Having Trouble Keeping Track of Remote Outdoor Chillers?

OptiView™ Control Panel

YORK®

YORK Makes It Easy to Control Remote Outdoor Chillers

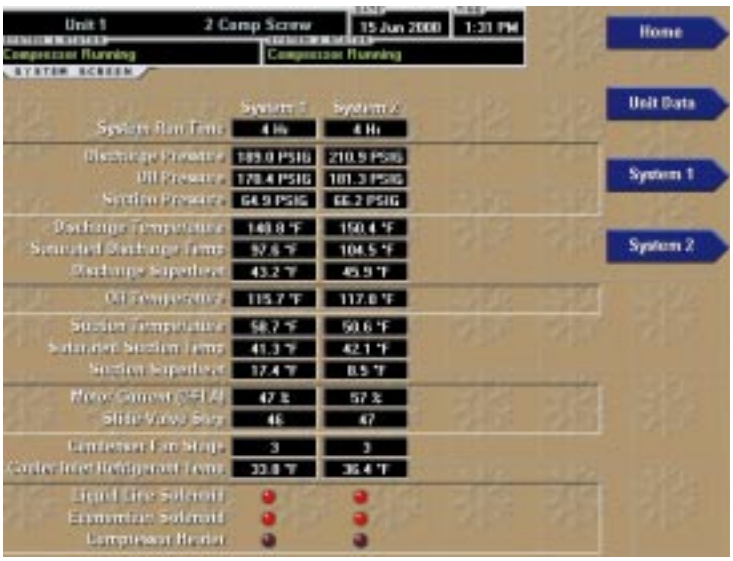
It's hard to control what you can't see

- Gathering operating data from distant chillers is difficult
- Getting immediate feedback on chiller status is impossible
- Slow response leads to minor problems becoming major

The solution is to find a way to gather operating data from remote chillers quickly and cost-effectively — YORK found it!

Watch your remote chillers closely — from your office

- Expand your vision with the OptiView Control Panel available for YORK outdoor chillers



System Screen shows unit's detailed operating parameters

- Look confident with proven OptiView control technology — the standard on YORK centrifugal chillers since 1998
- Place the OptiView Panel in a convenient location you choose — up to ½-mile from the farthest chiller

Get a clearer view with a superior panel

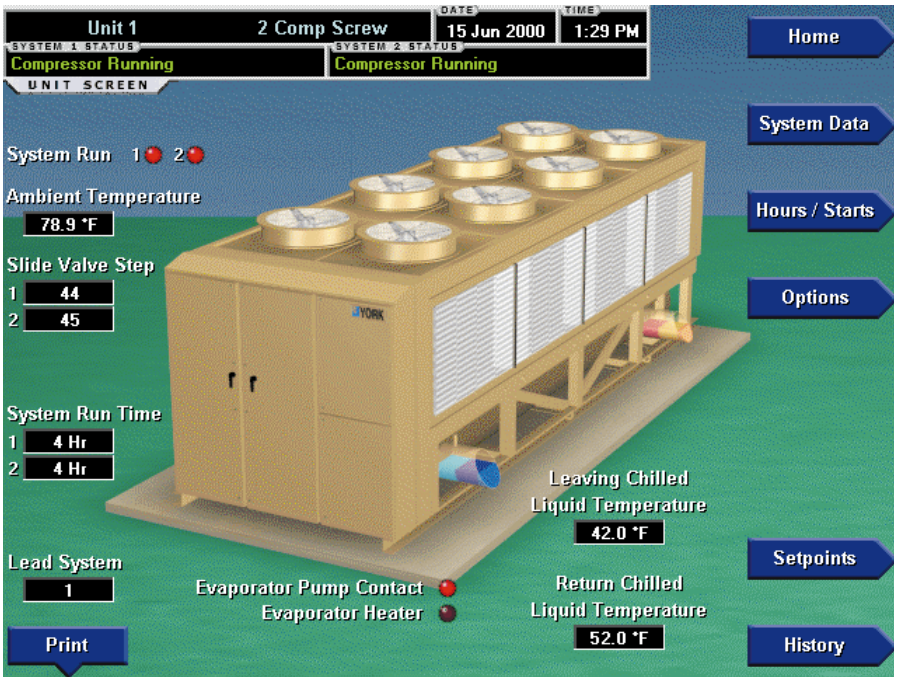
- Animated, color, OptiView graphics use a backlit, active-matrix screen
- Up to twenty screens per chiller present detailed information on:

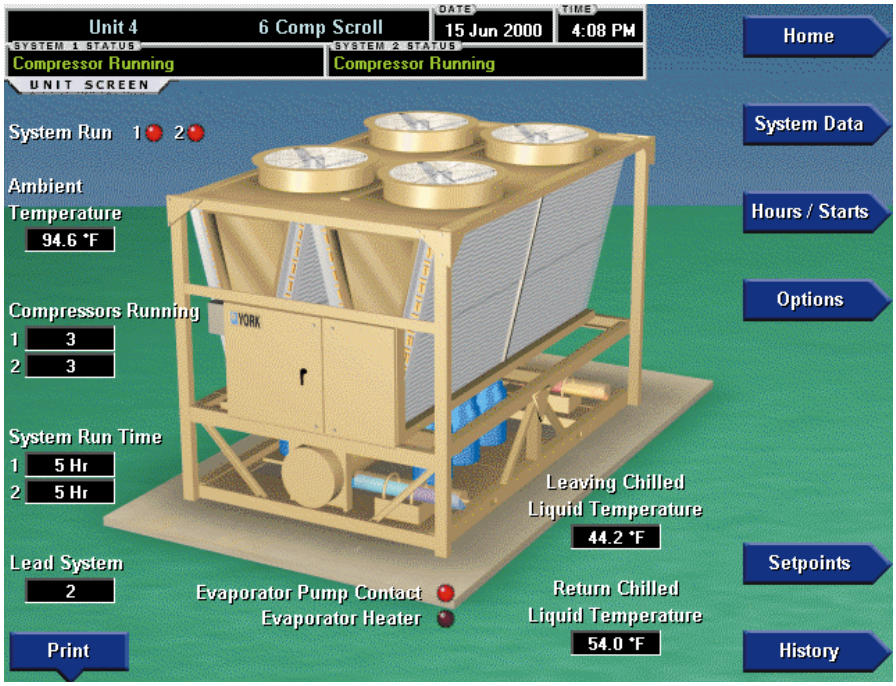
  Temperatures: such as leaving and return chilled liquid, discharge, saturated discharge, discharge superheat, suction, saturated suction, suction superheat, oil, and ambient

  Pressures: discharge, oil, low differential oil, high differential oil, and suction

  Other: % motor current, operating hours, and number of starts
- Plain-language display uses words and sentences in many available languages: English, Spanish, German, French, or Italian, along with Imperial or SI units
- Screen navigation is fast and fool-proof, thanks to a one-touch display

Unit Screens show general operating information for each chiller





Superior Information Access Enables Optimum Chiller Performance

Get the data you need — when, where, how, and why you need it

When: Access information instantly instead of taking hours to collect data from multiple remote chillers.

Where: Full data logs can be printed on a printer in your office. You can even have it done automatically at the time interval you choose.

How: Get detailed data that simply wasn't available before — such as suction and discharge temperatures — plus, see performance parameters over time via trend graphs.

Why: Exercise better control over your chillers to reach optimum performance.

Training and troubleshooting are faster than ever

- Equipment operators learn quickly because of self-evident presentation of data
- Close proximity of controls makes it easier to notice alarm conditions for faster troubleshooting and problem-solving

Greater convenience lets you stay in greater control

- Prevent energy waste by using weekly/holiday scheduling to avoid needless chiller operation
- Get quicker access to information for faster response, to ensure optimum chiller performance and energy savings

Optimize your chiller's performance with the aid of trend graphs, which will give you a historical view of your chiller's parameters. Up to six different values can be displayed

Monitor Up to Eight Chillers on a Single OptiView Panel

Stretch your control dollars by controlling more chillers

- Possibly avoid a costly Building Automation System with the OptiView Panel's built-in monitoring and control capabilities
- Network up to eight chillers using common shielded Category-3 cabling and 115V wiring
- Communicate with multiple remote chillers through the YORK MicroGateway, which is compatible with YORK ISN, BACnet, METASYS, and other common protocols

Individual control: chiller-by-chiller

- Use one OptiView Panel to program setpoints for each chiller
- Set individualized weekly/holiday scheduling for each chiller
- Display up to six shutdown histories per chiller; look at all the histories for a total system overview

To see more on OptiView control, performance, and convenience – just call your local YORK office, or visit www.york.com

View the status of up to eight chillers on the Optiview Panel's Home Screen

Features

The OptiView™ Remote Control Panel provides the same full functionality found on cUL and CE listed YORK control panels for air-cooled chillers and condensing units. It is also the same advanced technology that has been applied to the OptiView Control Panel for Centrifugal and Screw Water-cooled chillers. The latest Optiview Remote Control Panel offers the following distinct advantages:

- Communicates with up to eight (8) air-cooled units from an indoor location
- Units can be of varying capacities and compressor types (scrolls, screws and recips)
- Graphically displays all operational and historical data
- Provides indoor control of unit setpoints and scheduling
- OptiView panels are cUL listed and CE Marked

Applicable Models

The OptiView Remote Control Panel can be used with any combination of these YORK Products (50 and 60Hz)

- YCAL 10-80 ton scroll chillers
- YCUL 10-90 ton scroll condensing units
- YCAS 80-400 ton style F screw chillers
- YCAR 100-230 ton recip chillers
- Contact your nearest YORK office for additional product compatibility

Size/Installation

- **Size:** 13"W X 8"H X 4"D; Approximate 20 lbs.
- **Enclosure:** NEMA 1 powder coated painted steel case (Black) with durable vinyl keypad for indoor use only
- **Mount:** Bolted-wall mount
- **Power Requirement:** Standard 100-250 VAC, 50/60Hz single phase to power terminal block
- **Communications Requirement:** Shielded three-conductor communications cable (20 AWG rated at 300V min) daisy-chained from multiple chillers to one input in OptiView Panel
- **Communication Range:** Cable length should not exceed 4000 ft.
- **Lan Transient Protection:** Protection module recommended for RS485 driver protection against over-voltage

Display/Keypad

- **Display:** Large, active-matrix screen provides full color, animated graphics
- **"Soft" Keys:** Provide simple one-touch navigation, revealing varying array of information on each screen
- **Numerical Keypad:** Allows easy entry of numerical data for setpoints, limits and scheduling
- **Readouts:** SI or Imperial units
- **Languages:** English as standard with optional Spanish, French, German and Italian displays

Data Displayed

The OptiView Control Panel is capable of presenting several views of information. Such views or "screens" include:

- **Home Screen:** General overview of the operating status of each unit connected to the panel. Chiller type, chiller status, leaving chilled liquid temperature and ambient temperature is displayed. From the Home Screen individual unit data or panel setup features are one touch away
- **Unit Data Screen:** Unit specific information including compressor status, leaving and return chilled liquid temperatures, system run time, lead system definition and evaporator status data available
- **Unit System Data Screen:** From the Unit Screen, individual system data can be selected. Applicable unit system data includes system status, system run, discharge/suction/oil pressures and temperatures, superheat, % motor current, condenser fan stage, heater status, liquid line status and economizer status to name a few.
- **Unit Hours/Starts Screen:** Individual unit compressor or system operating hours and number of starts can be retrieved
- **Unit Options Screen:** Display of options programmed on individual unit, for example, units of measure display, refrigerant type, chilled liquid type, language display mode, ambient control staging mode, lead/lag control and chiller software version are available
- **Unit Setpoints Screen:** Allows user programming of chiller setpoints such as leaving liquid temperature and control range, load limit setpoint, daily/holiday schedule start and stop time
- **Unit History Screen:** Allows the user to browse through unit faults and provides access to History Details Sub-Screen that details chiller parameter values at time of fault shutdown
- **Print Screens:** Available on various screens to print pertinent data, setpoints or history information
- **OptiView Panel Setup Screen:** General configuration parameters for the OptiView Panel including clock, date, time, etc

Print-Out Capability

The OptiView Control Panel includes an RS 232 Serial outlet port for connection to a Weigh-Tronix, Okidata or Seiko printer. With optional printer, OptiView Control Panel is capable of manual or automatic printer logging including:

- Status reports indicating current system parameters
- Setpoints reports indicating current system setpoints
- Schedule report indicating current system schedule times

YORK®

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