

DCP Temperature Controller



The DCP temperature controller provides closed loop, temperature sensitive speed control for ebm-papst 4-wire PWM controlled DC fans. The controller voltage is matched to the fan so that with its very low power consumption, there is no need for a separate, dedicated 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.

Part Number	Temperature Profile	Supply Voltage	Ambient temperature	Max Humidity	Width	Height	Depth
	°C	VDC	°C	% RH	mm	mm	mm
CPC122040SC-000	20-40	12	-20...+75	90	45	56.5	8
CPC242040SC-000	20-40	24	-20...+75	90	45	56.5	8
CPC482040SC-000	20-40	48	-20...+75	90	45	56.5	8
CPC123555SC-000	35-55	12	-20...+75	90	45	56.5	8
CPC243555SC-000	35-55	24	-20...+75	90	45	56.5	8
CPC483555SC-000	35-55	48	-20...+75	90	45	56.5	8

- Temperature sensitive speed control
- Alarm output
 - Fan failure
 - Over-temperature
 - Sensor failure
- Consumes <1mA
- Customised temperature profiles available on request
- Rugged over-moulded construction
- Significantly reduces energy consumption
- Supplied with 2m NTC temperature sensor

