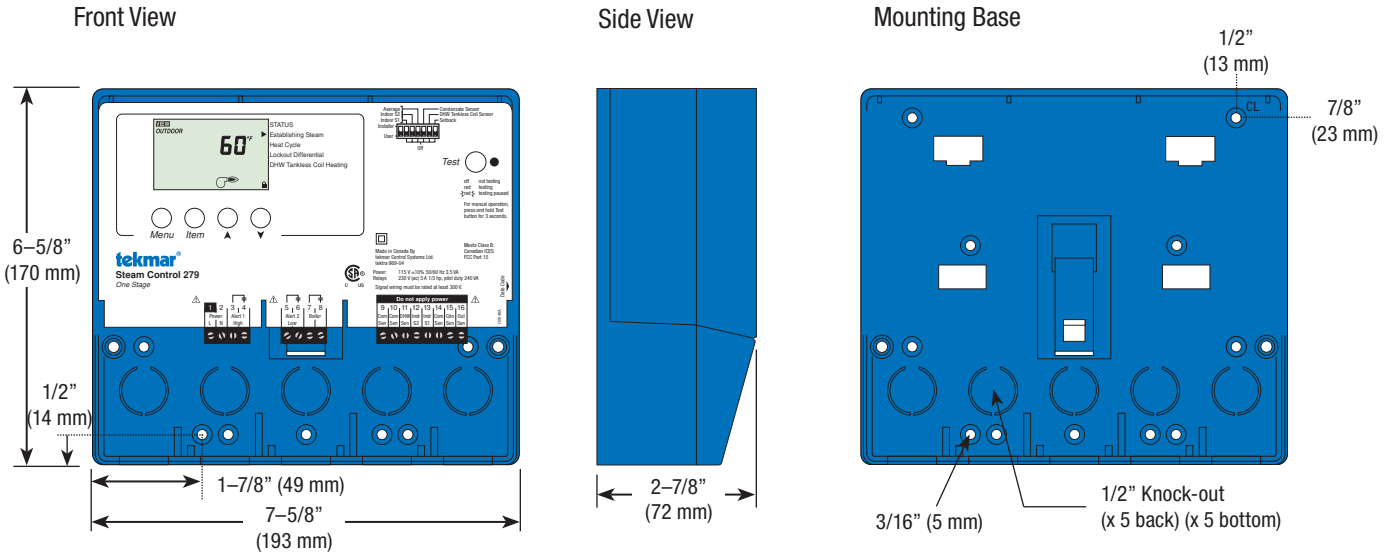


Submittal

Job _____ Designer _____ Contact _____

Steam Control 279

The Steam Control 279 is designed to operate a single steam boiler using outdoor reset. It can be used in single pipe steam applications as well as applications using a tankless DHW coil. This control regulates the on time of a steam boiler through outdoor reset control. It is capable of controlling a single on/off steam boiler.



Energy Saving Features

- Outdoor Temperature Reset
- Warm Weather Shut Down
- Built-in programmable timer
- Indoor Temperature Feedback (with optional indoor sensor)

Additional Features

- Manual Override
- Includes outdoor sensor
- Includes condensate sensor
- Large LCD display
- DHW tankless coil operation
- 24 hour, 5-1-1, 7 day schedule
- Two or four schedule events per day
- Two alert level relays
- CSA approved for use in USA and Canada

Special Requirements

N/A

Specifications

Steam Control 279 One Stage	
Literature	IOM-T-279, ES-T-279, A279, D001, D070
Control	Microprocessor control. This is not a safety (limit) control
Packaged weight	3.3 lb. (1500 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 122°F (0 to 50°C), RH less than or equal to 80 % non-condensing, for temperatures up to 87°F (31°C), decreasing linearly to 50% RH at 104°F (40°C), Altitude less than 6560 ft. (2000 m), Installation Category II, Pollution Degree 2
Power supply	11.5 V (ac) ± 10%, 50/60 Hz, 3.5 VA
Relays	230 V (ac) 5 A, 1/3 hp, pilot duty 240 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 #: 071, 076, 077, 078, 082, 084, 087
Warranty	Limited 3 Year (See IOM-T-279 for full warranty)

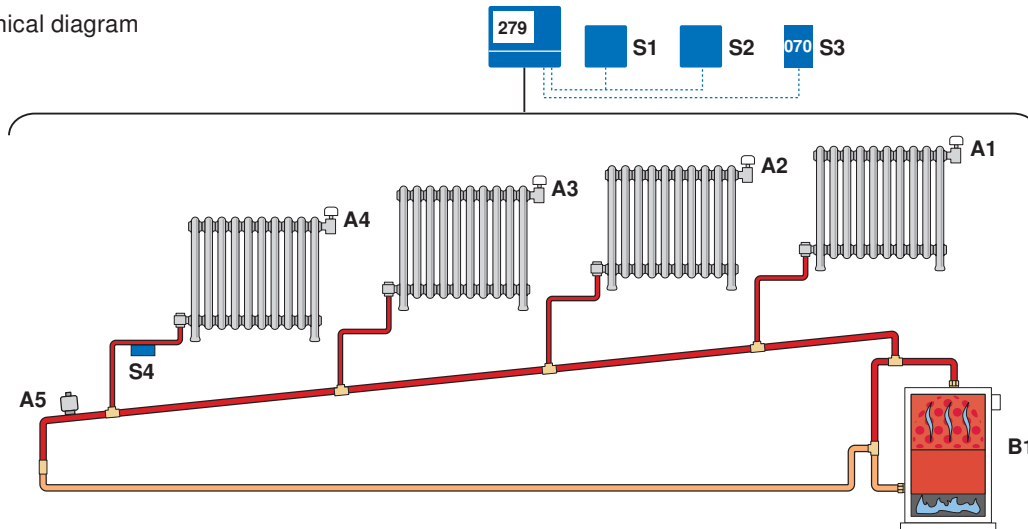
tekmar product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact tekmar Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior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



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.

Sample Mechanical diagram



Sample Electrical diagram

Legend:

- B1 = Boiler 1**
- S1 = Indoor Sensor**
- S2 = Indoor Sensor**
- S3 = Outdoor Sensor**
- S4 = Condensate Return Sensor**
- A1 = Air Vent 1**
- A2 = Air Vent 2**
- A3 = Air Vent 3**
- A4 = Air Vent 4**
- A5 = Main Air Vent**

