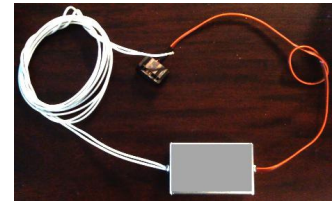

Interlock Relay

MODELS: All 4 Chamber RA and CA Models



Description:

The Interlock Relay is an optional external relay package for all four chamber RA and CA models. The input end is connected to the SEISCO circuit board and the output is a normally closed connection wired to the low voltage thermostat leads of the load intended to be controlled. The output connection opens twenty seconds after the SEISCO begins its heating cycle. This 20 second delay avoids most “nuisance” hot water draws including hand washing, high efficiency appliance rinse cycles, or meal preparation. The interlock is also programmed with a 3 minute cycle delay engineered to prevent stress on low end AC equipment by ensuring the required 5 minute delay between cycles. When installed correctly, the relay will open this circuit and prevent the desired electrical load from operating while the SEISCO is heating.

The purpose of the Interlock Relay is to ensure that the controlled load does not operate simultaneously with the SEISCO, avoiding any potential electrical overload of the electrical panel and ensuring the SEISCO can be installed without an expensive upgrade in electrical service with little or no lifestyle impact on the homeowner.

Applications:

The Interlock Relay package should be used in applications where it is determined that the addition of a SEISCO to the electric service panel would risk overload without an expensive upgrade of electrical service. Typical applications include: baseboard strip heat, resistance heat elements in an electric or heat pump furnace, and air conditioning compressors. It can be used to delay or interrupt the operation of any electrical appliance controlled by a thermostat or contact closure, including another SEISCO unit.

How to Order:

The interlock feature was included in the manufacture of all 4-chamber SEISCO RA, CA models and replacement circuit boards beginning in fall 2009. If the unit or board has the necessary 14 pin header at position J3, then it is already equipped with this feature. For these units, it is only necessary to order the relay.

For retrofit of older heaters (or custom programming) the circuit board must be replaced to add the interlock feature.

FOR MORE INFORMATION CALL OUR TOLL FREE TECH SUPPORT LINE AT 888.296.9293 OR EMAIL TECHNICAL@SEISCO.COM