

Title: **32MP CONTROL PANEL GROUNDING**

Number: C8912
Date: 10/30/89
Supersedes: NEW
Date:

Models Affected: All with 32MP Controls

Purpose:

The purpose of this bulletin is to advise that it is important to carefully follow applicable electrical codes and chiller insulation instructions regarding grounding of the compressor motor and control panel.

Background:

It has come to our attention that some electrical contractors are not installing individual ground wires to the compressor motor and to the control panel. They are relying on the mechanical connections between the control panel, motor terminal box, and the chiller and its piping to provide ground and are ignoring the grounding lugs that are provided.

Microprocessor controls can be sensitive to differences in ground voltage levels that can result with grounding loops and may not operate reliably unless connected to a single point earth or grid ground.

Recommendations:

Start-up and service personnel should verify that the compressor motor and control panel grounds are properly and individually connected back to the earth ground in the starter or to the same ground to which the starter is connected. The devices must not be "daisy chained"; that is, connected from one to the other and then to the starter.

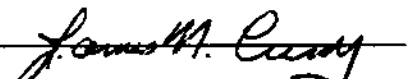
FILE INSTRUCTIONS: INSTALLATION-START-UP-OPERATION

MAIL KEYS: 2.33B, 2.33D, 2.40B, 2.45, 2.53, 5.14A, and 5.14B

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