

# tekmar® Submittal

## Boiler Control 256



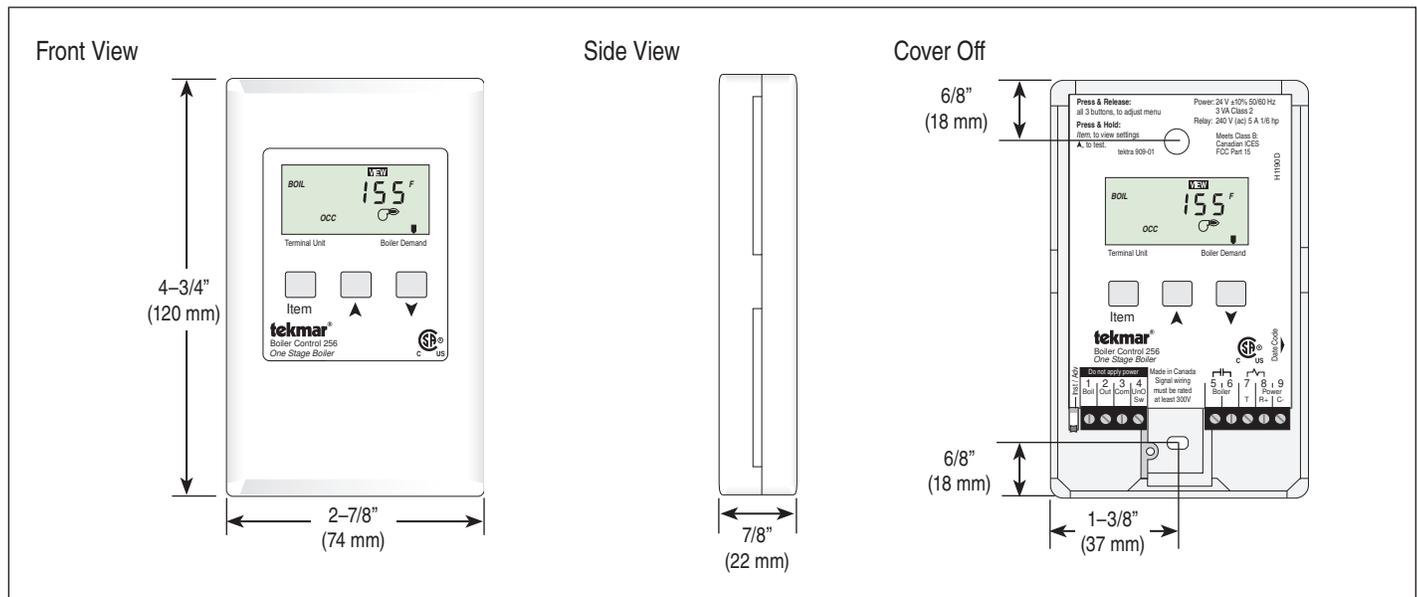
**C 256**

01/11

HVAC Systems Replaces: New

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

The Boiler Control 256 is designed to operate a single boiler using outdoor reset. It can be used in applications ranging from a single zone of baseboard to multiple zones of fan coils and baseboard. This control regulates a single heating water temperature through outdoor reset. It is capable of controlling a single on/off boiler.



### Specifications

<b>Boiler Control 256 One Stage Boiler</b>	
Literature	D256, A256, D001, D070
Control	Microprocessor control. This is not a safety (limit) control
Packaged weight	1.3 lb. (580 g)
Dimensions	4-3/4" H x 2-7/8" W x 7/8" D (120 x 74 x 22 mm)
Enclosure	White PVC plastic, Nema Type 1
Approvals	CSA C US, meets class B: ICES & FCC Part 15
Ambient conditions	Indoor use only, 32 to 104°F (0 to 40°C), RH ≤90% Non-condensing
Power supply	24 V ±10%, 50/60 Hz, 3 VA, Class 2
Relay	240 V (ac) 5 A 1/6 hp
Demand	24 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 071
-Optional	tekmar type #: 033
Warranty	Limited 3 Year (See D256 for full warranty)

### Energy Saving Features

- Outdoor Temperature Reset
- Setback input for night setback
- Warm Weather Shut Down
- Automatic Boiler Differential

### Additional Features

- Quick setup for easy installation and programming
- Advanced settings to fine-tune building requirements
- Test sequence
- CSA C US certified (approved to applicable UL standards)

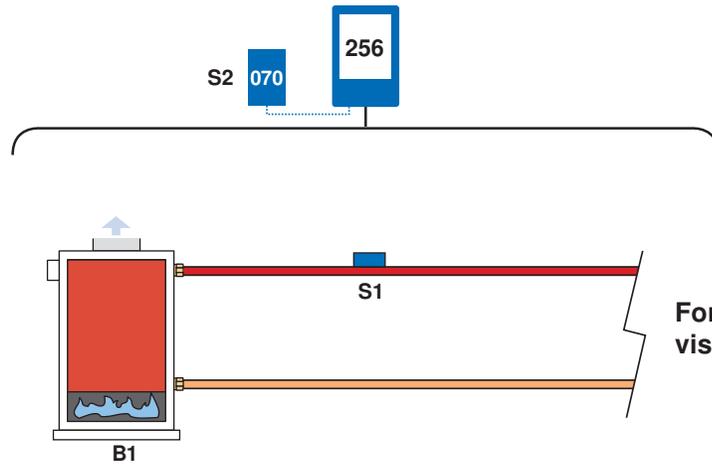
### SPECIAL REQUIREMENTS

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

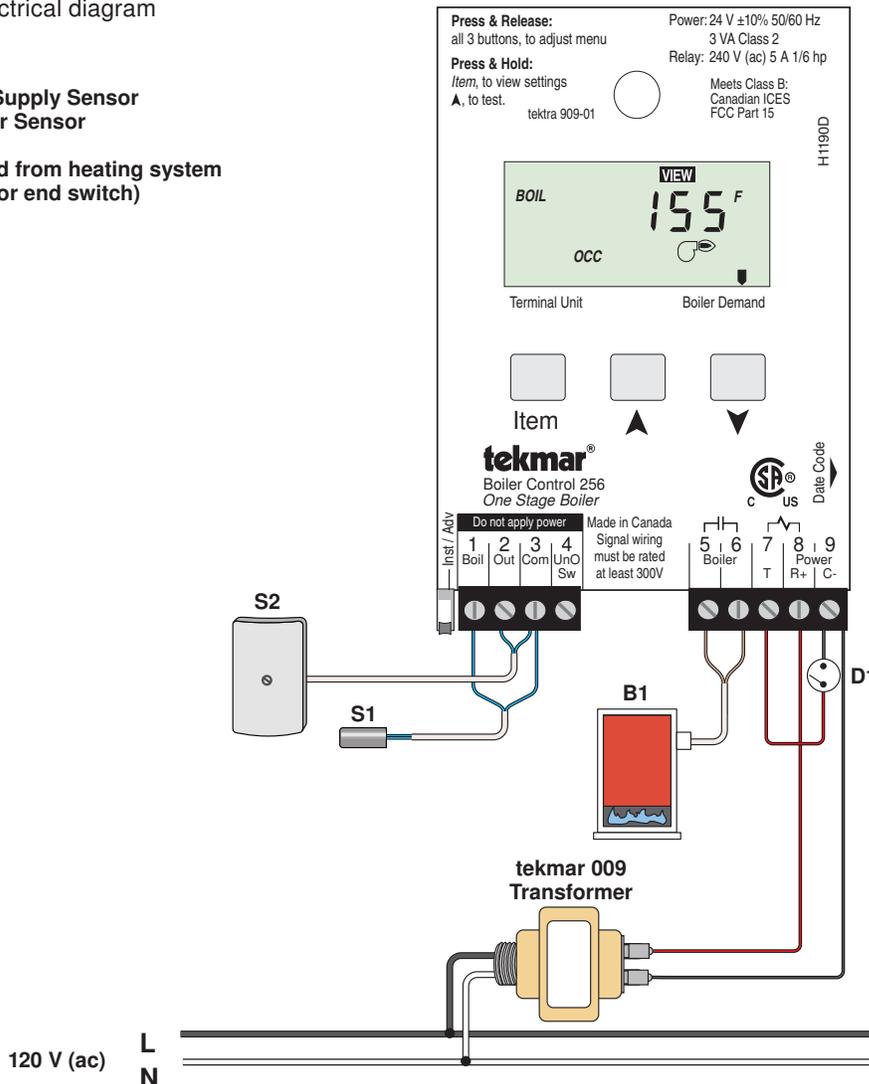


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Sample Electrical diagram

**Legend:**

- S1 = Boiler Supply Sensor
- S2 = Outdoor Sensor
- B1 = Boiler
- D1 = Demand from heating system (thermostat or end switch)



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