

# Submittal

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

## Smart Steam Control 289

The Smart Steam Control 289, connected through the Watts® OnSite mobile/web app is a simple solution to manage all steam boilers across multiple properties. Connectivity to Watts OnSite significantly improves ease of job and reduces the number of staff hours visiting mechanical rooms. The Smart Steam Control 289 is designed to operate up to 2 steam boilers on either one or two pipe steam applications. The system can provide up to 20% energy savings through Outdoor Reset technology, Indoor Temperature Feedback, and warm weather shut down.

### Features

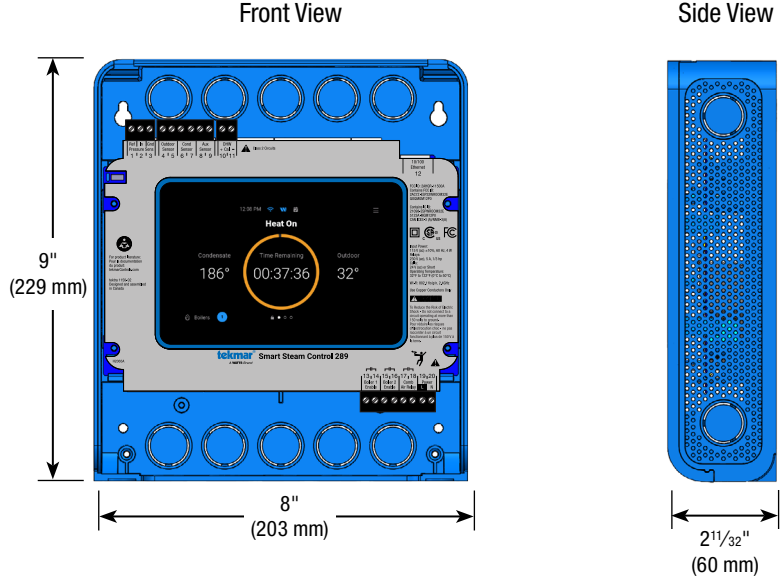
- Perfect for retrofits and New Builds
- 5 inch color touchscreen with Setup Wizard for simplified installation
- Operates up to 2 boilers
- Applications using a tankless DHW coil
- Product Compatible with Optional Flue Sensor 069 and Pressure Sensor 089 (products sold separately)
- CSA Approved for use in the USA and Canada

### Watts® Onsite Features

- Remote access for maintenance and troubleshooting to reduce service calls for contractors and reduce time traveling to sites
- Real time alert and notifications through text, email, and push notifications
- Full transparency on maintenance and service with alert recognition and tracking
- Historical charting data to monitor system efficiency

### Energy Saving Features

- Optimized system efficiency to reduce fuel consumption by up to 20%
- 4 Event, 7 Day Programable Schedule
- Outdoor Reset Technology
- Warm Weather Shut Down
- Indoor Temperature Feedback (with optional indoor sensor)



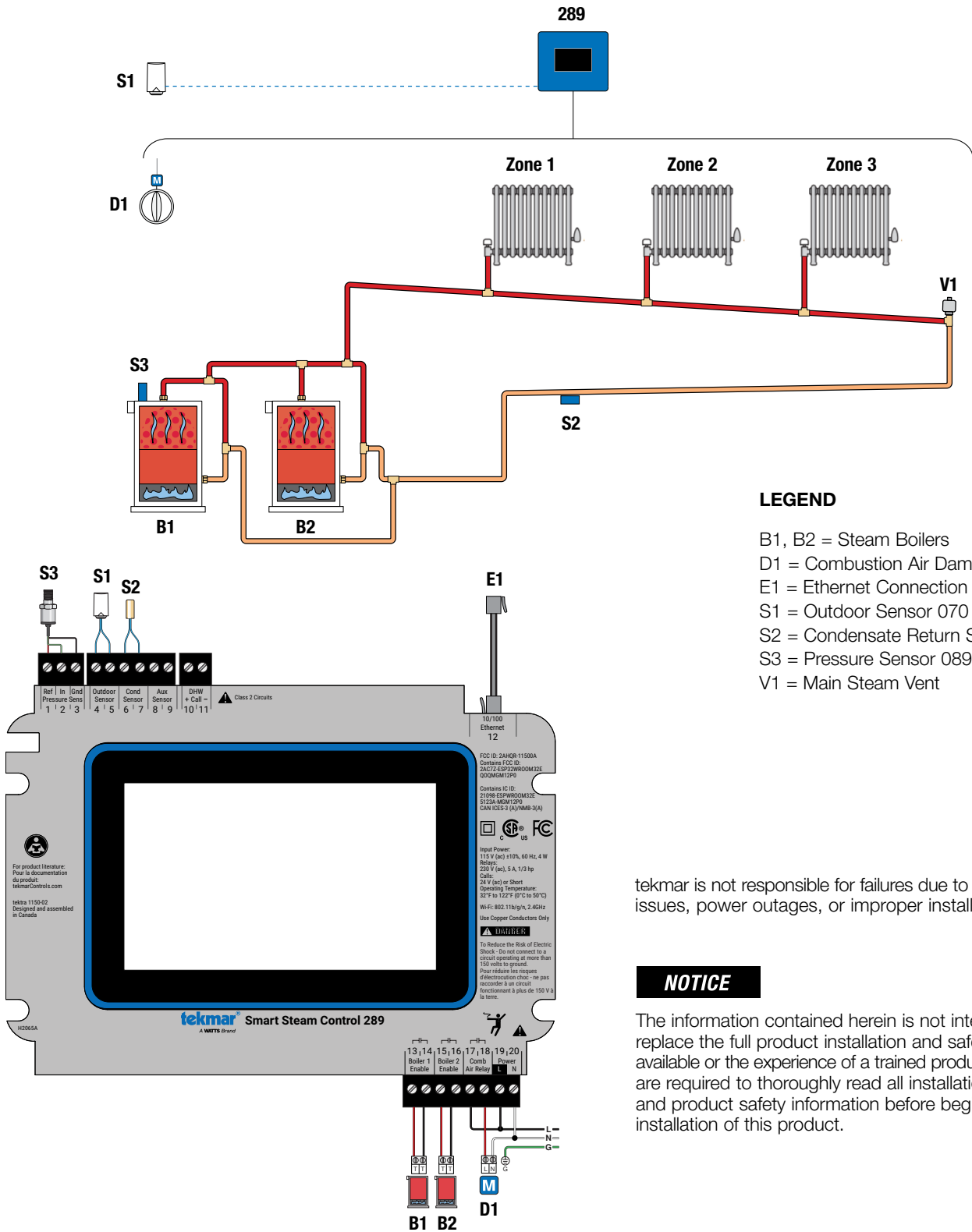
### Specifications

Call customer service if you need assistance with technical details.

Smart Steam Control 289	
Literature	Submittal, Application, Installation and Operating Manual, Job Record, Watts® OnSite Manual
Packaged weight	3.3 lb. (1500 g)
Dimensions	9" H x 8" W x 2 11/16" D (229 x 203 x 60 mm)
Display	5" color touchscreen
Enclosure	Blue ABS plastic, NEMA type 1
Approvals	CSA C US, meets FCC Part 15B, ICES-003 Class A
Ambient conditions	Indoor use only, 32 to 122°F (0 to 50°C), < 90% RH non-condensing, Altitude < 6560 feet (2000 m), Installation Category II, Pollution Degree 2
Power supply	115 V (ac) ±10%, 60 Hz, 4 W
Relays	230 V (ac), 5 A, 1/3 hp
Calls	24 V (ac) or Short
Sensor	NTC thermistor, 10 kΩ @ 77°F (25°C ±0.2°C) β=3892
-Included	Outdoor Sensor 070, Universal Sensor 071
-Optional	tekmar type: 069, 076, 077, 082, 084, 087, 089
Communications	10/100 Ethernet, WiFi 802.11n, 2.4 GHz, WPA2 encryption

tekmar product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact tekmar Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on tekmar products previously or subsequently sold.





**LEGEND**

- B1, B2 = Steam Boilers
- D1 = Combustion Air Damper
- E1 = Ethernet Connection
- S1 = Outdoor Sensor 070
- S2 = Condensate Return Sensor 071
- S3 = Pressure Sensor 089
- V1 = Main Steam Vent

tekmar is not responsible for failures due to connectivity issues, power outages, or improper installation.

**NOTICE**

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

**Concept Drawing:** This is only a concept drawing, not an engineered drawing. It is not intended to describe a complete system, nor any particular system. It is up to the system designer to determine the necessary components for and configuration of the particular system being designed, including additional equipment, isolation relays (for loads greater than the control's specified output ratings), and any safety devices which in the judgement of the designer are appropriate, in order to properly size, configure and design that system and to ensure compliance with building and safety code requirements.



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Tel: 1-800-438-3903 • F: (250) 984-0815  
tekmarControls.com

