



## TECHNICAL BULLETIN

### OVERVIEW:

When EarthLinked® compressor units and hydronic water modules are applied to radiant panel hydronic heating and/or chilled water cooling systems, the system must be protected from potential damage from freeze-up by utilizing anti-freeze solution in the water circulation system.

### MODELS AFFECTED:

SCW, HCW and HWW Series compressor units and HWM hydronic water modules are to be protected by utilizing anti-freeze solution in the water circulating system.

### ACTIONS BY ETI:

1. ETI currently specifies the use of propylene glycol anti-freeze solution for protecting radiant panel hydronic heating and chilled water cooling systems in the Heating and Cooling System **Specification Guide** and **Installation** manuals. Freeze protection information from the manuals is as follows:

<u>Min. Ambient Temperature, °F</u>	<u>Propylene-Glycol, %</u>
+18	20
+ 8	30
- 7	40
-29	50

Consult the manuals noted for further details concerning the determination of appropriate flow rates for the propylene glycol mixtures listed above.

2. A warning label will be added to the cabinets of all SCW, HCW and HWW compressor units and all HWM hydronic water modules stating the field installation requirement to freeze protect the water circulating system with anti-freeze solution.

**ACTION BY SPECIFIERS, INSTALLERS AND OPERATORS:**

Adequate field-provided anti-freeze protection shall be added to the water circulating systems for all EarthLinked® products specified for use in radiant panel hydronic heating and/or chilled water cooling systems, prior to system start-up.

**WARRANTY:**

Not using adequate anti-freeze protection in EarthLinked® products applied to radiant panel hydronic heating and/or chilled water cooling, will void the EarthLinked® Limited Warranty for Heating and Cooling Systems.

**CONTACT:**

Call ETI Technical Support at 863-701-0096.