



YORK®

Direct Expansion Chiller Remote Control Center

**Control your outdoor chiller from
a comfortable indoor location**



The York Remote Chiller Control Center provides complete information and total control from the convenience of your office or other remote location.

Remote Chiller Control Center puts powerful control functions in easy reach

Until now, to access your outdoor chiller's control panel meant taking a long trip to your roof. But with the York Millennium Remote Control Center, you can access complete information and exercise total control on all operating functions simply from your office. Valuable operator time is freed up for other important activities.

Now enjoy inside information

The indoor Remote Chiller Control Center (RCC) gives you data previously obtainable only from the chiller outdoor control panel. From a convenient inside location, the RCC provides the industry's most detailed display, with over 100 important readouts including: system status, fault shutdown, scheduling and component status.

Plus, you get valuable indicators of developing symptoms, such as motor current, oil pressure and temperature, suction pressure and temperature, discharge pressure and temperature, saturated suction and discharge

temperatures, suction superheat, slide valve percent, water temperatures, and much more. Immediate, comprehensive information provides plenty of time to take corrective measures before any undue downtime or expense has occurred.

Convenient and complete control capabilities

Just push a button on your RCC and chiller functions can be easily programmed from your remote location.

A soft-touch keypad, divided into distinct color-coded groups according to function, provides easy access to all chiller control and monitoring functions. Essential programmable setpoints include: leaving chilled liquid temperature, electrical demand limit, daily start/stop schedule, and system control range for optimum stability, plus numerous other program values.

If a problem should arise, you'll quickly see that a fault has occurred. By entering a simple command, the problem is identified and displayed. Operating conditions that existed at the instant of shutdown can be recalled to help isolate the problem's cause. Operating history is also easily accessed by pressing a single dedicated button. Valuable system data are retained for the last six shutdowns for precise troubleshooting.

Easy to see, easy to read

You'll never have to worry about interpreting special reference codes or struggle to read imprecise gauge increments. Messages are displayed on an easy-to-read, two-line, twenty-character-per-line display. Numeric data are available in a choice of metric or English units. Dedicated Status and Display buttons allow fast scrolling through data and messages.

The comprehensive monitoring capabilities of the RCC dramatically simplify log reading and recording. By directly connecting an optional printer, you can generate "hard copy" reports at the touch of a dedicated print button. A clear, concise printout is ready in seconds for on-the-spot analysis and improved long-term record keeping. Printouts also reduce the man-hours needed for manual data entries, as well as safeguard against errors.



YCAL/YCUL



YCAS/YCAR

Remote Chiller Control Center

Functions

The Remote Chiller Control Center (RCC) provides the same full functionality found on the U.L.- and C.U.L.-listed York Air-Cooled Chiller's Millennium™ Control Center. It is also the same advanced technology that has been applied to York reciprocating chillers for years. The latest Millennium RCC offers the following distinct advantages:

- communicates with an outdoor air-cooled chiller from an indoor location
- displays all operational and historical data
- provides key programmable unit options from the RCC, including setpoint, scheduling, and load limiting
- features remote-chiller start and stop with the push of a button

Size/Installation

- Size: 8"X10"X3"
- Enclosure: NEMA 1 painted steel case with durable vinyl keypad for indoor use only
- Mount: Bolted-wall mount
- Power Requirements: standard 110 volt wall outlet
- Communications: Twisted-wire pair from chiller to RCC (via user-provided serial cable from the RCC to the chiller)
- Range: 4000 ft.

Display

- Type: Backlit LCD
- Format: 2 lines, 20 characters per line
- Readouts: English or Metric

Data Displayed

- Return and leaving chilled liquid temperature
- Ambient air temperature
- Each system: pressure for oil, suction and discharge
- Each system: suction, discharge, oil, superheat, suction superheat, saturated suction and saturated discharge temperature
- Each system: slide valve position
- Each system: amps, % FLA (AVG, L1, L2, and L3)
- ISN or EMS current limiting
- Each compressor: operating hours and start counter

Status Display

- Unit switch position
- Daily shutdown
- No run permissive
- No cooling load
- Compressor running
- Anti-recycle timer
- Anti-coincident timer
- Current limiting
- Discharge limiting
- Suction limiting
- EMS limiting
- System switch position
- Manual override
- Remote controlled shutdown

Additional Status Displays

- Evaporator water pump
- Evaporator heater
- Compressor run time (days, hours, minutes, seconds)
- System liquid line solenoid valves
- Fan stage for each system
- Compressor heater
- Economizer solenoid
- Optional compressor starting

Fault Displays

- Low water temperature
- Low current/motor protector/high pressure cut-out
- High motor current
- Low suction
- High oil differential
- High discharge pressure
- High oil temperature
- High discharge temperature
- VAC undervoltage
- Low ambient temperature
- High ambient temperature
- Low evaporator temperature
- Low oil pressure
- Low battery

