



**TRANE®**

## Service Alert

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# MEG OHM Testing

**Disconnect any AFD or Solid State type Starters prior to testing the motor.**

Order Number: CTV-SVA20A-EN

DATE: May 12, 2005

### Introduction

The purpose of this service alert is to clarify Meg Ohm testing of chiller motors on applications which incorporate solid state electronic devices.

DO NOT Apply Megohm test to the ELECTRONIC DEVICES such as ROCKWELL adjustable frequency drives, or, CUTLER HAMMER Solid State Intelligent technology (IT) Starters.

NOTICE: Warnings and Cautions appear at appropriate sections throughout this literature. Read these carefully.

**⚠ WARNING:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**⚠ CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

**CAUTION:** Indicates a situation that may result in equipment or property-damage only accidents.

### **CAUTION EQUIPMENT DAMAGE!**

**Improper application of Megohm test equipment can result in electronic starter component damage, and subsequent equipment failure or malfunction. DO NOT Apply Megohm test to the ELECTRONIC DEVICES.**

Electronic devices utilized in Adjustable Frequency Drives (AFDA, AFDB, AFDC, AFDD, AFDE, AFDF) and Solid State Starters like the Cutler Hammer Intelligent Technology (IT) starter must used in TRANE CTV starters must not be exposed to field test equipment such as Meggers, Or hypots.

**⚠ WARNING**  
**Hazardous Voltage!**

Disconnect all electric power, including remote disconnects before servicing. Follow proper lockout/tagout procedures to ensure the power cannot be inadvertently energized. Failure to disconnect power before servicing could result in death or serious injury.

## Discussion

When Megohm testing a Chiller motor on an application with an Electronic type starter you must first disconnect the motor from the starter. Only the motor should be tested with the meg-ohm tester.

DO NOT MEG OHM TEST THE STARTER.

Refer to CTV -SB-61B Centravac Motor Insulation Testing.

## Questions

For general questions contact the CTV Technical Service department in La Crosse at 608-787-3943 or e-mail at [TechService@trane.com](mailto:TechService@trane.com).



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For more information contact your local district office or e-mail us at [comfort@trane.com](mailto:comfort@trane.com)

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