

EL-CC AC Transducer

GenII AC sensor provides closed contact output.

Eltek
SPECIALIST
DATA LOGGERS

Easy to use customised data loggers

The EL-CC is a simple transducer for detecting presence or failure of the AC supply. An isolated contact is provided which indicates AC available if closed and AC absent or failed if open.

The EL-CC is intended for use with GenII Event transmitters types GC-60, GD-24 (after serial number 13738) and GD-34 (after serial number 13773).

Types GD-24 (4 x thermocouple inputs) and type GD-34 (4 x thermistor inputs) are equipped with a new range: State, in addition to the temperature ranges.

For transmitters with a display (GD-24 and GD-34), 0 indicates mains is available and 1 indicates mains not available, the fault condition.

This state change can be detected and interpreted by the logger as an alarm condition, so that the logger alarm relay will provide a contact closure or send SMS alarm message if a GSM modem is connected.



Application

Example Application

A user needs to know if power is interrupted to a freezer before the temperature changes puts the contents at risk. The EL-CC therefore avoids the use of a separate transmitter for this purpose and can save costs.

The EL-CC can also be used with transmitters reporting to any receiver logger e.g. RX250AL, RX250ALD, SC250 or WSR (Wireless Sensor Receiver) or RC250 receiver with serial output.

The transducer comprises a high quality 5V power supply with regional adaptor and 2M lead to a potted relay providing the contact closure when the 5VDC is applied.

A bright yellow LED indicates power is on.

A 1M PVC lead is supplied unterminated. The lead can be made off to the spare connector of the various transmitters indicated above.

When used with GD24 a mini thermocouple plug will be required to terminate the EL-CC lead.

The power supply is suitable for operation AC100/230V 43 to 60Hz. Power consumption is approximately 1W.