INSTALLATION AND OPERATING INSTRUCTIONS
TEMPERATURE CONTROLLER ATCP4

The ATCP4 is a low cost temperature controller that automatically adjusts the speed of the fan in relation to the difference between the temperature setpoint and the actual temperature.

The required temperature setpoint is selected using the dial on the controller and the fan will increase in speed (from the pre-set minimum speed) when the temperature rises above this setpoint.

The ATCP4 can be supplied with a bead temperature sensor on a flying lead or a wall mount sensor (see table below)

Specification

Model no.	Sensor type	Electrical supply	Current Rating	Temperature range	Dimensions (H x W x D)	Mounting
ATCP4-FLS	Flying lead	230v 1Ph 50Hz	4 Amps	-5...+45°C	197mm x 147mm x 79mm	Surface
ATCP4-WMS	Wall mount	230v 1Ph 50Hz	4 Amps	-5...+45°C	197mm x 147mm x 79mm	Surface

ATCP4 connections
- Electrical supply: 230v 1Ph 50Hz
- Fan: 230v 1Ph 50Hz
- Temperature sensor

ATCP4 features
- 12vdc isolated supply to sensor
- Maintained 230v output for 3 wire control
- Onboard 32mm 6.3A fuse
- Min & Max level adjustment via pre-set trimmers
- On/Off illuminated rocker switch

Installation
1. Check that the controller supplied can safely control the size of the fans.
2. Remove front cover by unscrewing the fascia fixing screws.
This provides access to mounting holes and electrical terminals
3.. Install in a dry sheltered position. Do not install in close proximity to a heat source.
4. All wiring and control equipment MUST comply with current applicable regulations, in particular IEE552-01-02/03.
5. Earth connections to be made where applicable

Operation
The ATCP4 will automatically adjust the speed of the fan to maintain temperature setpoint

Temperature setpoint
Adjust the setpoint (Temperature you wish to maintain) using the graduated (-5...+45°C) dial on the fascia

P band (Pre-set and adjustment not normally required)
The P band is the degree of change in fan speed in relation to the change in temperature
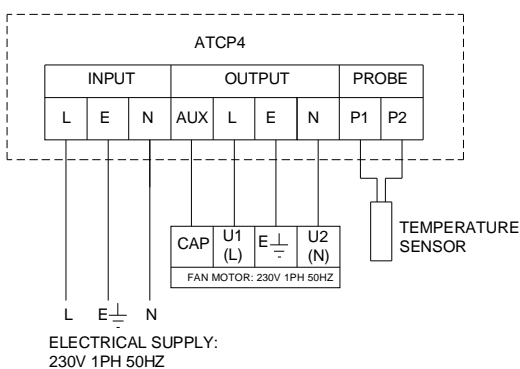If the P band requires adjusting this is done using Pre-set VR2

Minimum & Maximum pre-sets
The minimum and maximum fan speed can be adjusted using pre-sets VR3 & VR4 respectively

Sensor
The electrical supply to the sensor is a 12vdc isolated supply. The cable run to the sensor should not exceed 50 metres

Wiring diagram

Output connections from controller to fan motor
Aux: Maintained live to 1 side of motor capacitor ONLY.
L: Controlled live to motor
E: Earth to fan
N: Neutral to fan

If fan motor is 2 wire omit connection Aux-cap

If in doubt seek fan manufacturers advice.