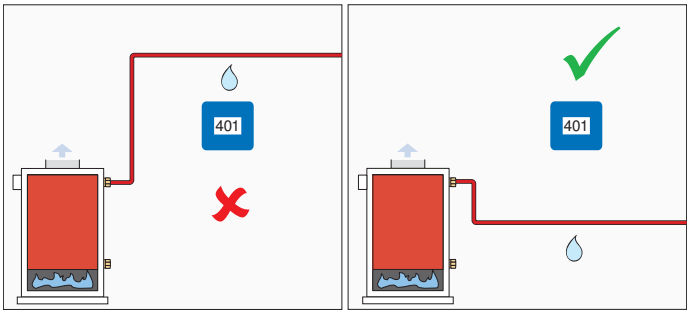
tekmar® Quick Setup Guide
tekmarNet®2 House Control 401

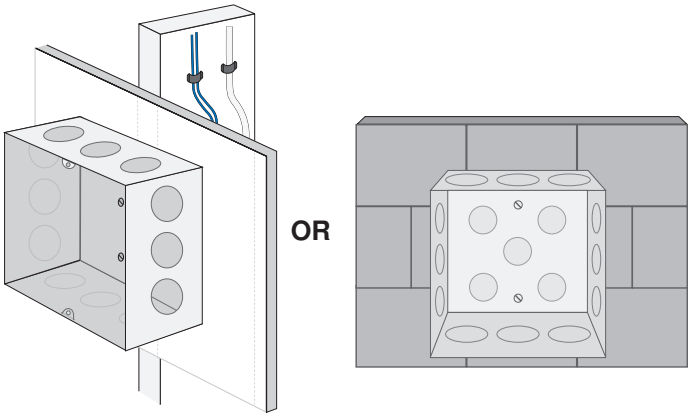
HVAC Systems

Q401
09/10
Replaces: 06/09

1. Location

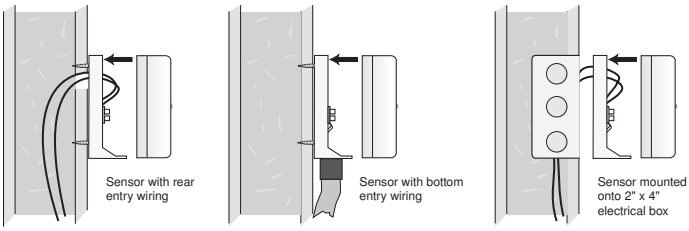


2. Install Junction Box

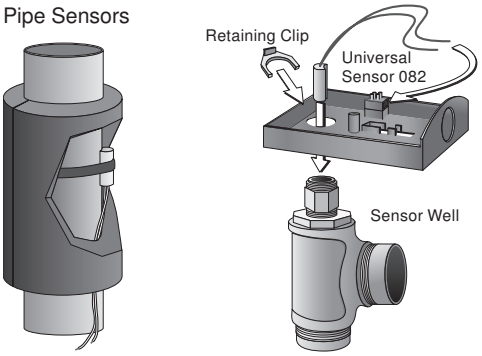


3. Install Sensors

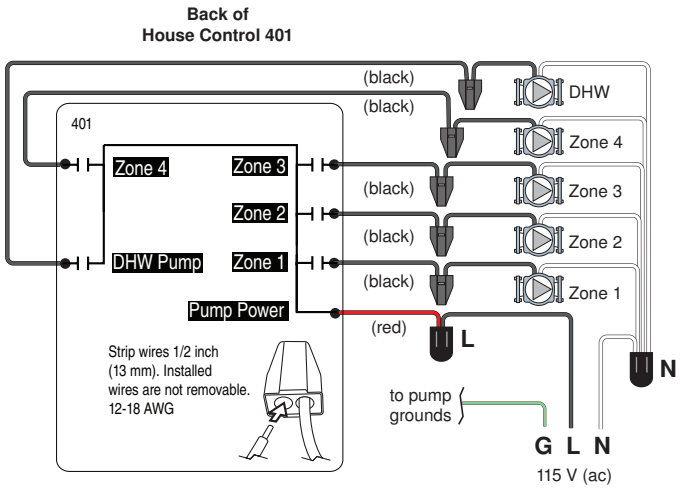
Outdoor Sensors



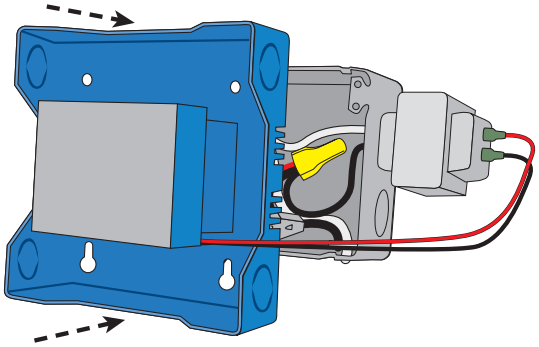
Pipe Sensors



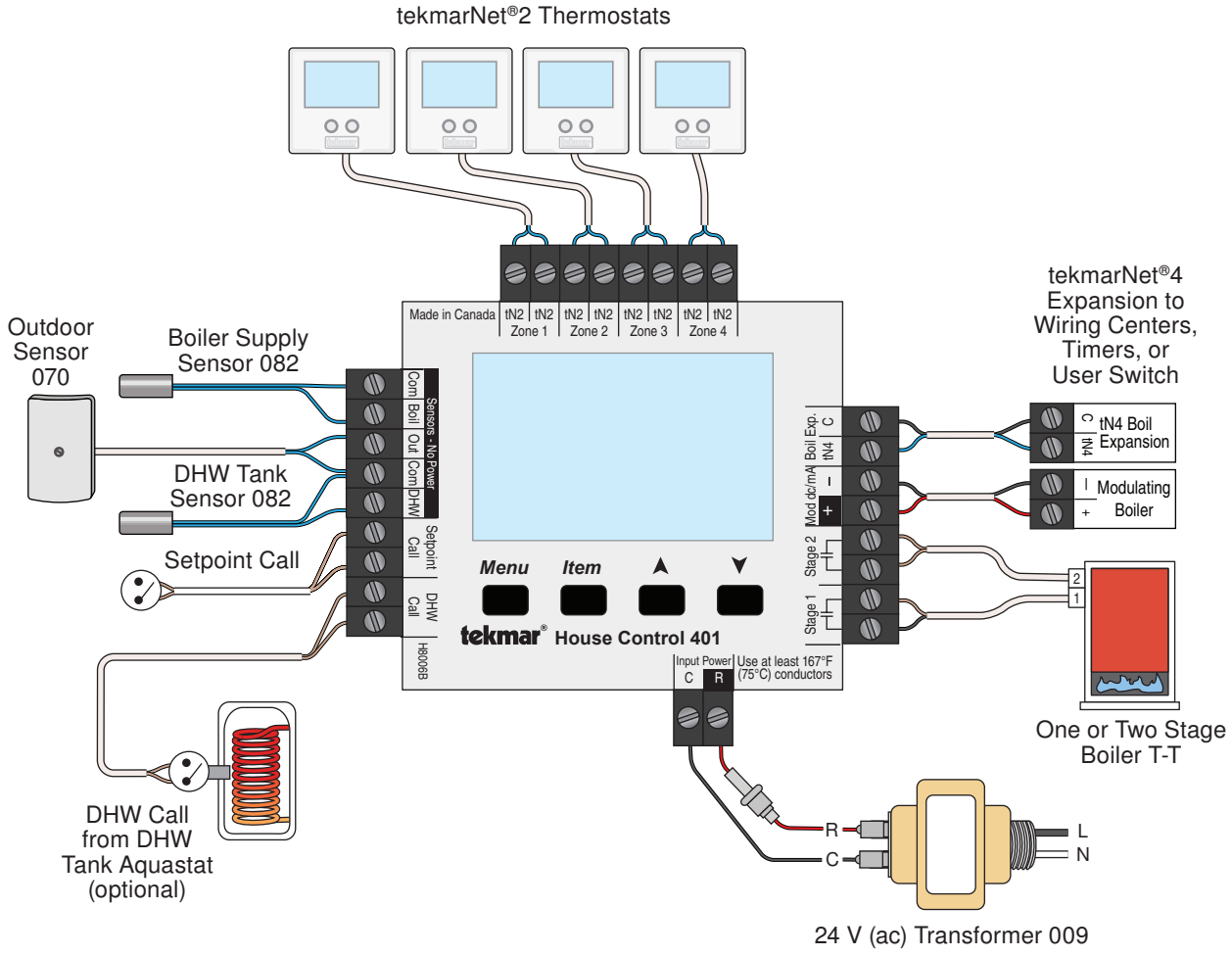
4. Line Voltage Wiring



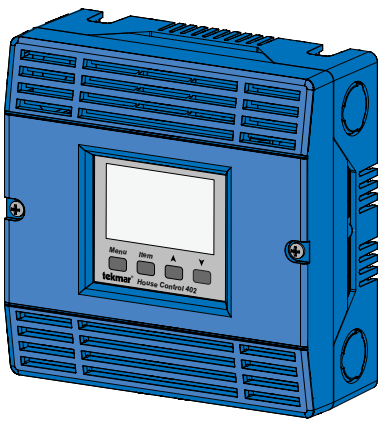
5. Install Enclosure



6. Low Voltage Wiring

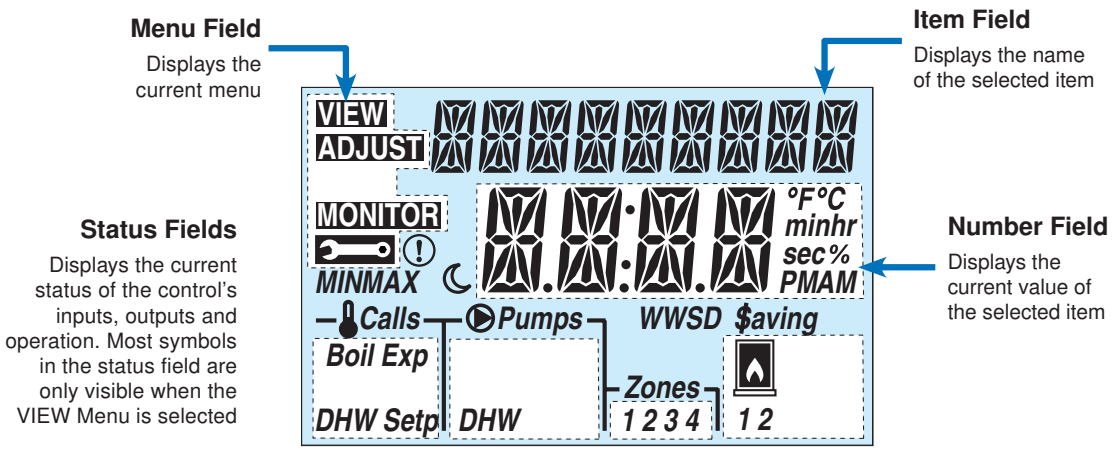


7. Install Cover



8. User Interface

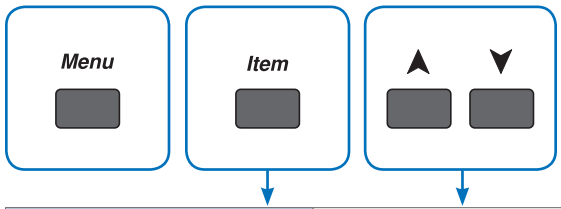
Display



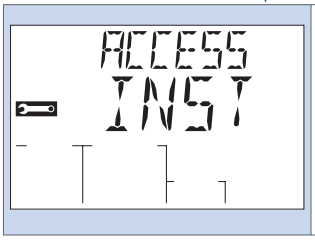
Symbols

Calls	**CALLS** Displays any call for heat the control is receiving.	WWSD	**WWSD** Displays when the system is in Warm Weather Shut Down.
Pumps	**PUMPS** Displays any pump currently operating.	°F°C minhr sec%	**°F, °C, %, HOURS, MINUTES, SECOND** Units of measurement for current number.
Zones 1 2 3 4	**ZONES** Displays if an on-board zone is operating.		**UNOCCUPIED** Indicates that a User Switch or Timer has put the system into UnOccupied.
	WARNING Displays if an error exists on the system.		**BOILER** Indicates that the boiler should be heating.
$aving	**ENERGY SAVING INDICATOR** Displays when the system is saving energy. See the Saving Indicator section.	MINMAX	**MIN / MAX** Displays when an operating temperature reaches a minimum or maximum value.

9. Access Level



Press menu button until the Toolbox Menu is displayed. Press item button to locate the access level setting.



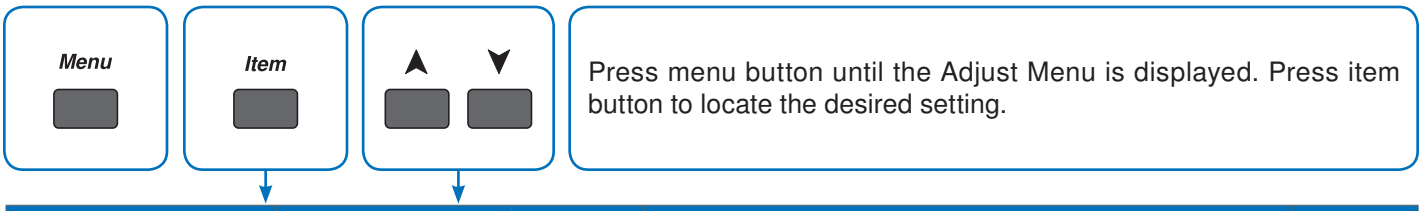
INST (Installer) or USER
Default = INST

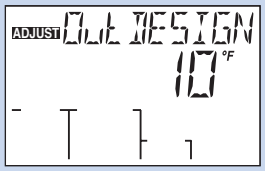
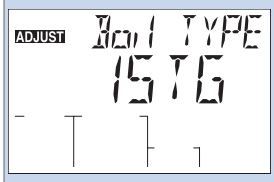
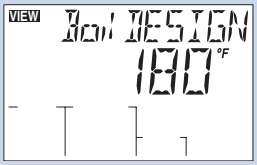
ACCESS LEVEL

Selects the Access Level of the control, which determines the Menu items available. USER provides the most limited level of access and shows the fewest possible items.

When set to USER, all thermostats are locked and the number of thermostat settings available are reduced.

10. Critical Settings



Item Field	Range	Access	Description	Set to
	-60 to 45°F (-51.0 to 7.0°C) Default = 10°F (-12.0°C)	Installer	**OUTDOOR DESIGN** Typically set to the temperature of the coldest day of the year. The outdoor air temperature used in the boiler heating curve is used to determine the boiler target temperature.	
	EMS2, EMS1, 4-20 0-10, 2STG, 1STG Default = 1STG	Installer	**BOILER TYPE** The type of boiler connected to the control. 1STG = single one-stage on-off boiler 2STG = single two-stage on-off boiler 0-10 = 0-10 V (dc) modulating boiler 4-20 = 4-20 mA modulating boiler EMS1 = tekmar boiler staging controls EMS2 = Viessmann modulating boilers with OpenTherm	
	70 to 200°F (21.0 to 93.5°C) Default = 180°F (82.0°C)	Installer	**BOILER DESIGN** The supply water temperature required for the boiler zones to heat the building on the typical coldest day of the year. Recommendations: High mass radiant floor = 120°F (50°C) Low mass radiant floor = 140°F (60°C) Fancoil or air handling unit = 190°F (90°C) Copper fin-tube convector = 180°F (80°C) Radiators = 160°F (70°C) Low profile baseboard = 150°F (65°C)	

All specifications are subject to change without notice.
Printed in Canada. Q401 - 09/10.