

INSTALLATION AND OPERATING INSTRUCTIONS

FOR AUTO TRANSFORMER FAN SPEED CONTROLLERS ATCTK RANGE

Specification

Model no.	Electrical Supply	Rating	Circuit board mcb	Dimensions (H x W x D)	Mounting
ATC1-2TK	230v 1Ph 50Hz	2 Amps	3 Amp	200mm x 162mm x 100mm	Surface
ATC1-4TK	230v 1Ph 50Hz	4 Amps	5 Amp	238mm x 190mm x 110mm	Surface
ATC1-8TK	230v 1Ph 50Hz	8 Amps	10 Amp	310mm x 230mm x 128mm	Surface
ATC1-10TK	230v 1Ph 50Hz	10 Amps	12 Amp	310mm x 230mm x 128mm	Surface
ATC1-12TK	230v 1Ph 50Hz	12 Amps	20 Amp	310mm x 230mm x 128mm	Surface

Installation

Check that the speed controller supplied is compatible with the fan motor.

Install in a dry sheltered position. Do not install in close proximity to a heat source. Allow 150mm of free space around the controllers ventilation grilles for airflow.

All wiring must be carried out by a suitably qualified and competent person and comply with current applicable regulations.

Operation

For fan motors fitted with thermal contacts (TK): wiring diagram 1

When the electrical supply is connected to the fan speed controller the POWER lamp will illuminate. If the circuit breaker within the fan speed controller has tripped (press to reset) the POWER lamp will not illuminate.

Select the desired fan speed using the 6 position (Off & 5 speeds, 1=minimum, 5=maximum) rotary switch. The TRIP lamp will illuminate.

Press the START switch. The TRIP lamp will go out and the fan will start at the selected speed.

If the fan motor overheats and the thermal contacts (wired back to TK connections) open circuit then the controller will trip I.E the fan will stop and the TRIP lamp will illuminate.

The cause of the tripping should be investigated prior to re-starting the fan. The fan can be re-started (once the thermal contacts reset) by pressing the START switch.

For fan motors without thermal contacts (TK): wiring diagram 2

When using fan motors without thermal contacts ensure the connections TK in the fan speed controller are linked together

When the electrical supply is connected to the fan speed controller the POWER lamp will illuminate. If the circuit breaker within the fan speed controller has tripped (press to reset) the POWER lamp will not illuminate.

Select the desired fan speed using the 6 position (Off & 5 speeds, 1=minimum, 5=maximum) rotary switch. The TRIP lamp will illuminate

Press the START switch. The TRIP lamp will go out and the fan will start at the selected speed.

Diagram 1

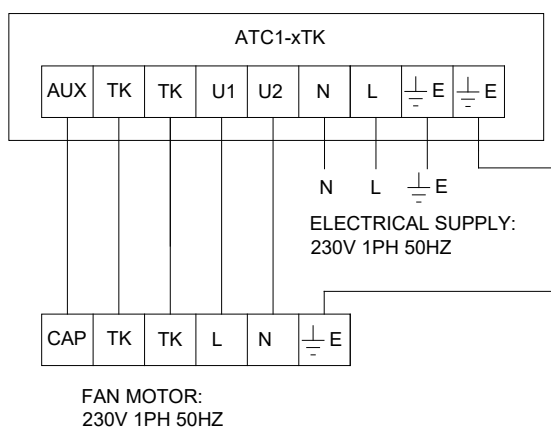
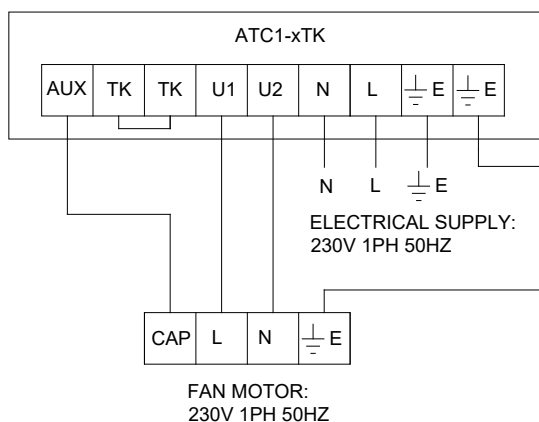


Diagram 2



NOTE

Connections from controller to fan motor

U1: Controlled (variable) live out to fan motor

U2: Neutral out to fan motor

AUX: Maintained live (230v) to fan motor capacitor

IF IN DOUBT WHETHER FAN MOTOR IS TO BE WIRED FOR 2 OR 3 WIRE CONTROL CONSULT FAN MANUFACTURER

If fan motor is 2 wire control omit connection between AUX and fan motor capacitor

if in doubt seek fan manufacturers advice