



Fan Speed Controller with Auto Switch-off.

Operating time: 2 hours

Cat XL650ET - with Excel plate

Cat 650ET - with Standard plate

Cat 650ET1 - with Standard plate and reduced maximum speed

Specification (at 25°C)

Supply voltage:	240Vac, 50Hz
Maximum load:	650VA, 2.7A
Minimum load:	60VA
Operating time:	2 hours (approx. Adjustable \pm 20%)
Restarting:	Switch 'off' for approx. 5 seconds, then 'on'
Approval No.:	CS6492N



Features:

The HPM XL650ET, 650ET and 650ET1 Timed Fan Speed Controllers are intended for use where energy management is a priority such as in public buildings, schools, halls and also at home.

They are fitted with suppressors to reduce the level of radio frequency interference generated, and are fully EMC compliant.

The 650ET1 has a reduced maximum speed feature to satisfy Department of Public Works specifications. The controller limits the maximum speed of the fan to between 80-85% of its true capacity.

All models are fitted with a captivated knob that cannot be removed from the front. Also, the switch mechanism and controller are both fixed to the plate with retaining screws, preventing them from being pushed out of the plate.

Operation:

The HPM 650ET series Fan Speed Controller will control as many ceiling sweep fans simultaneously as its loading allows (650VA). However, if different types of fans are mixed, they may not all operate at the same speed.

The fans are always under the control of the timer. After 2 hours (approx.) of running time it will switch the fans off. To restart the fan speed controller, the switch should be turned off for 5 seconds and then on again. To turn the fans off just switch off. When running, the speed of the fan can be set by adjustment of the knob.

Wiring:

The 650ET mechanism and the associated switch is wired in series with the load, on the active side of the circuit (See Fig.1)

The active wire is placed in terminal '1' of the switch, the red wire of the 650ET mechanism is placed in the common terminal 'C' of the switch and the white wire of the 650ET mechanism is looped with the switched active to the fans in the loop terminal of the switch. (See Fig. 2)

The 650ET series has been factory preset so that most fans will start at the minimum setting. However, the minimum setting can be adjusted by removing the 'Min Adjust' label on the back of the unit and adjusting the potentiometer with a small screwdriver.

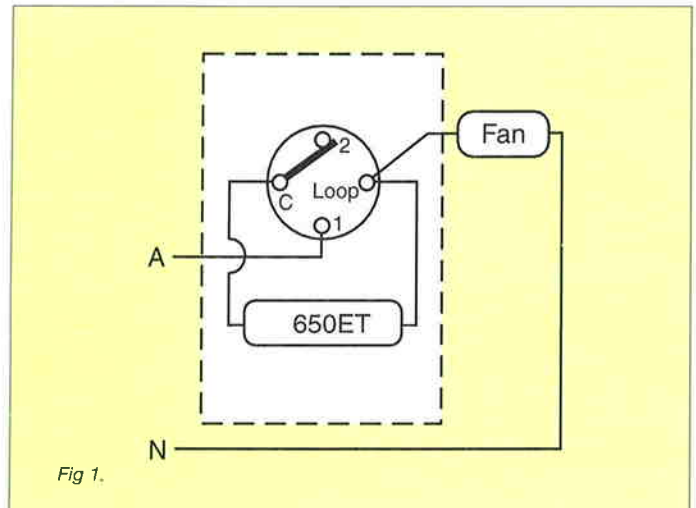


Fig 1.

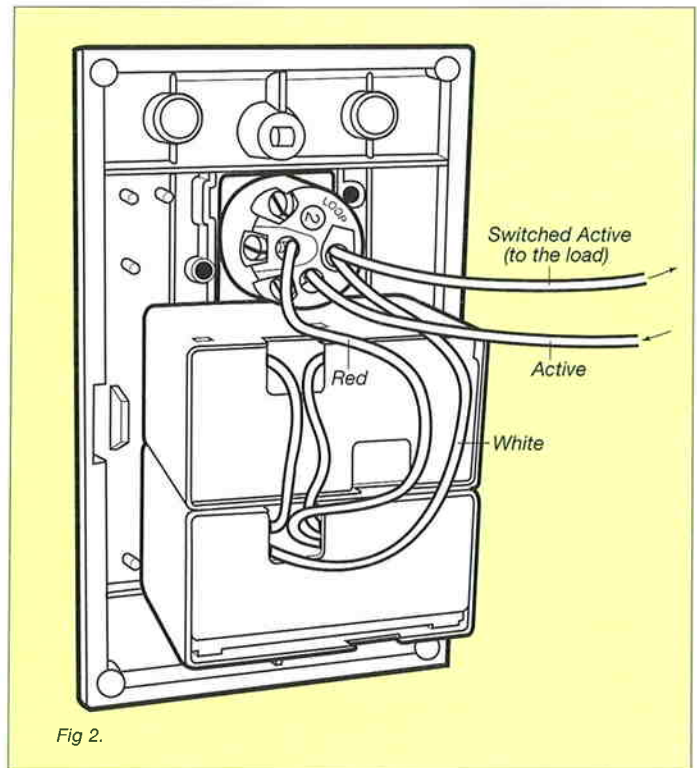


Fig 2.

Warranty

HPM Cat XL650ET, 650ET, and 650ET1 are warranted as here and after appears, against faulty material and/or workmanship for a period of one year from date of purchase.

The obligation of the manufacturer, under this warranty, is limited to servicing and replacing defective parts when the unit is returned to HPM Industries, or the distributors in your state, freight pre-paid.

This warranty becomes void on any unit which has been tampered with or damaged by accident, short circuited, loaded beyond rating or damaged otherwise by improper operation.

The warranty is also conditional on the unit being fitted to a genuine HPM switchplate and being installed by a licensed electrical contractor.

All other warranties, whether expressed or implied, and whether arising by operation of law or otherwise are hereby excluded.

HPM Industries Pty. Ltd.

**WARNING: DO NOT SET THE MINIMUM
ADJUSTMENT WHILE THE POWER IS ON.**