

iWorx[®]
by Taco Electronic Solutions

CHB2

Controller



**Web-based building
management made easy**

CHB2 CONTROLLER

Feature	Benefit
Two stages of heating and two stages of cooling with selectable stage modulating.	Multiple stages of heating and cooling with selectable modulation allows for great flexibility reducing overall system cost.
Winter and Summer Modes	Self-configured automatic changeover from/to winter or summer allows for seamless transition from heating or cooling seasons.
P+I algorithm for injection/mixing control with separate reset curves for heat and cool supply water. P+I algorithm for modulated control of heating and cooling valves and circulators.	Advanced algorithm control with separate reset curves allows for accurate temperature control reducing energy cost.
Optional Dew Point Control / Dehumidification Signal In conjunction with a humidity sensor; calculates when a dew point condition exist then increases Supply Water Temperature and signals a dehumidification demand to another iWorx controller.	Eliminates dew point conditions
Three Speed Fan for local or global control	Supports multiple fan types, applications and control sequences. Variable speed allows for decreased energy consumption.
Energy Monitoring	Instantaneous Flow and Energy Rates simplify installation. Monitors daily and total energy consumption in BTU's and GPM. Logged 31 days to allow verification of energy demands and provide comparative data.
Digital or Analog IAQ detection	Variety of IAQ sensors can be used to monitor indoor air quality.

CHB2 CONTROLLER

Feature	Benefit
Associates with BLM, CCU and HPM series controllers	Directly communicates with BLM and CCU iWorx controllers for additional system flexibility.
Associates with VAVI	Communicates SpaceTemp, Setpoint and IAQAlarm to VAVI and treats VAVI as "additional" stage. VAVI can provide room pressurization and IAQAlarm response
Commissioning Mode	Facilitates troubleshooting and saves valuable service time and labor expense.
Alarms: Thermostat Maintenance IAQ Temperature	Multiple alarming types monitor the thermostat, runtimes, temperatures, and air quality ensuring proper system operation and protection from potentially costly damage to capital equipment during emergencies.
Data Logging	Provides runtime accumulations for the heating, cooling and fan equipment. Allows service schedules to be based on actual runtime operation. Extends equipment life and eliminates needless service calls.
Accessible network inputs	Allows Supervisor to overwrite physical outputs

Feature	Benefit
Automatic Configuration	<p>One touch commissioning automatically places controller on the network.</p> <p>Ensures that controller has been properly installed and wired correctly.</p>
Networks to higher level devices	<p>Flow and energy data can be downloaded in xml format compatible with a number of analytical and reporting tools.</p>
Local Backup Schedule	<p>Maintains programmed schedule in the event the LCI becomes unavailable,</p>



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