



E7 Series Electronic Freezer Controls



The new E7 Series electronic freezer control designed by Invensys Appliance Controls opens new design possibilities for the appliance OEM.

The E7 Series is available in versions from low cost to high end. New functionality and flexibility can be ideally adapted to fit many applications. The E7 Series is available in a standard snap in housing, designed for ease of assembly.

Design Features

- Microprocessor based
- Adaptive defrost
- Digital temperature display
- Super frost function
- Compressor delay
- Temperature and door alarm
- Control parameters programmable by "SETT" software
- Self test mode

Specifications

- 230 VAC 50/60 HZ
- Energy consumption < 2 w/hr
- Storage temperature
-30°C to +80°C
- Operating temperature
0°C to +55°C
- Compressor types
PTC or Start Relay
- Compressor Load
10A in-rush current
1.5A normal current
- 300,000 minicycles

E7 Series-Electronic Freezer Control Models

	E71- H1050	E71- H1000	E73- H1000	E71- H2000	E73- H2000	E71- H4000	E73- H4000	E71- H5000	E73- H5000
Basic Functions Temperature control Over temperature alarm (flashing red LED) Super-frost with auto-cancel (yellow LED) Compressor start delay Lamp disabled when control off Self-test functions	•	•	•	•	•	•	•	•	•
Setting and parameters in E ² PROM		•	•	•	•	•	•	•	•
Acoustic temp. alarm with buzzer cancel		•	•	•	•	•	•		
Acoustic door alarm with buzzer cancel switch				•	•	•	•	•	•
“Unsafe temperature” warning								•	•
Rotary temperature adjustment (pot)	•	•	•	•	•				
Push button temperature select (norm., econ.)						•	•		
3 Temperature select. LED's (norm., econ.)						•	•		
ON/OFF via temperature adjustment pot	•	•	•	•	•				
ON/OFF via push button (latched in E ² PROM)						•	•	•	•
Digital temperature display								•	•
Digital temperature adjustment								•	•
Fault condition message								•	•
Drain heater output								•	•
Frame heater output								•	•
Adaptive defrost cycle			•		•		•		•

Digital Display

EP4-H1000 measures and displays freezer and refrigerator compartment temperatures as stand alone version or in combination with E71/E73-H2000 control.