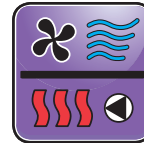


# tekmar® Submittal

## Boiler Control 260



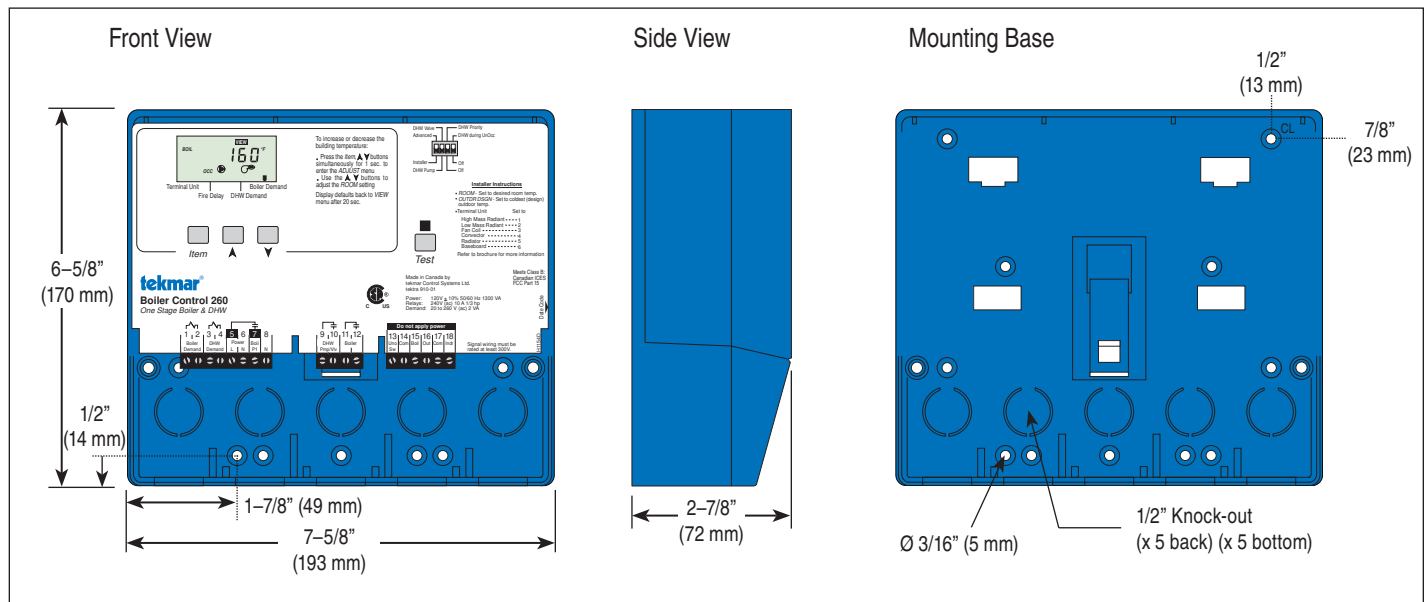
**C 260**

01/11

HVAC Systems Replaces: New

Job \_\_\_\_\_ Designer \_\_\_\_\_ Contact \_\_\_\_\_

The Boiler Control 260 is designed to operate a single boiler using outdoor reset. It can be used in applications ranging from baseboard or mixed radiant heating systems, to combination space heating and domestic hot water heating installations. This control regulates a single heating water temperature through outdoor reset and/or Domestic Hot Water control. It is capable of controlling a single on/off boiler and can receive both space heating and/or DHW heat demands.



### Specifications

<b>Boiler Control 260 One Stage Boiler &amp; DHW</b>	
Literature	D260, A260, D001, D070
Control	Microprocessor control. This is not a safety (limit) control
Packaged weight	3.0 lb. (1340 g)
Dimensions	6-5/8" H x 7-9/16" W x 2-13/16" D (170 x 193 x 72 mm)
Enclosure	Blue PVC plastic, NEMA type 1
Approvals	CSA C US, meets class B: ICES & FCC Part 15
Ambient conditions	Indoor use only, 32 to 113°F (0 to 45°C), RH ≤90% Non-condensing
Power supply	120 V (ac) ±10%, 50/60 Hz, 1300 VA
Relays	240 V (ac) 10 A, 1/3 hp
Demands	20 to 260 V (ac) 2 VA
Sensors	NTC thermistor, 10 kΩ @ 77°F (25°C ±0.2°C) β=3892
-Included	Outdoor Sensor 070 and Universal Sensor 082
-Optional	tekmar type #: 033, 076, 077, 084
Warranty	Limited 3 Year (See D260 for full warranty)

### Energy Saving Features

- Outdoor Temperature Reset
- Indoor Temperature Feedback (optional)
- Setback input for energy savings
- Warm Weather Shut Down
- Automatic Boiler Differential

### Additional Features

- Quick setup for easy installation and programming of control
- User comfort adjustment to increase or decrease building space temperature
- Advanced settings to fine-tune building requirements
- Pump and valve exercising
- Powered boiler pump output
- DHW pump or valve operation
- Optional DHW priority
- Test sequence to ensure proper component operation
- 120 V (ac) power supply

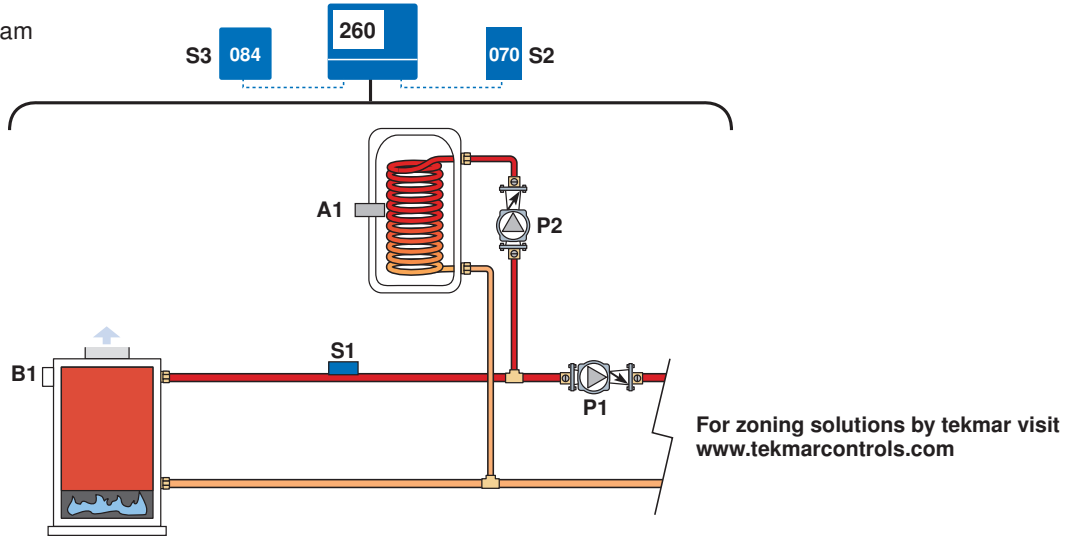
### SPECIAL REQUIREMENTS

N / A

# Sample Application Drawing

Below is a sample application drawing for this product. This application may include other tekmar products that are required for installation. More sample applications can be found at [www.tekmarcontrols.com](http://www.tekmarcontrols.com).

Sample Mechanical diagram

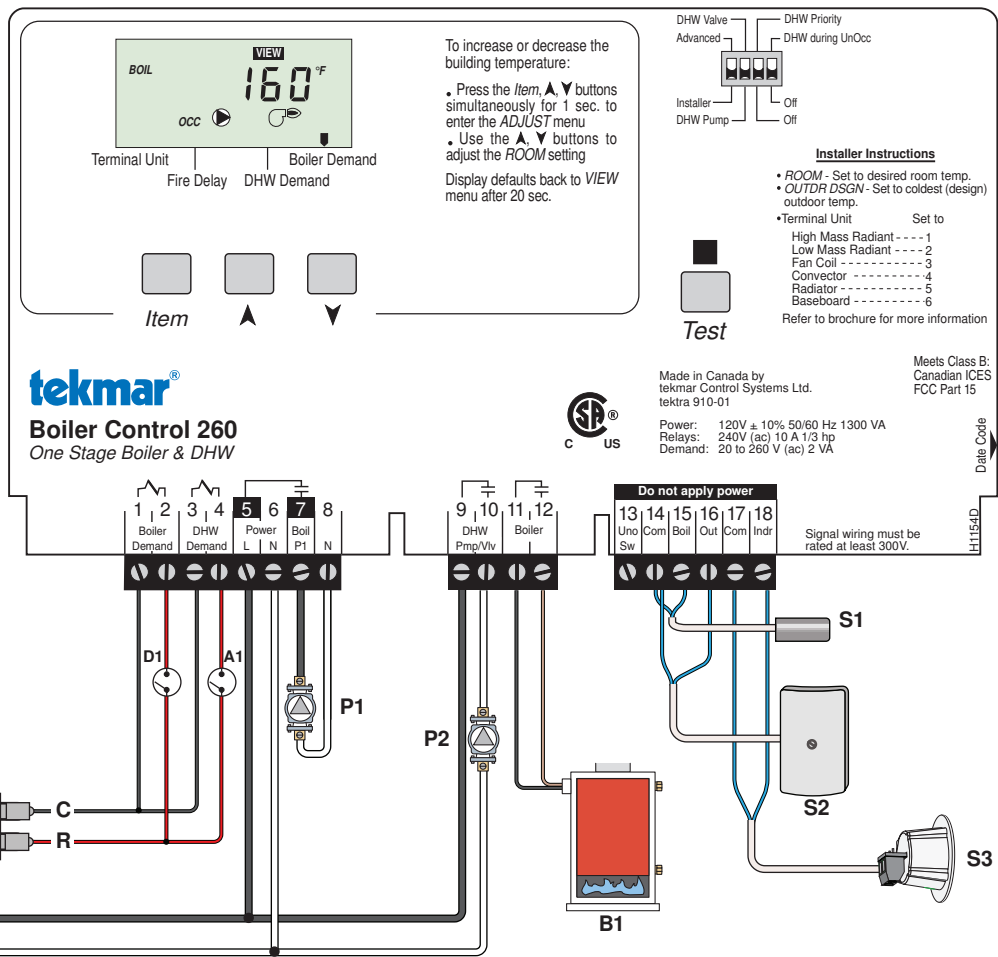


For zoning solutions by tekmar visit [www.tekmarcontrols.com](http://www.tekmarcontrols.com)

Sample Electrical diagram

**Legend:**

- S1 = Boiler Supply Sensor 082
- S2 = Outdoor Sensor 070
- S3 = Hidden Indoor Sensor 084
- P1 = System pump
- P2 = DHW Pump
- B1 = Boiler 1
- D1 = Boiler demand (thermostat or end switch)
- A1 = DHW Aquastat



Terminal Unit | Boiler Demand

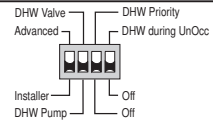
Fire Delay | DHW Demand

Item | ▲ | ▼

To increase or decrease the building temperature:

- Press the *Item*, ▲, ▼ buttons simultaneously for 1 sec. to enter the *ADJUST* menu
- Use the ▲, ▼ buttons to adjust the *ROOM* setting

Display defaults back to *VIEW* menu after 20 sec.



- Installer Instructions**
- *ROOM* - Set to desired room temp.
  - *OUTDR DSGN* - Set to coldest (design) outdoor temp.
  - Terminal Unit Set to
    - High Mass Radiant ---- 1
    - Low Mass Radiant ---- 2
    - Fan Coil ---- 3
    - Convactor ---- 4
    - Radiator ---- 5
    - Baseboard ---- 6
- Refer to brochure for more information

**tekmar®**  
**Boiler Control 260**  
One Stage Boiler & DHW

Made in Canada by tekmar Control Systems Ltd.  
tektra 910-01

Meets Class B: Canadian ICES FCC Part 15

Power: 120V ± 10% 50/60 Hz 1300 VA  
Relays: 240V (ac) 10 A 1/3 hp  
Demand: 20 to 260 V (ac) 2 VA



Date Code

HI15xLD

Signal wiring must be rated at least 300V.



tekmar Control Systems Ltd., Canada, tekmar Control Systems, Inc., U.S.A. **Head Office: 5100 Silver Star Road, Vernon, B.C. Canada V1B 3K4, 250-545-7749, Fax. 250-545-0650 Web Site: [www.tekmarcontrols.com](http://www.tekmarcontrols.com)**

