ul style="list-style-type: none"><li>• up to (4) up counters</li><li>• up to (4) down counters</li><li>• up to (2) up/down counters</li><li>• up to (2) pulse/direction (bi-directional) counters</li><li>• up to (2) quadrature (A and B) counters</li><li>• up to (1) quadrature (A and B with Z) counter</li></ul>
<b>Interval Measurement</b>	<ul style="list-style-type: none"><li>• up to (4) single input (edge) timers</li><li>• up to (2) dual input (dual edge) timers</li></ul>
<b>Duration Measurement</b>	up to (4) single input (edge) timers
<b>Frequency Measurement</b>	<ul style="list-style-type: none"><li>• up to (4) single input up counters</li><li>• up to (2) quadrature input (A and B) counters</li></ul>
<b>Interrupt(s)</b>	<ul style="list-style-type: none"><li>• up to (4) input interrupts</li><li>• up to (4) timer interrupts</li></ul>
<b>Table-Driven Input(s)</b>	up to (4) preset tables
<b>Includes</b>	Removable terminal block
<b>Additional Information</b>	Purchase D2-BAT-1 backup battery separately

## Agency Approvals

<b>UL Listed File #</b>	E157382
<b>UL Recognized File #</b>	None
<b>UL Hazardous File #</b>	None
<b>CE</b>	<a href="#">View CE declarations</a>
<b>CSA File #</b>	None
<b>RoHS Status</b>	Yes (See CE Doc)
<b>EU REACH</b>	<a href="#">View EU REACH document</a>