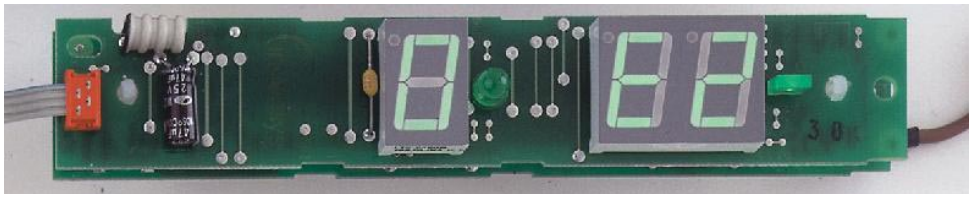
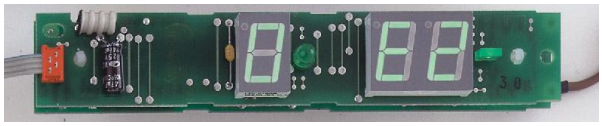
EP4 – Electronic Control



EP4 - DIGITAL TEMPERATURE DISPLAY FOR REFRIGERATOR AND FREEZER CONTROLS



DESCRIPTION
The EP4 is a flash-microprocessor controlled digital temperature display module specifically developed to display food compartment temperature for refrigerator and freezer appliances.
This compact unit can operate as a stand-alone module or in conjunction with Invensys family of electronic thermostats (E71, E72, E73 etc.).
It is designed to use our L66 family of temperature sensors connected either to the EP4 or to the electronic thermostat.

STANDARD FEATURES
• 14 mm 7-segment LED displays, available in red or green
• Separately controlled LEDs for + and - signs
• Temperature offset individually adjustable for refrigerator and freezer displays
• Display stabilisation in software with factory adjustable filter times
• Sensor monitoring and error code display.

OPTIONAL FEATURES
• Acoustic over-temperature alarm
• Acoustic door-ajar alarm with push-button cancel.

DESIGN FEATURES
• Compact size, designed for simple mounting in the top panel of the appliance
• Accuracy of ± 0.3 K, when used in conjunction with Siebe L66 temperature sensors
• Available as stand-alone module or in conjunction with Siebe family of electronic thermostats
• Designed to comply with EN 60335, EN 60730 and the European EMC directives.

DISPLAY RANGE
Refrigerator: 0°C to +9°C
Freezer: 0°C to -39°C
Offset: ± 5K in 1K steps
Outside the temperature ranges the centre bar of display is illuminated.

SPECIFICATION
Supply voltage: 90 to 270 V~ - at 50 Hz
Self consumption: < 2.0 W
Operating temperature: -10°C to +40°C
Storage temperature: -30°C to +60°C.

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