



Zone Control Panels

The Original "Boiler Room in a Box"

CMB

Prefabricated Zone Control Panel. Designed for use with high efficiency condensing /or modulating boilers.

Application

Capable of delivering 100 MBH, the CMB panel was designed specifically to work in conjunction with today's condensing and or modulating boilers in hydronic heating systems. The CMB bridges the gap between the heat source and the heat emitters, interfacing with the system operating controls that are integral to these high efficiency boilers.

Function

The CMB is available with your choice of 3, 4, or 5 low temperature zones. Each zone circuit can supply a remote manifold with up to five loops. Flow to each zone is controlled by a slow-acting zone valve which eliminates the water hammer effect commonly experienced with quick acting valves. Each zone is energized by a factory supplied thermostat.

In addition to the main system circulator a second circulator is supplied to control the flow to an indirect water heater. This circulator is set up to work with the boilers' DHW priority system.

The CMB is equipped with a terminal strip that is pre-wired to accept input signals from thermostats and a DHW aquastat.

The terminal strip also provides connections for a heat or DHW signal to the boiler.

The CMB is equipped with an air eliminator and comes with a fill valve and an expansion tank connection.

Options

Each panel can be supplied with a combination of standard zone valves (2.5 gpm) or high capacity zone valves (3.5 gpm). Refer to the following chart for allowable combinations. Total flow must not exceed panel capacity of 10 gpm.

3 ZONES low/high	3/0	2/1	0/3
4 ZONES low/high	4/0	3/1	2/2
5 ZONES low/high	5/0	4/1	

Construction

All CMB's components are in a wall mounted panel housed in a powder-coated enclosure. All components within the panel are selected to optimize their interrelated quality and functionality.

Every CMB is leak-tested under water pressure prior to leaving the factory. All components and wiring in control circuit are thoroughly inspected and



function tested. Each panel is ETL listed and complies with the requirements of CAN/CSA-C22.2

FEATURES AND BENEFITS

- **Pre-Engineered**
All ZCP products are designed in accordance with accepted engineering practices and industry standard hydronic principles to provide efficient and reliable operation
- **Pre-Assembled and Tested**
Factory assembled using equipment specially designed for accuracy and uniformity.
- **Pre-Wired to Simplify Installation**
All controls are pre-wired and function tested to simplify installation. Line voltage to the panels is delivered by a standard 15 amp receptacle and a factory wired cord with plug.
- **Compact, Packaged**
Fill valve, air elimination, and expansion tank connections (supplied with the CMB) minimize the need for additional field piping.
- **Modern Enclosure**
The factory-supplied, powder-coated enclosure provides protection from hot pipes and electrical controls, and discourages tampering.
- **Approvals**
The ETL listing confirms compliance with CAN/CSA-C22.2 No.14 & UL508, and provides assurance that relevant safety standards have been met.