

# tekmar® Submittal

## tekmarNet® 2 Thermostat 530



Zoning

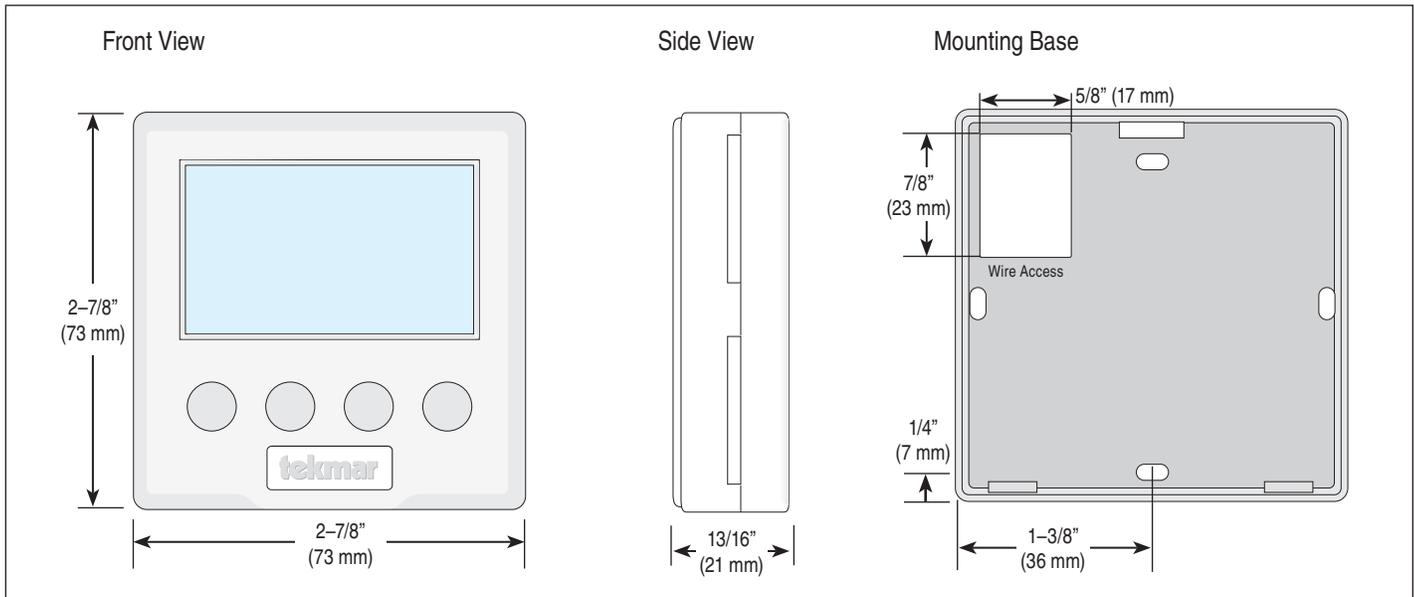
**530\_C**

10/12

Replaces: 01/11

Job \_\_\_\_\_ Designer \_\_\_\_\_ Contact \_\_\_\_\_

The tekmarNet® 2 Thermostat 530 is designed to operate a single stage of heating, cooling, and fan within a residential heating and cooling system. It can be used with any terminal unit type, including radiant floor, baseboard, and fan coils. It is capable of controlling the heating device using a zone valve or zone pump through a tekmarNet® 2 Wiring Center or Zone Manager.



### Specifications

tekmarNet® 2 Thermostat 530 One Stage Heat, One Stage Cool, One Fan	
Literature	530_D, 530_Q, 530_U
Control	Microprocessor control. This is not a safety (limit) control
Packaged weight	0.8 lb. (380 g)
Dimensions	2-7/8" H x 2-7/8" W x 13/16" D (73 x 73 x 21 mm)
Enclosure	White PVC plastic
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 ≤80% to 88°F (31°C), down to 50% above 104°F (40°C), Altitude <6560 ft. (2000 m), Installation Category II, Pollution Degree 2
Power supply	Provided by tekmarNet®2 Control, 1.3 VA
Y relay	24 V (ac) 2 A
G relay	24 V (ac) 2 A
Warranty	Limited 3 Year (See 530_D for full warranty)

### Energy Saving Features

- Zone Synchronization
- Zone Post Purge
- Intelligent setback (with tekmar Timer 033)
- One touch overrides (with optional User Switch)
- Auto Heating Cycle
- Cooling Interlock

### Additional Features

- tekmarNet®2 communication compatible
- Requires 2 wires
- One stage heat, cool, and fan
- Pulse Width Modulation
- CSA C US Approved for use in USA and Canada
- Outdoor temperature display
- Air Group Master
- Backlight
- Freeze Protection
- Equipment Exercising
- Auto heat-cool switchover
- Room Temperature Limiting
- Hydronic Cooling
- Supports Radiant Floor Cooling

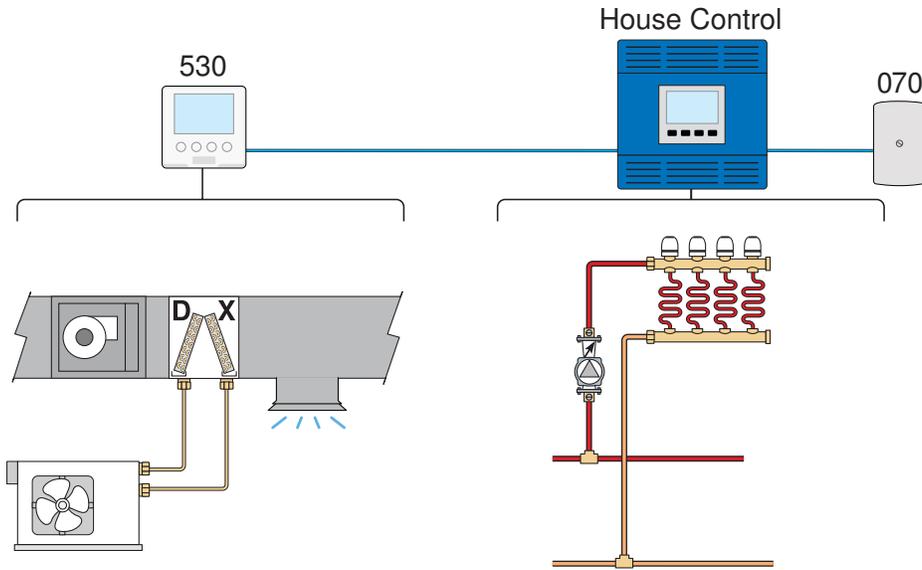
### SPECIAL REQUIREMENTS

This thermostat must be used with a tekmarNet®2 House Control, Wiring Center or Zone Manager for power and communication.

## 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](http://www.tekmarControls.com).

Sample Mechanical diagram



Sample Electrical diagram

