How can I find the instruction manual for a kanmor controller?

Each kanmor product has a three-digit product number. Most controllers have the three-digit product number on the front; thermostats and room controllers will have the three-digit product number inside the wiring area. Once you find the product number you can locate the installation and operation manual or the user manual on the kanmor website. Every current product has a page in the products section with links to related brochures. Discontinued product brochures can be found on the product literature page in the kanmor library .

I have a kanmor thermostat or room controller that shows OPN or OPEN. What does this mean?

OPN or OPEN means that there is an open electrical circuit on an auxiliary temperature sensor input. In the wiring area, check to see if an auxiliary sensor has been connected. If there are no wires connected to the auxiliary sensor terminals, the SENSOR setting in the ADJUST MENU can be set to OFF to correct the problem. If there is a sensor connected, check the wiring for loose connections or broken wires. In some cases the auxiliary temperature sensor may have failed and requires replacement. For specific information, find out the three digit type number of the thermostats (shown in wiring area), and then refer to the product Installation and Operation Manual that is available on our website. Once the issue has been corrected, it is recommended to change the thermostat to the User access level.

Why won't my boiler(s) fire? I wired the controller with power and connected my boiler to it but it is not turning on the boiler(s). The boiler does fire when I press the test button.

Classic series kanmor controllers require a call for heat, or demand, to be applied to the control. Check the display to see if a mixing or boiler demand is present, you may not have provided a demand to the control. Use the building thermostat, or end switches from zone valves to apply either 24 or 240 V (ac) power to the demand terminals on the control.

I have a Boiler staging controller and a couple of mixing controls (classic series). It doesn't seem as if the mixing controllers are providing enough heat and the building is under heating.

Both the boiler staging controllers and the mixing controllers have a 'Boiler Minimum' setting to protect the boiler(s). The boiler and mixing controllers are reading the boiler temperature at different locations, supply vs. return. Therefore, you must set the 'Boiler Minimum' setting on the mixing controllers at least 11°C cooler than the 'Boiler Minimum' setting on the boiler staging controller. Otherwise the mixing controllers back off too soon while the boiler controller thinks

everything is okay.

My building is under heating, especially when it's cold outside.

On the display the boiler controller will show the outdoor temperature reading in the View menu. In some cases, the outdoor temperature is reading much warmer than the actual ambient outdoor air temperature. This results in the heating system using cooler water temperatures to heat the building.

The location and installation of the outdoor air sensor on the outside of the building is very important. The outdoor sensor should be installed on a north-facing wall and away from any heat sources such as direct sunlight, vents, doors, and windows. Warm air from the building can travel from inside the building along the hole in the wall where the sensor wire is pulled. Ensure this hole is sealed using silicone or spray foam.

I have a mixing controller and it shows a mixing demand but it will not open the mixing valve or ramp up the variable speed injection pump.

Mixing controllers are designed to provide boiler return protection. On the controller display, check the boiler temperature measurement in the View menu. Then enter the Adjust menu and check the BOILER MIN setting. If the measured boiler temperature is below the boiler minimum setting, the mixing controller is designed to close the mixing valve or reduce the speed of the variable speed injection pump.