



# COOLLOGIC TOUCH™ CONTROL SYSTEM

For Air-Source & Water-Source Modular Chillers

The CoolLogic Touch Control System governs all top-level events, timing and compressor staging, and allows operator interface for all levels of setting and retrieving data. The CoolLogic Touch Control System maintains precise temperature control for cooling, heating, heat recovery, and simultaneous heating and cooling (SHC) applications to dispense the highest building comfort for occupants. A compressor run-time equalization sequence is provided to supply even distribution of compressor run-time throughout the chiller bank. Chiller power consumption is minimized by indexing the most efficient stages of cooling, optimizing the heat-transfer surface.

## The CoolLogic Touch Advantage

### Bank Control Panel Features

- NEMA Type 1 enclosure (24.81" x 30.00" x 11.22")
- 10-inch color-touchscreen operator interface
- 120/24V control power supply w/surge protection
- 120V convenience receptacle
- Three-position selector switch: Local, Off, Remote
- Simple Ethernet connection from control panel to each module

### Application Flexibility

- Water-Source or Air-Source
- Heating, cooling-only or simultaneous heating and cooling (SHC)
- High temperature
- Heat recovery
- Reverse-cycle heat pump

### Color Touchscreen Operator Interface

- User friendly with conveniently grouped menuing system
- Provides access to critical information:
  - Active temperatures
  - Chiller scheduling
  - Set points
  - Servicing
  - Alarm conditions
  - Operation modes
  - Diagnostics
  - Pressures



Scan for  
Install Manual

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## Specifications

### Bank Controller

- 10/100/1000 Base-T Ethernet Port for BACnet or Modbus communication, includes DHCP addressing
- Rotary-configurable EIA-485 Port for BACnet MS/TP or Modbus (primarily for BAS connection)
- Firmware configurable EIA-485 Port for BACnet MS/TP or Modbus (primarily for communicating-device connection)
- Incoming-power & network-connection protection
- BACnet conformance as defined in ANSI/ASHRAE Standard 135-2004
- 16 MB non-volatile RAM memory
- Up to 44 input/output points
- Real-time clock

### Module Controller

- 32 bit microprocessor
- 16 GB flash memory
- 512 MB battery-backed RAM
- Up to 64 input/output points
- Built-in protocol support
- Surge- and transient-protection circuitry for power and communications

### Standard Alarm Status Indicators

- Up to 100 occurrences stored with date and time, available for recall through the CoolLogic Touch Control System
- Loss of flow through the evaporator or condenser
- Compressor thermal protector fault
- High- and low-pressure cutout
- Communication error
- Temperature:
  - Low suction
  - Low leaving chilled water
  - High discharge
  - High leaving condenser water

## Contact your local ClimaCool Representative

or visit [www.climacoolcorp.com](http://www.climacoolcorp.com) to learn more about the CoolLogic Touch Control System and other heating & cooling solutions to fit your application needs.



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