

# Communicating Control Systems



## Remote Communication to HVAC Systems

- Web Browser Interface
- Home Automation Integration
- One-Touch System Overrides



**tekmar**<sup>®</sup>  
Control Systems

# Convenience & Reliability

tekmarNet® controls provide comfort, energy savings and convenience for a wide range of hot water heating systems. With accessories such as a Gateway or User Switch, customers can enjoy the ultimate level of convenience and control. Whether adjusting the system settings remotely or at home, they will appreciate how easy tekmarNet® is to use. Plus, with remote access capabilities, contractors can provide system monitoring services, ensuring efficient operation and peace of mind for the building occupants.

## HOME AUTOMATION FEATURES

### Setting Adjustment

Adjust heating, cooling, fan operation and schedule times for all tekmarNet® Thermostats using the centralized home automation system interface.

### Temperature Display

Outdoor and room temperatures can be displayed by the home automation system.



## WEB BROWSER ACCESS FEATURES

### Home Page

Customize with a site photo and details of the installation including site location and contacts.

### Temperature Page

View and adjust temperature settings for any tekmarNet® Thermostat from a single page.

### Graphing

View historical performance of the HVAC system.

### Email Alerts / Reports

Send email notifications of system events such as 'no heat' or 'low oil level' as well as periodic status reports.

### Schedules

Easily create energy saving schedules for each thermostat.

### System Overrides

Determine how each thermostat responds to 'normal', 'unoccupied', and 'away' overrides, and create custom named overrides such as 'guest' or 'hot tub'.

### System Details

View the measured supply, return and target water temperatures.

## USER SWITCH FEATURES

### System Overrides

Switch between comfort and economy temperatures with the push of a button.

### Alert Notification

Critical and non-critical alerts can be sent to third party devices such as security systems.

### Remote Access

Enable access through a telephone switch to change the status of the HVAC system.

# Communication Solutions

## tekmarNet® User Switches

- 479** • Pre-programmed to switch between occupied, unoccupied and away temperatures
- 480** • Access pre-programmed or custom HVAC system temperature overrides
  - Receive input from home automation system or telephone switch
- 481** • Access pre-programmed or custom HVAC system temperature overrides
  - Send output to home automation system or alarm panel



## User Switch 479 480 481

Features			
Three Buttons	•	•	•
Programmable Buttons	-	•	•
Scenes (System Override)	•	•	•
Setpoint Enable	-	•	•
Remote Scene Access	-	•	-
Scene Status Output	-	-	•
Alert Output	-	-	•

## tekmarNet® Gateways

- 482** • Open protocol for third party developers
  - Provide building automation system access to tekmarNet® Thermostat settings
  - Drivers available for AMX, Crestron & Elan



- 483** • Remote access via web browser
  - Free software updates
  - No access fees
  - Connects to tekmarNet® System or Boiler Control 274/275



## Gateway 482 483

Features		
Home Automation Integration	•	-
Remote Temperature Control	•	•
Scenes (System Override)	-	•
Schedule Adjustment	•	•
Email Reports	-	•
Internet Browser Accessible	-	•
Data Graphing	-	•
Location Information	-	•
Periodic Status Reports	-	•
Heating System Data	-	•

## Why Choose tekmar?

*tekmar has over 25 years of experience controlling hydronic heating systems. With reliable, cost effective controls that are easy to install and program, there is no reason to settle for a less efficient system. Choose tekmar and benefit from our world class technical support, training and a network of experienced local representatives.*



### One-Touch HVAC System Override

479, 480, 481

Maintain 'comfort' temperatures.

Maintain 'economy' temperatures.

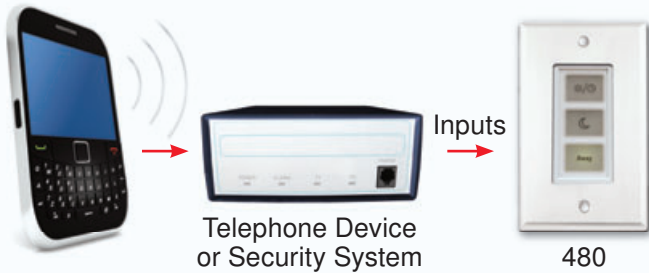
Maximize energy savings.  
Ideal for vacation properties.



tekmarNet® HVAC System

### One-Touch HVAC System Override + Phone Access

480

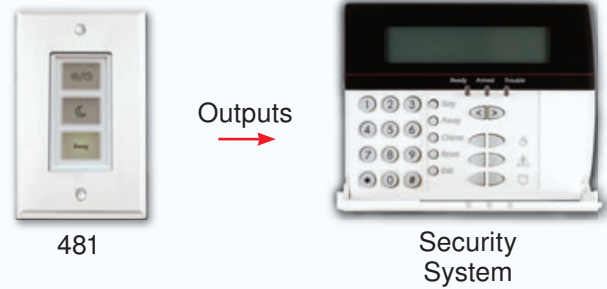


Telephone Device  
or Security System

480

### One-Touch HVAC System Override + Critical & Non-Critical Alert Notification

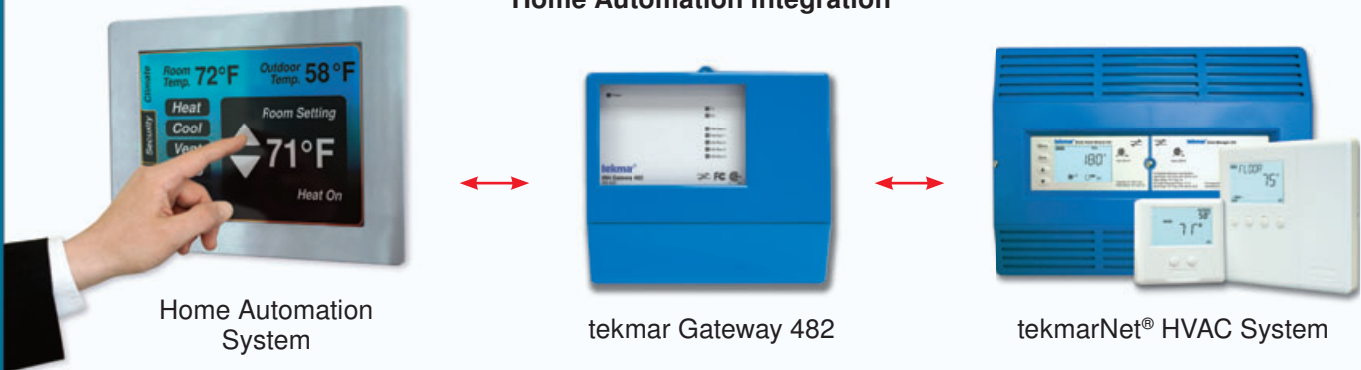
481



Security System

### Home Automation Integration

482



Home Automation System

tekmar Gateway 482

tekmarNet® HVAC System

### Access Via Web Browser

483



Web Browser

Internet

tekmar Gateway 483  
with Web Server

tekmarNet® HVAC System



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