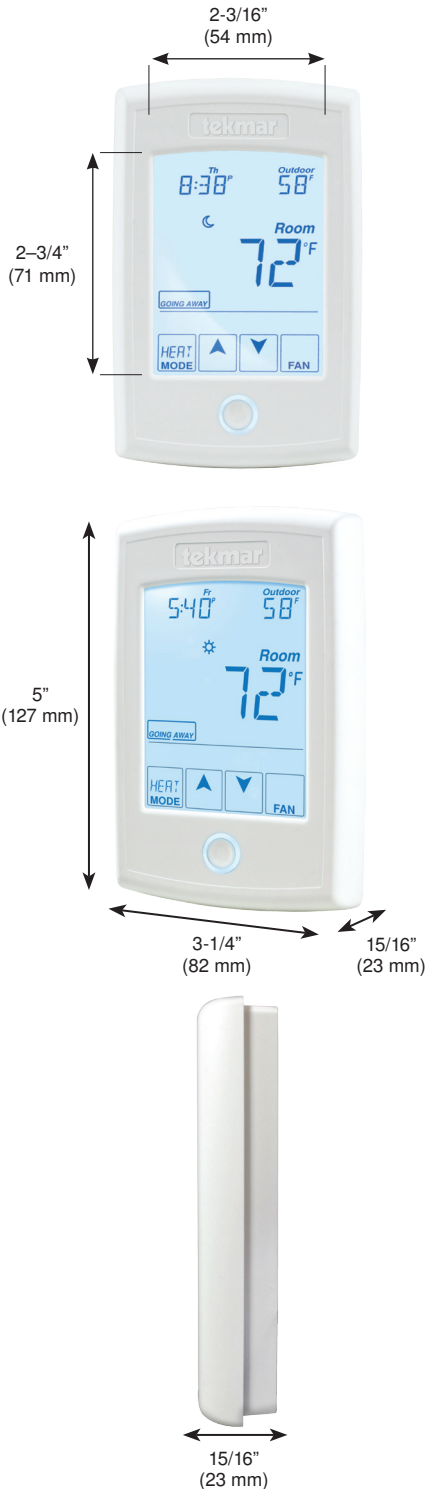




tekmarNet® Thermostat 553

Two Stage Heat, One Stage Cool, Fan



Simplicity & Convenience at the Touch of a Button

The tekmarNet® Thermostat 553 is a communicating touchscreen thermostat designed to operate two heating stages, one cooling stage, a fan and relative humidity. The heating stages can be hydronic, forced air or a single stage heat pump. The cooling stage is either an air conditioner or heat pump.

There are two auxiliary sensor inputs available to measure room, floor, outdoor, coil or duct temperature. The optional floor sensor allows precise heating of radiant floors by controlling the floor temperature and maintaining the desired room air temperature. Relative humidity level can be measured and controlled using the built-in humidity sensor.

The large touchscreen allows you to easily adjust 7-day programmable schedules and room temperature to optimize comfort and energy savings. The 553 can connect to tekmarNet® controls using two or four wires or it can operate as a stand-alone device.

Featuring the Best in Radiant Floor Control

- Radiant floor heating & cooling
- Relative humidity control
- tekmarNet® communication
- Zone synchronization
- Temporary hold
- Outdoor temperature display
- Indoor temperature feedback
- Programmable schedules
- Optimum start
- Away/vacation mode
- Remote system access
- Home automation integration

Bringing air & hydronic systems together



HVAC Systems



Multi-Staging



Alternative Energy



Zoning



Snow Melting



Setpoint

tekmar®

Better Control. Better Systems.

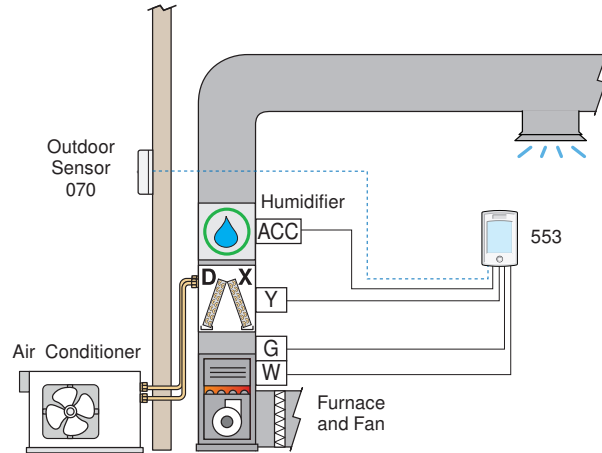
A Watts Water Technologies Company



Sample Application Drawings

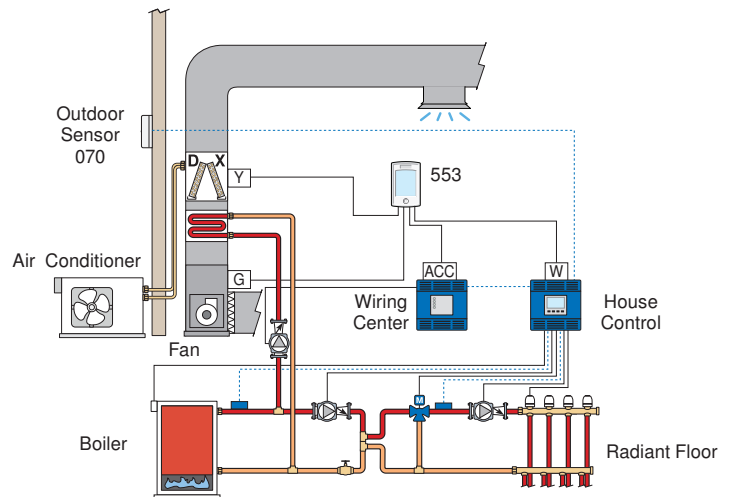
1 Heat / 1 Cool / 1 Fan / Relative Humidity

The 553 operates a one-stage furnace for heating and operates a one-stage air conditioner for cooling. The fan operates with the heating and cooling or independently for ventilation. The thermostat can operate an optional humidifier or dehumidifier to maintain desired relative humidity settings.



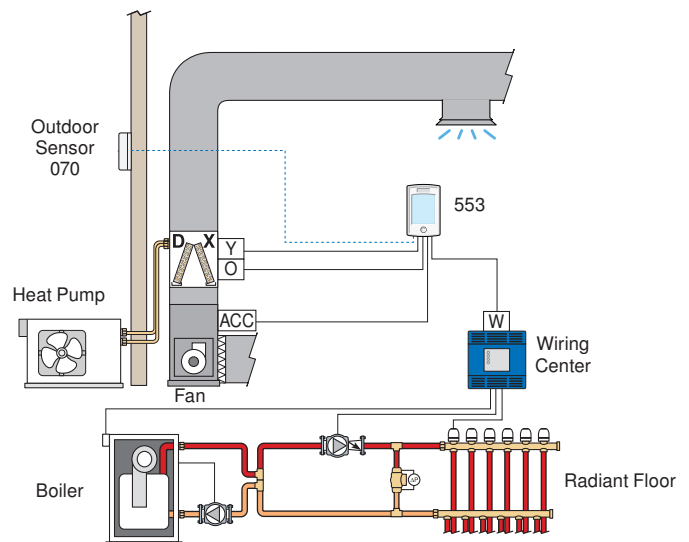
2 Heat / 1 Cool / 1 Fan

The 553 operates a radiant floor as the first stage of heat and a hydronic fan coil as the second stage of heat. An air conditioner provides cooling. The fan operates with the heating and cooling or independently for ventilation.



1 Radiant Floor / 1 Heat Pump / 1 Fan

The 553 operates a radiant floor as the first stage of heat and a heat pump for second stage heat and first stage cooling. The radiant floor can shut off during moderate outdoor weather to allow only the heat pump to provide heating. The fan operates with the heating and cooling or independently for ventilation.



For more information on our product line,
visit: www.tekmarControls.com