

Venting Options / Electrical Connection

Vitodens 100-W Venting Options

For an overview of venting options refer to the appendix starting on page 19. For detailed information refer to the *Vitodens Venting System Installation Instructions*.

Electrical Connection

All electrical connections are made to the boiler's integrated power pump module (120 VAC/60 Hz). Use disconnect means and power service switch as per local code requirements.

Control Unit

Function and construction

The control is integrated into the Vitodens 100-W boiler.

- Integrated diagnostic system
- For room temperature-dependent operation, an external control or a room temperature thermostat may be connected
- To control DHW temperature, a separate DHW controller may be connected
- External heat demand
- 0-10 V (field wiring)
- Viessmann outdoor temperature sensor (field wiring)
- Open Therm (field wiring)

The control unit consists of:

- LCD Display
- Selector dial for boiler water temperature adjustment
- Selector dial for service setting
- Temperature adjustable high limit
- Boiler temperature sensor
- Burner fault display
- Burner fault reset
- Pressure gage
- Fuse

Boiler temperature sensor

The boiler temperature sensor is connected to the control unit and built into the boiler.

Frost protection

Frost protection is continuously active. The burner is switched ON when the boiler water temperature reaches 41 °F / 5 °C and is switched OFF again when the boiler water temperature reaches at least 59 °F / 15 °C (but not more than 68 °F / 20 °C).



For details on the control, please refer to the *Vitodens 100-W Operating Instructions*.