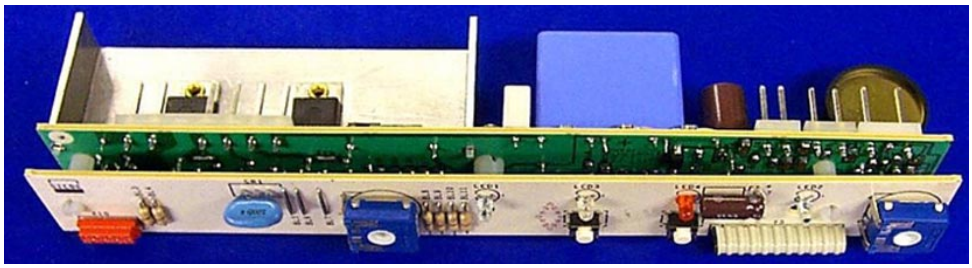
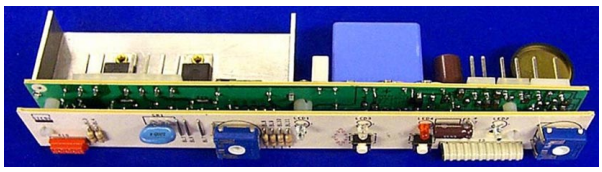
E72 - Electronic Control



E72 - CONTROL FOR 2 COMPRESSOR FRIDGE/FREEZERS



DESCRIPTION

The E72 electronic control is a microprocessor operated temperature control specifically developed for combination fridge/freezer appliances with separate cooling circuits for fridge and freezer compartments.
In its standard execution, the E72 integrates two thermostat functions, two operating lamps, fast-freeze selector/indicator and a temperature alarm lamp onto one compact PCB. This integration of functions together with intelligent built-in test features reduces assembly and test time for the OEM leading to system cost savings. The wide variety of optional functions and features available provides a series of controls meeting the most basic to the most complex requirements offering unrivalled product differentiation opportunities.

STANDARD FEATURES

- Individual temperature control of fridge and freezer compartments
- Rotary temperature adjustment
- Fast-Freeze with automatic cancel
- Over-temperature alarm
- Indicator lamps: - green (2) on/off
  - yellow fast freeze
  - red alarm
- Automatic refrigerator defrost
- Compressor start delay
- Built-in test routine
- Sensor fault recognition and indication.

OPTIONAL FEATURES

- Acoustic door-ajar alarm
- Acoustic temperature alarm with cancel feature
- Automatic refrigerator defrost with optimal cycle frequency & low and high ambient temperature compensation via the ECO-TEMP™ software
- Compressor with bistable change-over valve
- Connection to EP4 remote temperature display
- Suitability for HC appliances
- On-board EEPROM for parameter storage, enabling settings and parameters to be changed during manufacture

DESIGN FEATURES

- Accurate and stable temperature control with narrow switching differentials possible
- Integration of functions and indicators in one compact control
- Interface to Siebe SETT system for easy customisation of control settings and options
- Simple installation in the top panel of the appliance
- Designed for use with Siebe L66 Temperature Sensors.
- Complies with EN 60335, EN 60730 and the European EMC directives.

SPECIFICATION

• Supply voltage range:	230 V~
• Frequency:	50 Hz
• Self consumption:	< 1,5 W
• Operating temperature:	-10 °C to 40 °C
• Storage temperature:	-30 °C to 60 °C
• Compressor:	10 A in-rush (14s max)
(PTC or Start Relay)	1.5 A nominal (pf>0.4)
• Settings:	programmable.

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