

## **DC** Temperature Controller

The DC temperature controller provides closed loop, temperature sensitive speed control for ebm-papst 2-wire and 3-wire DC fans. The controller regulates the electrical power supplied to the fan to maintain optimum performance and reliability.

The controller regulates fan speed between 0% and 100% against the selected temperature profile and also incorporates a combined fan fail, sensor fail and over-temperature alarm.

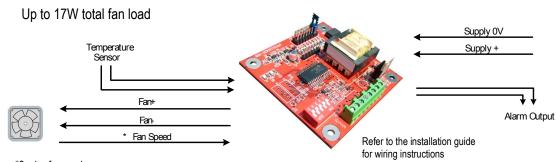
**Note:** Due to the variations in motor electronics, a small number of mainly high speed fans may not work correctly with this controller.

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Temperature °C

Part Number	ိ Temperature Profile	Supply Voltage	ငံ Ambient Temperature	Max Humidity	Alarm Output	ww	mm Length	mm Height
CDC122055UC-000	20-40 / 35-55	12	-20 to +75	95	Open Collector	72.4	71.1	35
CDC122055UR-000	20-40 / 35-55	12	-20 to +75	95	Relay	72.4	71.1	35
CDC242055UC-000	20-40 / 35-55	24	-20 to +75	95	Open Collector	72.4	71.1	35
CDC242055UR-000	20-40 / 35-55	24	-20 to +75	95	Relay	72.4	71.1	35
CDC482055UC-000	20-40 / 35-55	48	-20 to +75	95	Open Collector	72.4	71.1	35
CDC482055UR-000	20-40 / 35-55	48	-20 to +75	95	Relay	72.4	71.1	35

- DIP- switch selection for:
  - Temperature profile
  - Minimum fan speed
  - Soft start
- Alarm output
  - Fan failure\*
  - Over-temperature
  - Sensor failure
- Supplied complete with 2m NTC temperature sensor







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