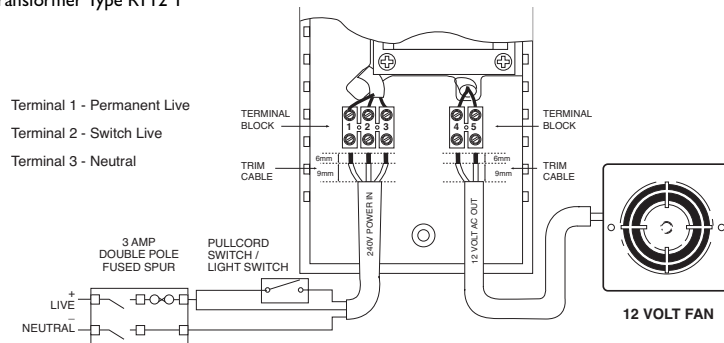


Diagram 4

Wiring Instructions to T2

Timer or humidity unit which is operated by a remote pullcord switch or light switch.

Transformer Type RT12 T



Ideal settings are:

Timer set to about 10 minutes


Humidity set to about 75-80% RH.

In new buildings the fan will probably run for prolonged periods or even several days. It may be necessary to increase humidity setting to about 90% until the building has dried out.

Note: All wiring must be fixed securely and the cable to the fan should be a minimum of 1.5mm² in section. All wiring must comply with current IEE regulations.

A double pole fused spur having a contact separation of at least 3mm in all poles must be used and fitted with a 3 amp fuse, and must be sited outside any room containing a shower or fixed bath.

Electrical

Input: 220-240V ~50Hz 20W  Output: 12 V AC ~50Hz 35VA SELV.

IMPORTANT

Switch off mains supply before making any electrical connections.

Installation must be supervised by a qualified electrician.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

Precautions must be taken to avoid the back-flow of gases into the room from the open flue of gas or other open-fire appliances when mounted in outside windows or walls.

Fan must be disconnected from electrical power before any maintenance is carried out.

Installation Instructions for the AVX 100 LV Range 100mm (4") Low Voltage Extractor Fans and Safety Isolating Transformers

Fans can be window, wall or ceiling mounted.

All fans are of a standard type but are manufactured with 12V AC ~ 50 Hz shaded pole motors. The unique feature of this product is that the control gear and switching mechanism is mounted remotely either in the roof space or high on the wall next to the pullcord light switch. Obviously Pullcord and Humidistat versions have to be mounted inside the room where the fan is installed, but must be mounted out of reach of the person using the bath or shower.

N.B. Pullcord model Transformers not suitable for ceiling mounting.

Caution These fans must not be connected to a mains supply. Only use the AddVent type RT12 range of 12V AC ~50Hz 35 VA Safety Isolating Transformers.

For best results the extractor fan should be fitted as high on the wall as possible or if preferred on the ceiling.

- 1 Cut a 112mm (4½") min diameter hole in the wall. If the fan is to be fixed in the ceiling ensure that the hole is between the joists.
N.B. Fan to be fitted minimum 1.8 metres from the floor.
- 2 Fit 100mm (4") [internal diameter] ducting flush to the plaster.
- 3 Remove the cover from the fan by removing the two small screw caps on the front cover and remove the two retaining cross-head screws.
- 4 Hold the body of the fan against the wall or ceiling and mark the four screw holes and the cable entry.
Important: Ensure that the fan is square on wall or ceiling.
- 5 Bring power cable into position, as marked. Allow an extra 230mm (9") protruding to facilitate connection.
- 6 Connect the cable from the fan to the transformer which must be fitted at least 2 metres away from a fixed bath or shower cubicle.





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ADDVENT

Electrical

Rated: 12V AC ~50Hz 20W  

Supplied by a remote safety isolating transformer.



Type	Wiring Diagram	Installation
RT12 S T1		Standard model for remote switching
RT12 P T1		As above supplied with pullcord. Not suitable for ceiling mounting
RT12 T T2		Timer Model incorporating integral adjustable electronic timer (adjustable 1-20 mins). For remote switching
RT12 H T2		Humidity Control with built-in humidity sensor which will switch on when the humidity rises over 75% RH and will switch off as the humidity drops below 75% RH. This level can be adjusted between 50% and 90% RH.
RT12 HP T1		As above but with a pullcord override switch. <i>Not suitable for ceiling mounting.</i>

TRANSFORMERS

The RT12 Range, Safety Extra Low voltage Transformers can be mounted in the loft area (not pullcord or Humidistat models) or high on the wall or ceiling next to the pullcord light switch away from the bath or shower and designed to power 12V Low Voltage fans installed in the splash area of the bath or shower.

N.B. Pullcord models not suitable for ceiling mounting.

All Transformers come complete with pattress but can be flush mounted (protrusion 25mm). All models are fitted with a neon light.

Input: 240V ~50Hz

Output: 12V AC ~50Hz 35VA SELV.

Caution While a 12V fan may be fitted anywhere in the splash area of a bath or shower the transformer must be mounted at least 2m from a bath or shower and as high as possible as in diagram 1.

After checking that all the wiring is secure, fit the transformer on the pattress.

SPECIAL FEATURES - DIAGRAM 2

RT 12 T To adjust the timer, first remove the transformer front cover and turn the adjuster to the required time delay as indicated.

RT 12 H To adjust the electronic humidity sensor and time delay, first remove the transformer front cover and adjust as indicated.

Diagram 1

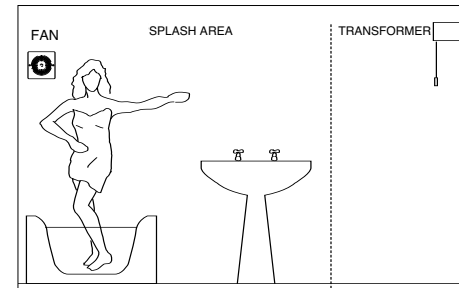


Diagram 2

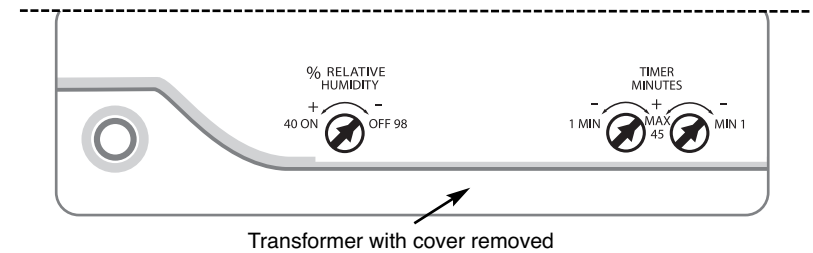


Diagram 3 Rear of Transformer with Pattress removed

Wiring Instructions to T1

- Fit pattress to the wall and connect the 240V ~50Hz supply to the terminals No2 and No3 as shown in diagram3 below.
- The cable to the fan must be at least 1.5mm² in section and is connected to terminals No 4 and No 5, as shown in diagram 3 below.

