Submittal
Radiant Thermostat 519
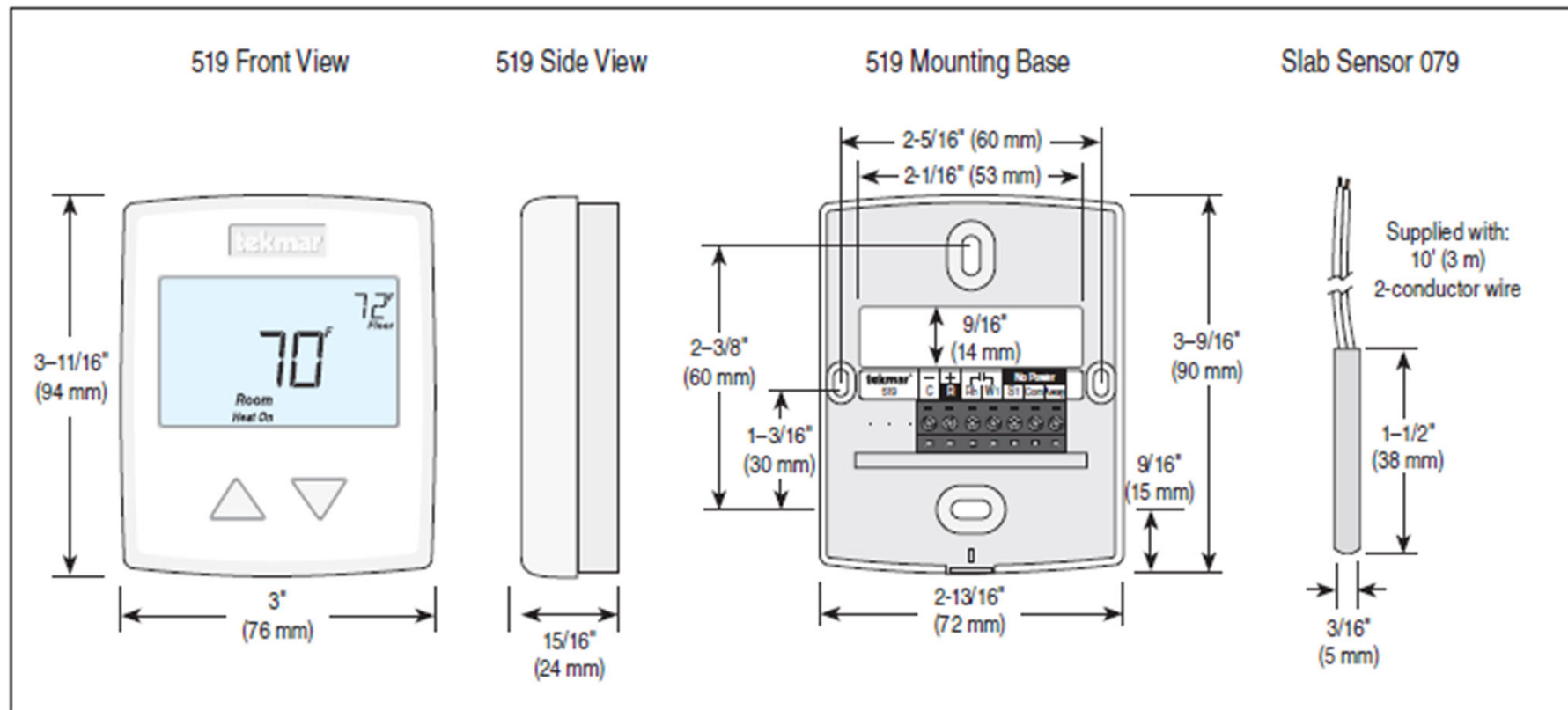
Job _____ Designer _____ Contact _____

The Radiant Thermostat 519 accurately controls the room and/or floor temperature for a hydronic heating zone using Pulse Width Modulation (PWM) technology. Simple up and down buttons and a display with large type make this thermostat easy to read and use. A Slab Sensor 079 is included to measure floor temperature to protect the floor from overheating and enhance comfort. This easy to install thermostat is a direct replacement for the tekmar Thermostat 509.

519 Front View

3–11/16" (94 mm)

72° Floor

70°F

Room
Heat On

3" (76 mm)

519 Side View

15/16" (24 mm)

519 Mounting Base

2-5/16" (60 mm)
2-1/16" (53 mm)

2-3/8" (60 mm)

9/16" (14 mm)

1-3/16" (30 mm)

tekmar 519   C R Re Wh S1 Com Re   No Power

3–9/16" (90 mm)

9/16" (15 mm)

2-13/16" (72 mm)

Slab Sensor 079

Supplied with: 10' (3 m) 2-conductor wire

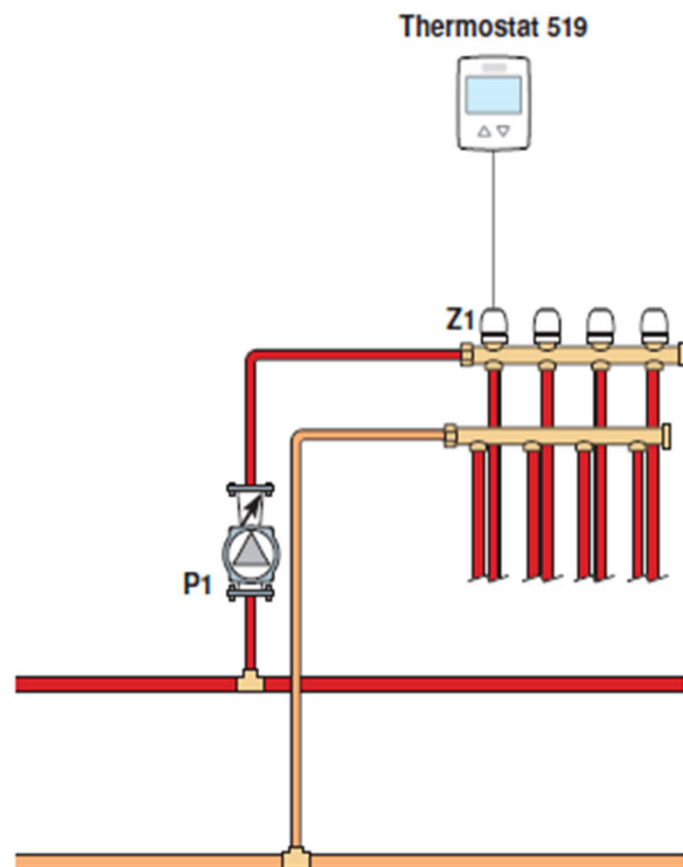1–1/2" (38 mm)

3/16" (5 mm)

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 tekmarControls.com.
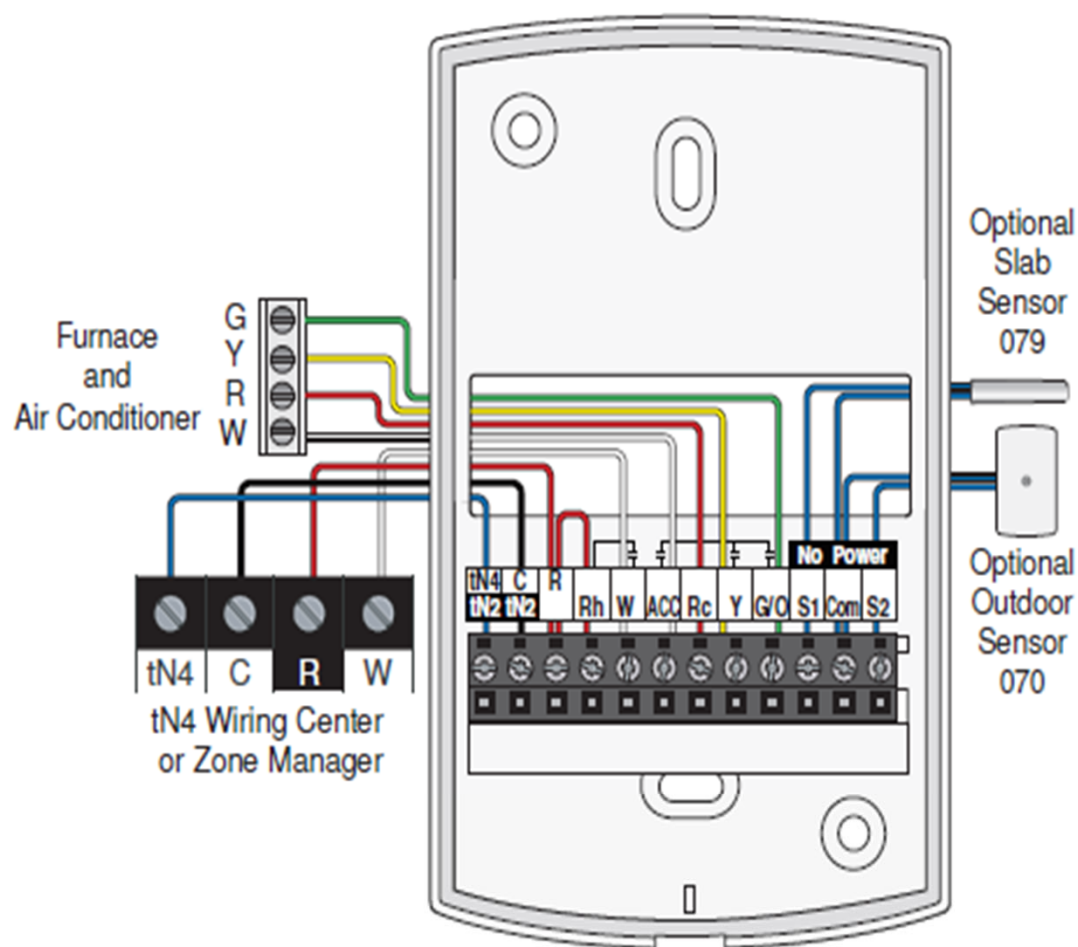
Sample Mechanical diagram

Legend
P1 = Manifold Pump
S1 = Optional Slab Sensor 079
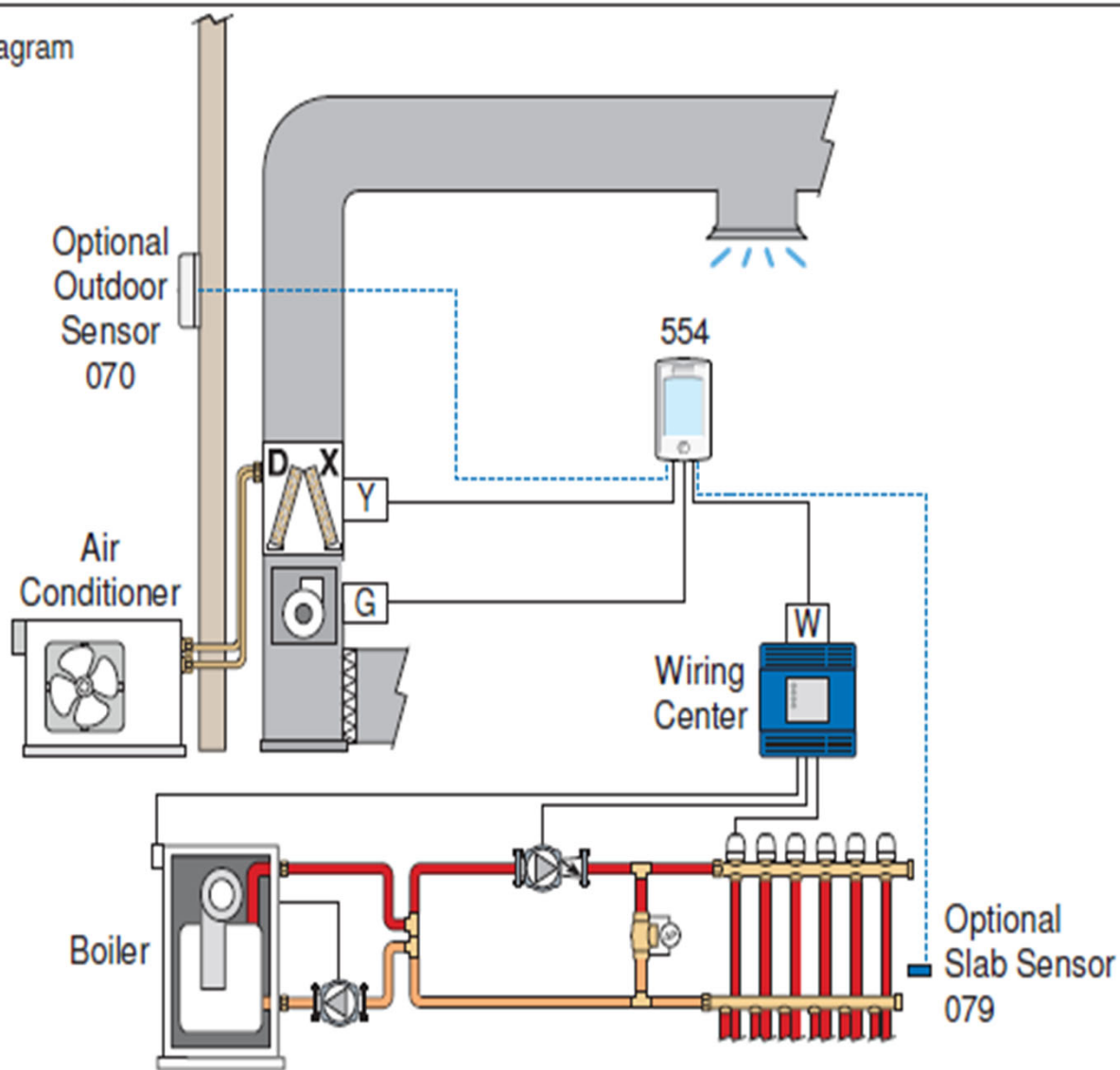T1 = 24 V (ac) Transformer 009
Z1 = Zone Valve

Thermostat 519

Z1

P1

Sample Electrical diagram

Furnace
and
Air Conditioner

G
Y
R
W

Optional
Slab
Sensor
079

Optional
Outdoor
Sensor
070

No Power

tN4 | C | R
tN2 | tN2
Rh | W | ACC | Rc | Y | G/O | S1 | Com | S2

tN4 | C | R | W

tN4 Wiring Center
or Zone Manager

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.
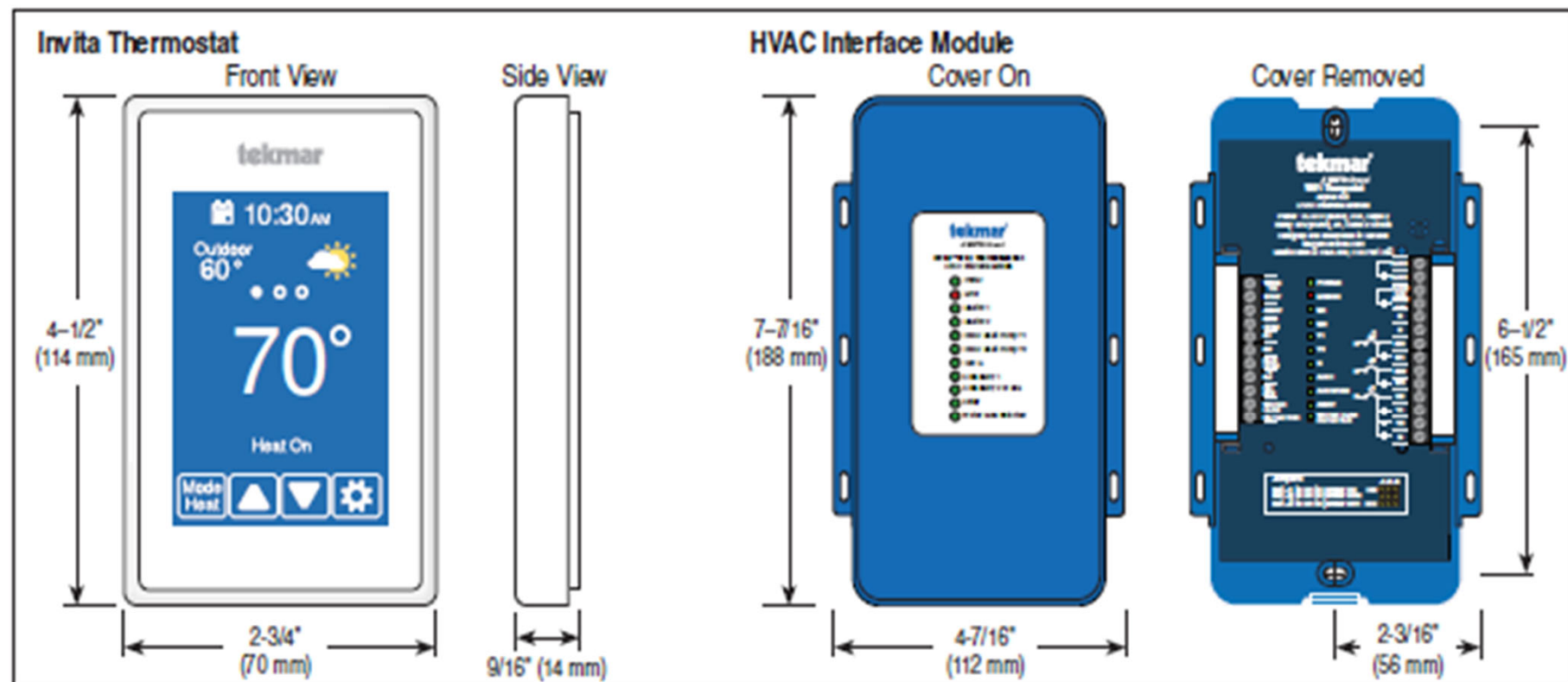

Sample Mechanical diagram

Optional Outdoor Sensor 070

Air Conditioner

554

D X
Y
G

Wiring Center
W

Boiler

Optional Slab Sensor 079

Submittal

Job _____ Designer _____ Contact _____

Invita® WiFi Thermostat 564

The Invita WiFi Thermostat makes upgrading easy by using the existing 2-wires from any living space to connect to an HVAC Interface Module in the mechanical room. It works with most types of heating and cooling systems including conventional, heat pump and dual fuel while offering fan, relative humidity and ventilation control. The Invita Connect app provides secure WiFi adjustment, and can send email notifications when there are problems with the HVAC system. The Invita WiFi Thermostat is available in both white and black finishes and offers a choice of five display screen color themes.

Invita Thermostat

Front View | Side View

4–1/2" (114 mm)

tekmar

🗓 10:30 AM

Outdoor 60°

70°

Heat On

Mode Heat | ▲ | ▼ | ⚙

2-3/4" (70 mm)

9/16" (14 mm)

HVAC Interface Module

Cover On | Cover Removed

7–7/16" (188 mm)

6–1/2" (165 mm)

4-7/16" (112 mm)

2-3/16" (56 mm)

Example Application

Sample Mechanical diagram

Heat Recovery Ventilator

Optional Outdoor Sensor

Humidifier

Electric

D   X

Air Conditioner

Furnace

HVAC Interface Module

Thermostat Display

Optional Watts FloodSafe® Water Detector Shutoff

Hot Water Tank