

CC - 1000

Features:

- 32 Bit RISC Processor
- 2-RS232 Ports
- Optional 10/100Base T Port
- Modbus RTU Master/Slave Communications
- Expandable I/O
- Preprogrammed Applications Such As:
 - A. Pump Control
 - B. VFD Pump Control
 - C. Tank RTU
 - D. Valve Control
 - E. RTU Functionally for all applications
- Applications Configurable via User-Friendly Interface
- Integrated Hardware Watchdog Timer



The CC - 1000 is a dedicated application controller with all the power of a custom programmed PLC, in a user-friendly configurable platform. Chase Controls dedicated controllers, are designed and preprogrammed with multiple water and wastewater applications, ranging from simple pump / wet well control to complex water plant filter control, all in a single compact footprint.

This 32-bit controller offers the power and performance required for real-time communications, with short program scan times, as well as a wide range of digital and analog interface options. The controllers industry standard Modbus RTU communications, can be configured as a Modbus RTU Master or Slave, which simplifies integration with any SCADA software, HMI touch screen, and other intelligent instrumentation.

The CC - 1000 provides flexible communication with 2 serial RS232 ports and for applications using Ethernet LAN or WAN, an optional 10/100BaseT Ethernet port is available. For those challenging remote applications, the CC - 1000 supports connection over serial radio, Ethernet radio, cellular radio, and phone lines.

Specifications

Controller

Processor	CPU 32 Bit microcontroller, integrated watchdog timer
Memory	8 MB SRAM, 8 MB Flash ROM
Non Volatile RAM	CMOS RAM w/ lithium battery retains contents for 2 years with no power

I/O

Digital IN	CC - 1000	8-16	90-120VAC, 47-63 Hz
	CC - 1000-D	8-16	12-24VDC, Sink or Source
Digital OUT	CC - 1000	6-14	6-240VAC / 6-27VDC, 2Amp
	CC - 1000-D	6-14	6-240VAC / 6-27VDC, 2Amp
Analog IN	CC - 1000 / -D	4-8	0-20ma, 4-20ma, 0-5V, 0-10V
Analog OUT	CC - 1000 / -D	4-8	0-20ma, 4-20ma, 0-10V

Communications

Integrated Ports	2—RS232 Serial, 6 Pin RJ-12
Baud Rate	Selectable 300-38,400 baud
Serial Protocols	Modbus RTU (Master / Slave)
Optional	10/100BaseT Ethernet, RJ-45
Ethernet Protocols	Modbus TCP/IP

General

Terminals	Removable Terminal Blocks, 16-22AWG, 15Amp Contacts
Dimensions	4.72 in wide X 3.74 in high X 2.56 in deep
Temperature	-4 Deg F to + 158 Deg F
Humidity	5% RH to 95% RH, non-condensing
Vibration	MIL STD 810C, Method 514.2
Shock	MIL STD 810C, Method 516.2
Power	CC - 1000 95-240VAC CC - 1000-D 12-24VDC