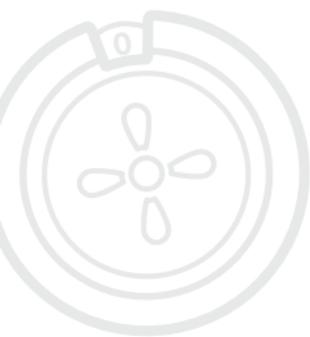


CLIPSAL[®]

by Schneider Electric



Three Speed Capacitive Fan Controller

4060CSFM

Series



CLIPSAL  **SATURN**

Installation Instructions

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1.0 Product Range

4060CSFM Fan Speed Controller, 220-240V a.c., 50Hz, 75VA (4060 Series Mechanism)

4061VF3CSF Fan Speed Controller, 220-240V a.c., 50Hz, 75VA (4000 Series Saturn)

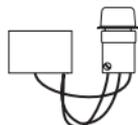
**Please note that these products are also available in other configurations and in a wide range of colours. For further information, please contact your nearest Clipsal Sales Representative.*

2.0 Description

The Clipsal 4060CSFM Series Three Speed Fan Controller is designed to provide discreet, linear speed control over small motor loads, including Clipsal's extensive range of Ceiling Sweep Fans.

The fan controller unit incorporates a three position rotary switch mechanism and a multi-tap capacitor block. This method of control overcomes the motor 'growl' (or buzzing noises) often emitted from fans controlled by other electronic (phase control) speed setters and ensures quiet operation of the fan motor.

The 4060CSFM Series fan controller is suitable for use in any new installation, but is also retro-fittable, and may be used to replace an existing standard controller switch in any existing installation. This includes many older style 'choke controllers'.



4060CSFM
FAN MECHANISM



4061VF3CSF
4000 SERIES
SATURN PLATE

3.0 Features

- Three speed rotary fan controller
- Multi-tap capacitive attenuation block
- Three linear speed settings (Lo, Med, Hi)
- 75VA Rating
- Horizontal or vertical mounting options
- Suitable for use with ceiling sweep fans (split phase induction motors)
- Suitable for use with exhaust fans (shaded pole induction motors)
- Complies with Australian and International EMC Standards.

SWITCH POSITION	1	2	3
SPEED SETTING	Lo	Med	Hi

4.0 Load Compatibility

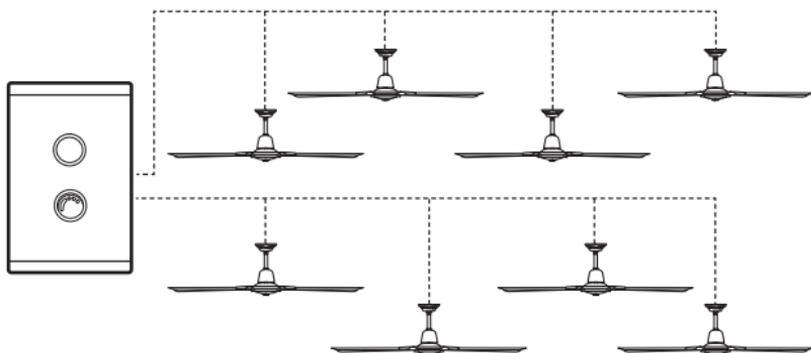
4.1 Controlling a Single Fan

The 4060CSFM Series Three Speed Fan Controller may be used to operate a single Airflow Ceiling Sweep Fan.



4.2 Multiple Fans on a Single Controller

Where multiple fans are required to be operated from a single speed controller, a Clipsal C-Thru® Universal Dimmer (sold separately) must be used.



You can control up to eight Airflow Ceiling Sweep Fans using a Saturn Series Clipsal C-Thru® Universal Dimmer (catalogue number 4062E450UDM).

Note: The 3 speed fan controller supplied with each fan is not suitable for controlling multiple fans. Failure to comply with this instruction will void any warranty associated with the product.

5.0 Important Warning

DANGER

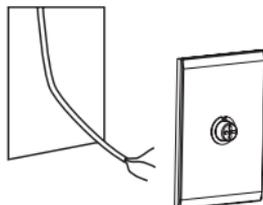
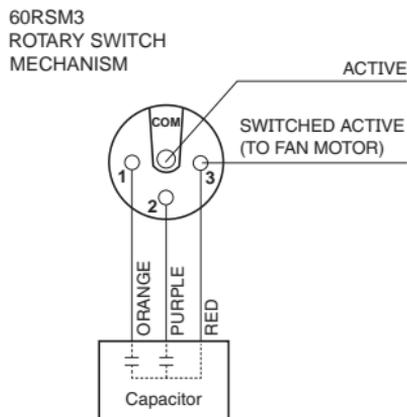
HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- This product must only be installed and serviced by appropriately qualified and/or licenced electrical personnel.
- Isolate the electrical supply before doing any work on this product.
- Ensure that the product has been correctly installed and tested for safe operation before reconnecting the electrical supply.

Failure to follow these instructions will result in death or serious injury.

6.0 Installation Instructions

6.1 Connecting the Speed Controller



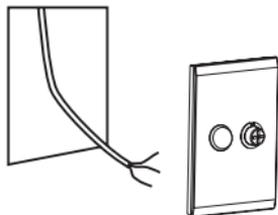
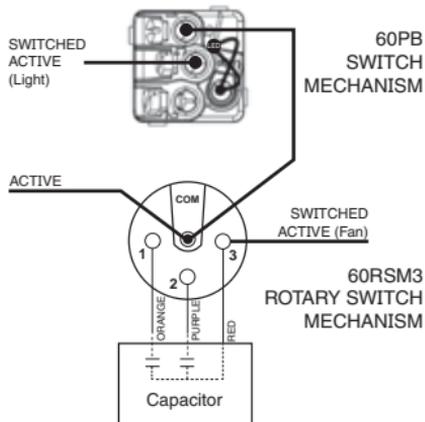
6.2 Mounting the Controller (Fan Only)

1. Remove the Control Knob.
2. Remove Saturn fascia.
3. Orient Rotary Switch Mechanism in plate as required to suit Vertical or Horizontal Plate Mounting (refer to Mounting Orientation). "0" (OFF) should be at the top.
4. Terminate cables as shown. Connect:
 - Active feed to Common Terminal
 - Switched Active / Fan to Terminal 3.
5. Fix capacitor block to Saturn plate.
6. Fix plate to wall.
7. Fit fascia. Ensure that the appropriate number ring is installed (refer to Mounting Orientation). "0" (OFF) should be at the top.
8. Fit control knob.
9. Apply power to circuit.
10. Test fan operation.

6.3 Unit Operation

Turn the knob to Speed 3 (Hi). This will start the fan spinning. Once the fan is spinning then you can select a lower speed if desired.

6.4 Connecting the Speed Controller with a Light Switch



Requires additional components (supplied separately):

- 60PB Switch Mechanism.
- Saturn Two Gang Grid Plate. Connect as shown in the diagram.

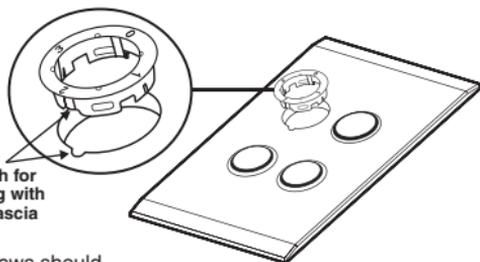
6.5 Mounting Orientation

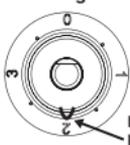
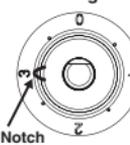
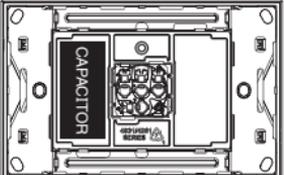
The Saturn Series Fan Controller can be mounted either vertically or horizontally to suit your application. The rotary switch mechanism and the number ring will need to be set up accordingly.

Orient the 60RSM3. Rotate the rotary switch mechanism with respect to the plate as shown in the diagrams below. Note that the terminal screws should be accessible from the top, in order to ensure that the OFF position of the speed controller is at the top when the plate is installed. Remove the mech and rotate through 90° if required.

Select the corresponding number ring to suit your application, and fit to the Saturn fascia.

Note:
The number ring has a notch that must be aligned to the notch in the fascia. OFF ("0") should be located at the top of the plate when installed.



EXAMPLE: Vertical Mount	EXAMPLE: Horizontal Mount
<p>Vertical Number Ring</p>  <p>The OFF speed setting should always be located at the TOP POSITION of the knob as illustrated (where 0 is).</p> 	<p>Horizontal Number Ring</p>  <p>The OFF speed setting should always be located at the TOP POSITION of the knob as illustrated (where 0 is).</p> 

7.0 Compatible Airflow Ceiling Sweep Fans

All Clipsal Ceiling Sweep Fans are compatible with the 4060CSFM Series Three Speed Fan Controller, including:

3HS Series	3 Blade Ceiling Sweep Fan	Hang Sure
4HS Series	4 Blade Ceiling Sweep Fan	Hang Sure
3JH Series	3 Blade Ceiling Sweep Fan	J Hook
4JH Series	4 Blade Ceiling Sweep Fan	J Hook

8.0 Fan Installation Checklist

The below guidelines should be followed to ensure quiet operation:

1. Ensure all bolts and screws are properly tightened when assembling fan.
 2. Check fit of support hook to rubber support insulator. If loose, fit rubber sheathing provided to ensure neat fit.
 3. Place rubber washers supplied between support insulator and support insulator brackets for tight fit.
 4. Prevent loose split pins from rattling by covering with small piece of insulation tape or other suitable method.
 5. Ensure top and bottom cowls are securely fixed and slightly clear of ceiling and fan motor.
- * A few minutes spent checking the above, will in most cases, ensure silent operation of the fan.

9.0 Electrical Specifications

Parameter	Value	
Nominal Operating Voltage	220 - 240 V a.c.	
Nominal Operating Frequency	50 Hz	
Maximum Load	75 VA (Limit ONE ceiling sweep fan only per controller)	
Speed Control Technique	Capacitive Attenuation	
Compatible Loads		Ceiling fans (split-phase induction motors) Exhaust fans (shaded pole induction motors)
Operating Temperature Range	0 to 40°C	
Operating Humidity Range	10 to 90% R.H.	
Mounting Centres	84 mm	Australian Pattern Plate
EMC Emission Compliance	AS/NZS CISPR 15	
Specifications Typical @ 25°C ± 5°C		
No User Serviceable Parts Inside		

10.0 Warranty Statement

Schneider Electric (Australia) Pty Ltd, (Clipsal by Schneider Electric), warrants this product to be free from defects in materials and workmanship for a period of two years from the date of installation. The benefits conferred herein are in addition to any other rights and remedies you may have at law in respect to this product. Australian and New Zealand customers please see the notes below.

Australia

Australian Consumer law specifies that our goods come with guarantees that cannot be excluded. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

New Zealand

This guarantee is in addition to and does not affect your rights under applicable law, except where that law expressly provides otherwise. The Consumer Guarantee Act 1993 (NZ) will not apply if this product is purchased for the purpose of business.

This warranty is expressly subject to the Schneider Electric product being installed, wired, tested, operated and used in accordance with our instructions and specifications. Any alterations or modifications made to the product without our permission will void the warranty. Schneider Electric will at its option repair, replace or refund any defective product. The cost of replacement or repair of a defective product is limited to the price of the product only. Schneider Electric will not be responsible for the cost of retrieving, removing, reinstalling, transporting (including return of the defective product to us) or re-testing a product.

How to make a claim: You shall provide Schneider Electric with adequate particulars of the defect within 28 days of the fault occurring. Contact your local Schneider Electric, PDL or Clipsal products supplier and provide the details of the date of purchase, description of load or connections and the circumstances of the failure. Returned products must be securely packed and labelled for proper processing.

Schneider Electric (Australia) Pty Ltd

Contact us: clipsal.com/feedback

clipsal.com

National Customer Care Enquiries:

Tel 1300 2025 25

Fax 1300 2025 56

Schneider Electric (Australia) Pty Ltd reserves the right to change specifications, modify designs and discontinue items without incurring obligation and whilst every effort is made to ensure that descriptions, specifications and other information in these instructions are correct, no warranty is given in respect thereof and the company shall not be liable for any error therein.

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