



# Installation and Maintenance Instructions

## HSP3 Three Speed Controller

**THESE INSTRUCTIONS MUST BE READ FULLY BEFORE COMMENCING INSTALLATION**

Code	Supply	Max. Peak Current	H x W	Mounting
HSP3	230V/1Ph/50Hz	15 Amps	87 x 87 mm	Single gang box

### DESCRIPTION

Three speed fan controller suitable for use with single phase units.

### INSTALLATION

All electrical installation must be carried out by suitably qualified and competent personnel in accordance with all current statutory requirements.

Check the details on the motor rating plate to ensure that the correct power supply (voltage, frequency and phase) is available. An incorrect power supply will lead to permanent damage of the unit.

Check that the number, size and speed of the fan(s) can safely be controlled by the controller supplied.

Connections are provided for one (1) fan outlet. If more than one fan is to be controlled then a correctly wired external junction box should be used.

The controller is designed to fit a standard pattress box (by others) and is supplied with fixing screws.

Install in a dry sheltered position. Do not install in close proximity to a heat source or in areas of high humidity. The maximum ambient temperature for the controller must not exceed 40° C (104° F).

**WARNING! The controller must be isolated from the power supply during installation and maintenance.**

Remove the front cover of the controller by unscrewing the cover fixing screws. This provides access to mounting holes and electrical terminals.

The controller must be connected to a suitably rated fused spur.

### WIRING

Select the correct wiring diagram for the fan and controller supplied. All wiring and control equipment MUST comply with the latest IEE regulations, in particular 552-01-02/03.

In the event that the wiring connections for the fan supplied do not correspond to diagrams shown, please refer to the fan instructions or contact HYDOR for further assistance.

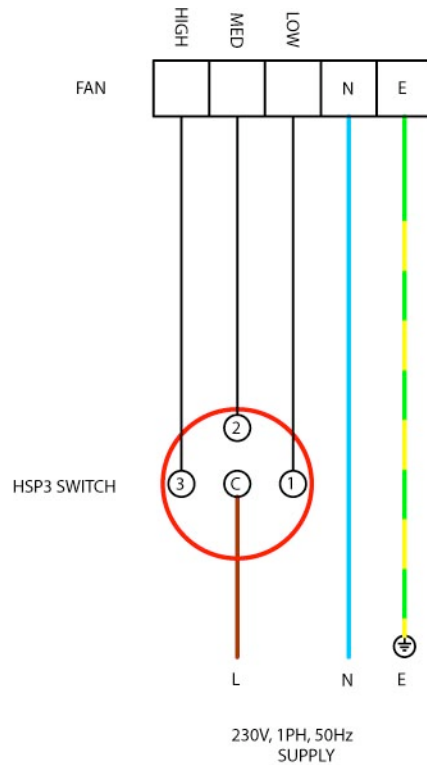
### OPERATION

Switch on the controller by operating the rotary switch with 0 being the OFF position. Select the fan speed by rotating the switch clockwise to position 1 LOW speed, 2 MED speed and 3 HIGH speed.

### GUARANTEE

HYDOR will, free of charge, within a period of 1 year from the date of despatch from their works, repair or at its option replace any goods which are proved to have defects as a result of defective materials or workmanship. The goods MUST be returned to HYDOR carriage paid for examination.

## WIRING



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**HYDOR or its agents will, within a period of 1 year from the date of dispatch from their works, repair or, at its option, replace any goods, which are proven to have defects as a result of defective materials or workmanship. The goods MUST be returned to HYDOR, carriage paid, for examination.**

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