

## MBC

### MULTIPLE BOILER CONTROL

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



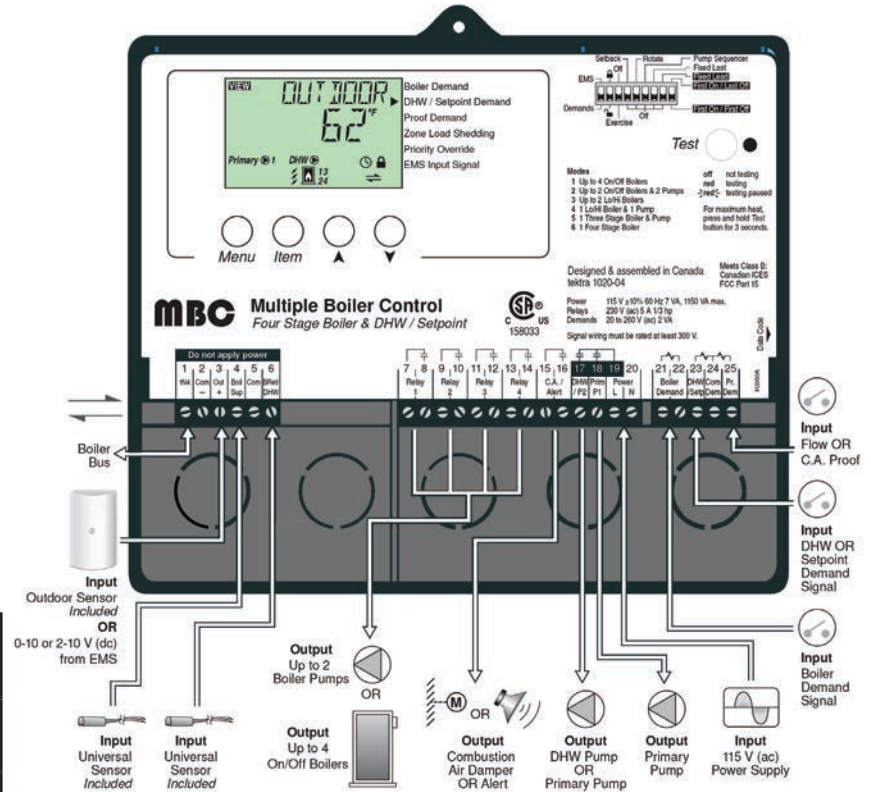
Ideal for multiple boiler  
system applications

### 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

The Dunkirk Multiple Boiler Control (MBC) operates up to four boilers and resets the heating system water temperature based on outdoor air temperatures. Dunkirk 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



**MBC | AMB4BDK**

### 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), B
Combustion Air/Alarm relay output (Volt free)	230 Vac 5 A 1/3 hp