

EC-130 ENVIRONMENTAL CONTROL
INSTALLATION AND OPERATIONS MANUAL

Revision 1.0 10/88

EC-130 INSTALLATION GUIDE

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I. INTRODUCTION

The EC-130 is a microprocessor-based environmental control panel, specifically designed to handle the unusual environmental requirements of supermarkets. These requirements include more than simply the comforts of the shopping public, but also involve regulation of the temperature and humidity to ensure the efficient operation of the refrigerated food storage cases.

The EC-130 is available in two (2) configurations. The basic "A" System is used when a single zone HVAC unit is utilized. The optional "B" System is used when two (2) separate central HVAC units are employed. Both systems, A and B, are capable of controlling up to four (4) stages of air conditioning, three (3) stages of heat reclaim, three (3) stages of auxiliary heat, one fan, and one independent humidification stage.

In addition to controlling central systems, the output relay board of the basic EC-130A unit is equipped with four (4) satellite system control outputs; the optional EC-130B configuration can control an additional four (4) satellites, for a potential total of eight (8) such control outputs. These satellite system outputs may be used to control loading dock unit heater, vestibule heaters or small heating and air conditioning units used in office areas. Time of Day Control is also available for each satellite instead of temperature control.

The EC-130 is capable of remote communication via the COM-99 only. The COM-88 will not support communication due to the new templateing being used. The communication to the EC-130 must be done in conjunction with the EILCOM software package.