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.

**Specifications**

**Steam Control 279 One Stage**

**Literature**
D279, 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 ≤90% Non-condensing, Altitude <6560 ft. (2000 m), Installation Category II, Pollution Degree 2

**Power supply**
115 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

**Warranty**
Limited 3 Year (See D279 for full warranty)

**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
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

DHW Tankless Coil Heating

Made in Canada by tekmar Control Systems Ltd.

For manual operation, press and hold Test button for 3 seconds.

Signal wiring must be rated at least 300 V.

Do not apply power.