

MULTIPLE BOILER CONTROL

MBC AMB4BUB



STAGING CONTROL

**Ideal for multiple boiler
system applications**

The MBC Boiler Control operates up to four boilers to provide outdoor reset operation, domestic hot water and setpoint operation with priority.

CONTROL FEATURES

- Operation of up to Four Boilers
- LCD Display
- Push Buttons for Navigating Settings
- Warm Weather Shutdown (WWSD)
- Set Back Scheduling
- Boiler Stage Delay
- Boiler Rotation
- Combustion or Alarm Control Relay
- Flow or Combustion Air Proof Delay
- Energy Management System Compatible (0-10 or 2-10 Vdc)
- Sensors Included:
 - (1) Outdoor Sensor
 - (2) Water Temperature Sensors



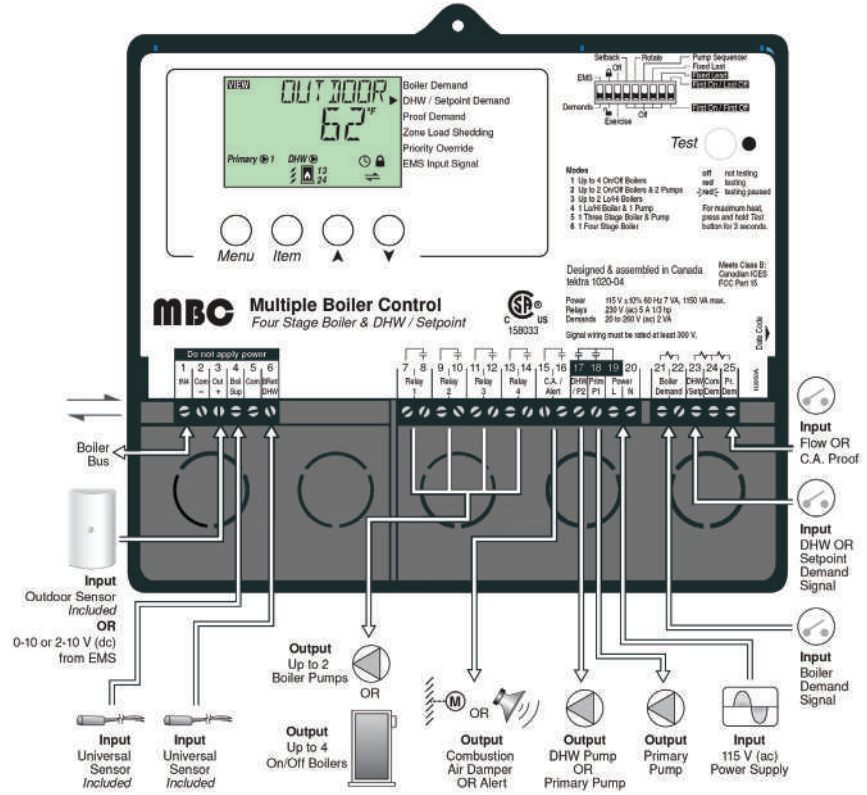
Shown with UCS 240

PRODUCT SPECIFICATIONS



The Utica Boilers Multiple Boiler Control (MBC) operates up to four boilers and resets the heating system water temperature based on outdoor air temperatures. Utica boilers are piped in primary/secondary arrangement and the MBC control automatically selects how many boilers are needed to maintain the required heating load. Selecting multiple boilers maximizes your energy savings and provides backup heating capabilities.

- Up to 4 On/Off Boilers
- Up to 2 On/Off Boilers & 2 Pumps
- Up to 2 Lo/Hi Boilers



CONTROL OUTPUTS

| | |
|--------------------------------|----------------------|
| Boiler 1-4 Output Relay Rating | 230 Vac, 5 A, 1/3 hp |
| DHW or Primary Pump Relay | 230 Vac, 5 A, 1/3 hp |
| Primary Pump Relay | 230 Vac, 5 A, 1/3 hp |

CONTROL INPUTS

| | |
|---|-------------------------|
| Outdoor Sensor | NTC 10 k, @ 77°F (25°C) |
| Boiler Supply Sensor | NTC 10 k, @ 77°F (25°C) |
| Boiler Return Sensor | NTC 10 k, @ 77°F (25°C) |
| Boiler Heating Demand Input Signal | 20 to 260 Vac |
| DHW or Setpoint Demand Input Signal | 20 to 260 Vac |
| Flow Proof or Combustion Air Demand Input | 20 to 260 Vac |

ELECTRICAL SPECIFICATIONS

| | |
|---|--|
| Ambient conditions | Indoor use only. 32-104°F (0 to 40°C) |
| Power Supply | 115 Vac, +/- 10%, 60 Hz, 1 ph, 1150 VA Max |
| Boiler control and Pump Relay (Volt free) | 230 Vac 5 A 1/3 hp |
| Demands (Input) | 20-260 Vac |
| Sensors | NTC Thermistor 10 k @ 77°F (25°C), β |
| Combustion Air/Alarm relay output (Volt free) | 230 Vac 5 A 1/3 hp |



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All specifications subject to change without notice.
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