

EC Temperature Controller



This simple, low cost, credit card sized controller provides closed loop, temperature sensitive speed control for the full range of ebm-papst EC fans. Its patented design connects to the 10VDC output from the EC fan motor and requires no additional power supply.

The controller regulates fan speed between 0% and 100% against a pre-programmed temperature profile and also incorporates a combined fan fail, sensor fail and over-temperature alarm. Under alarm conditions the controller fails safe to demand maximum fan speed.

Part Number	Temperature Profile	Supply Voltage	Ambient temperature	IP Rating	Max Humidity	Width	Height	Depth
	°C	VDC	°C		%RH	mm	mm	mm
CEC102040MC-000	20-40	10	-20...+75	20	90	45	56.5	8
CEC102245UC-000	22-45	10	-20...+75	20	90	45	56.5	8
CEC103555MC-000	35-55	10	-20...+75	20	90	45	56.5	8

- Temperature sensitive speed control
- Alarm output
 - Fan failure
 - Over-temperature
 - Sensor failure
- Customised temperature profiles available on request
- Rugged over-moulded construction
- Significantly reduces energy consumption

