

CHILLERVISOR System Manager III (CSM III)

The CHILLERVISOR System Manager III (part number CEPL130322) controller is a key component of the Carrier Comfort Network (CCN) CHILLERVISOR System. It provides sophisticated multiple chiller control functions to optimize the efficiency of your Carrier chiller plant.

A CSM III coordinates the operation of a chilled water system in which up to eight chillers feed a common chilled water loop. A CSM III-controlled system can presently include the following Carrier chillers:

- 19XR, 19XL, 17/19 EX, and 17TS centrifugal
- 23XL screw type
- 30 GX/HX screw type
- Flotronic II reciprocating (Phase 3 only)
- ProDialog II reciprocating
- 32MP Gateway-equipped single compressor or dual compressor centrifugal

The CSM III consists of a module equipped with input and output points and specialized control and communication software. An optional module can support backup sensors and other optional inputs. It may be installed in a standard NEMA Type 1 enclosure or equivalent.

The CSM III's control functions include the following:

- Automatic chiller start/stop
- Two seasonal chiller start/stop sequencing modes with add/drop capability
- Designated standby chiller support
- Occupancy-based plant operation with configurable override
- Soft loading
- Load balancing
- Bypass valve control
- Chilled water setpoint reset
- Loadshed demand limiting
- Chiller fault handling and capacity matching
- System alarm messages and alarm history
- Short- and long-term power failure recovery

The CSM III operator interface can be any PC-based CCN user interface. After adding and uploading the CSM's configuration data, an operator can:



- display a list of CSM III points that show the status of the chiller system
- modify the value or status of selected points and then return them to automatic control
- display and modify configuration and service data
- display maintenance data
- display chiller system graphics

CCN PRODUCTS AVAILABLE FOR ADDITIONAL FUNCTIONALITY

Additional capabilities can be obtained by combining the CSM III with the following CCN products:

- Autodial Gateway
- TeLINK
- Data Collection Option
- Comfort Controller
- Water System Manager (WSM)
- Loadshed Option
- Alarm Printer Interface Module (APIM)
- NDS/Bridge



PRODUCT DATA

BASE AND OPTIONAL MODULE SPECIFICATIONS

Power Requirements	50 VA @ 24 Vac \pm 15%
Dimensions	13 in H X 2.75 in W X 5.5 in D 33 cm H X 7 cm W X 14 cm D
Operating Temperature	32°F - 140°F 0°C - 60°C
Storage Temperature	-40°F - 185°F -40°C - 85°C
Operating Humidity	0 - 90%, non-condensing

Conforms to guidelines for radiated and conducted emissions for a Class A device as stated in FCC Rules and Regulations Part 15, Subpart J.

UL 916PAZX, VDE, CSA, and CE Mark listed.