



TECHNICAL BULLETIN

OVERVIEW:

The Model TM5005 solid state timer is designed to provide commercial water heating systems a 5 minute rest period for every 50 minutes of system operation. In a service water heating system, a large storage water tank provides a buffer volume of hot water to respond to variable hot water demands, while the timer provides a rest period for the ground to recover heat.

For air and hydronic residential systems, that buffer does not exist when the system is running continuously. For example, the heat loss from the building continues while the system is resting and when the system turns on again, it must make up for the heat lost during the rest period. This aggravates rather than relieves the situation.

ACTIONS BY INSTALLERS AND SERVICE TECHNICIANS:

The TM5005 timer is not recommended for use in an EarthLinked air or hydronic space heating and/or cooling system.

Analyze systems that have long continuous run times to determine if the situation is caused by improper (1) system sizing, (2) supplemental heat sizing, or (3) balance point control setting. The TM5005 timer is not an acceptable method for resolving these issues.

CONTACT:

For further assistance, call ETI Technical Support at 1-863-701-0096.