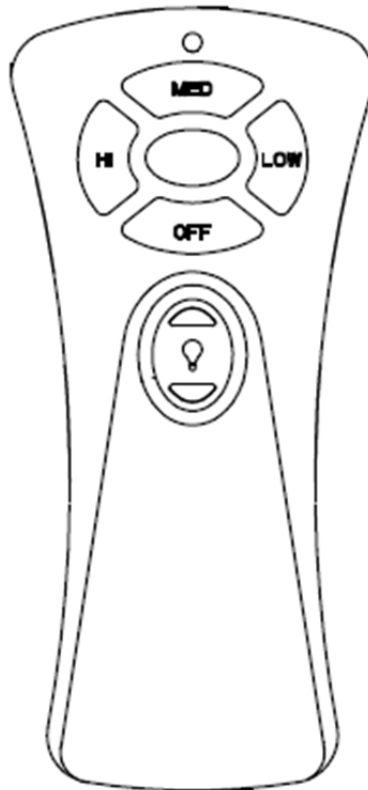




THE QUALITY BRAND IN FANS



Minor design changes or otherwise may result in slight variations between the product illustrated and that which is contained within this package

INSTALLATION AND OPERATION INSTRUCTION BOOK, REV 3.0

Models: FRM87, FRM87GL

REMOTE CONTROLLER FOR CEILING FANS

SAFETY PRECAUTIONS

Please observe the following general safety precautions carefully before and during all phases of handling, installation, removal, operation and maintenance of this product. Failure to comply with these precautions violates safety standards of design, manufacture and intended use of the product. Mercator Lighting assumes no liability for customer's failure to comply with these requirements.

WARNING

SAFETY WARNINGS

- 1. This product must be installed by a licensed and qualified electrician according to SAA and local authority regulations.**
2. 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.
3. Young children should be supervised to ensure that they do not play with the appliance.
- 4. All electrical works must only be undertaken after disconnection of the power by removing fuses or turning off the circuit breaker, to ensure all pole isolation of the electrical supply.**
- 5. The supply to the remote control receiver must be connected through an isolation switch, i.e. existing wall switch.**
6. Install receiver into the ceiling fan canopy of the fan to ensure proper protection.
7. This product is to be used for the control of ceiling fan with AC240V, 50Hz power supply only.
8. Do not install in damp locations or immerse into water. (For indoor use only.)
9. Do not pull on or cut leads shorter.
10. Do not drop or bump the unit.
11. The battery will weaken with age and should be replaced before leaking takes place as this will damage the transmitter. Dispose of used battery properly; keep the battery out of reach of children.
12. Do not use this product in conjunction with any variable (rheostat) wall control to reduce the risk of fire or injury.
13. This manual is not intended to instruct or assist untrained or unqualified persons to install this ceiling fan.
- 14. It is the responsibility of qualified, licensed installer and user to apply common sense and care at all times during installation and operation.**

INSTALLATION INSTRUCTIONS

⚠ WARNING

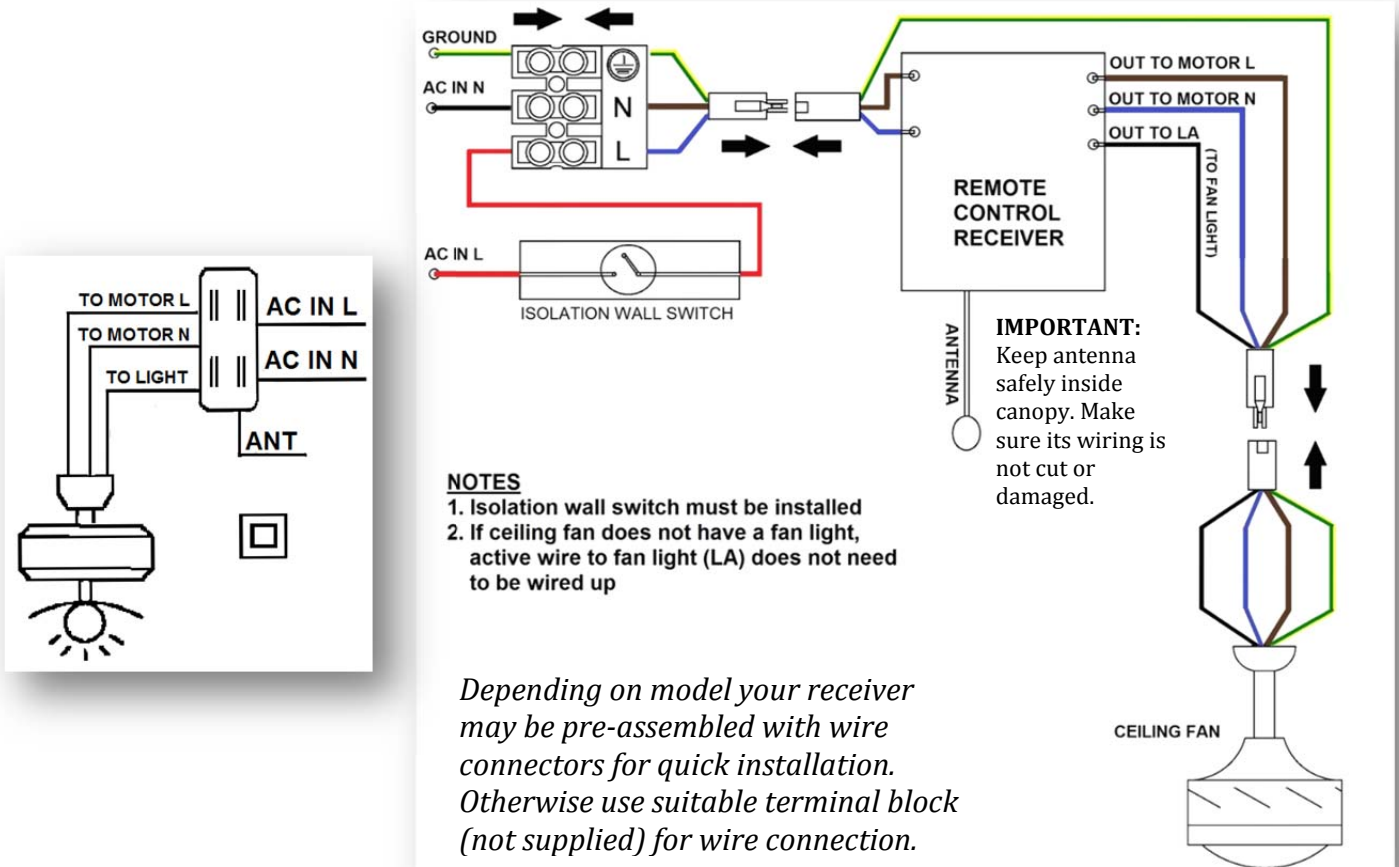
- Make sure electricity is turned off at the main power box before commencing work. Turn off the power by removing fuse or turning off circuit breaker.
- Incorrect wire connection would damage the remote control receiver

NOTE: Instructions when installing remote controller in ceiling fans (i) of other brands, (ii) with a low profile/hugger design or (iii) that may have a smaller hanging bracket.

- Please check to confirm electrical compatibility of the remote controller set with the ceiling fan before installation.
- If receiver of the remote controller cannot be inserted into the hanging bracket due to dimensional limitations or if there is no hanging bracket in the case of a low profile (hugger design) ceiling fan, the receiver can be enclosed in an Electrical Insulation Box (please follow Australian wiring regulations) and placed in the ceiling. In this case, please make sure to draw the antenna / aerial wire away from the insulation box through a small hole.

1. Power supply to remote control receiver must be connected through an isolation switch, i.e. existing wall switch. Ensure identical code switch setting on both receiver and handset.
2. Insert receiver through hanging bracket. Connect wires in accordance to wiring diagram. Cover up the receiver and hanging bracket with fan canopy. **Be careful not to damage wiring.**
3. For ceiling fan with manual or pull chain switches, set the fan to HIGH speed and the light kit, if any, to ON position using pull chain after installation **before operating remote control.**

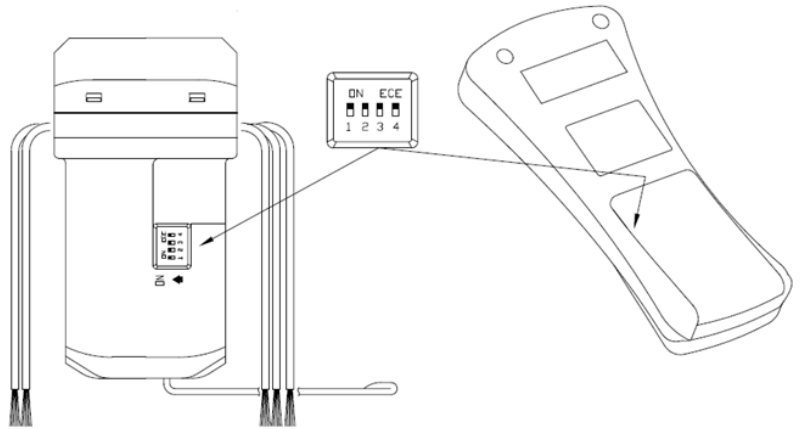
REMOTE CONTROL WIRING DIAGRAM



REMOTE CONTROLLER OPERATION

CODE SWITCH



1. CODE SWITCH: Codes are set by pushing dip switches up or down. It is imperative that the code used for both transmitter and receiver is exactly the same; otherwise remote controller will not work. Please note the code switch will enable you to operate a second remote controller independently. For example, if you have two ceiling fans with 2 remote control units, set 2 different codes for each set of transmitter/receivers. This means you can operate each ceiling fan independently.

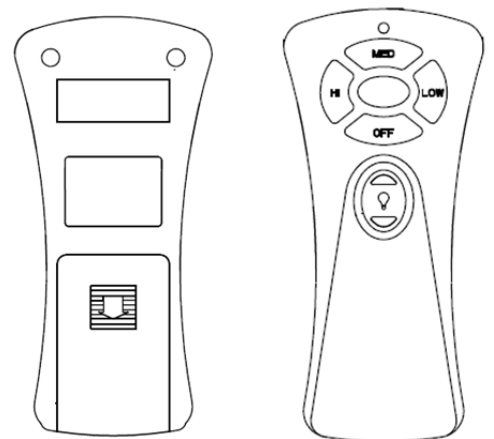


Possible DIP Switch Setting (ON setting represented by 1; OFF setting represented by 0)			
0000	0100	1000	1100
0001	0101	1001	1101
0010	0110	1010	1110
0011	0111	1011	1111

2. Your remote control is ready for use after a 9V battery installation.

FUNCTIONAL BUTTONS ON REMOTE HANDSET

- HI: Press once to turn on the fan at high speed
- MED: Press once to turn on the fan at medium speed
- LOW: Press once to turn on the fan at low speed
- OFF: Press once to turn off the fan
- LIGHT:  Press once to toggle the light on or off
-  Reserved button (no function)



NOTE

- Turn on isolation switch (wall switch) before operating remote controller.
- Turn off isolation switch (wall switch) when not in use.
- It is a sign of weak battery when the transmitter needs to be held at an increasingly closer distance to fan in order to work. Replace a new battery when voltage is running low.