



Limit Switch Setting For STD-AC & IQM-AC Motors

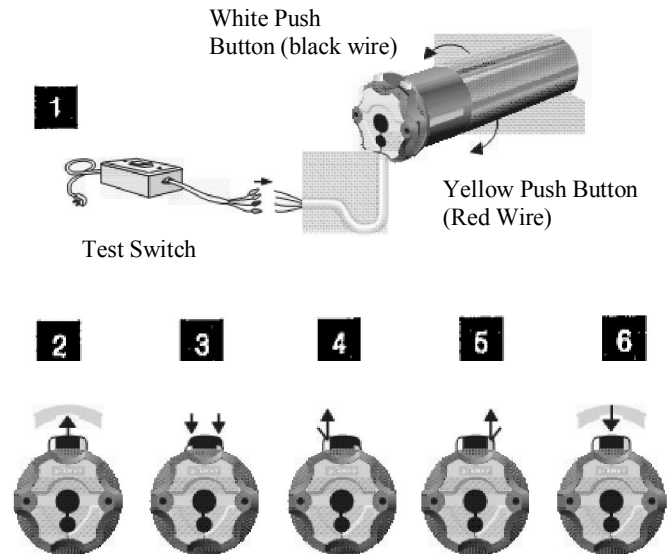
Insolroll strongly recommends using a test switch to set the motor limits, and to ensure the system is operating correctly before the final electrical connection is made. Refer to "Trouble Shooting Guide" for any problems encountered.

Two positions have to be set: the UP and DOWN positions, this is where the shade will stop automatically.

Motors are directional to run shades up and down and have for electrical wires: Green-ground, White-common, Red-directional hot, Black-directional hot

SEQUENCE

1. Ensure the test switch is in the center "OFF" position, and connect test switch to motor leads by matching color codes.
2. Remove the protective cap covering the limit setting buttons on motor head, and replace when finished.
3. Depress fully both limit switch push buttons. They will automatically lock in the down position. Operate the test switch and check that the system operates correctly. Identify the UP limit switch push button (refer to figure used for Step 1). Press the test switch in the UP direction until the required position is reached. Set the switch to the center "OFF" position.
4. Unlock the UP limit switch push button by depressing and releasing it.
5. Repeat the above operation to set the lower limit. Check with the switch that the motor stops at the UP and DOWN positions just set.
6. Always remember to affix the protective cap over the limit switch buttons.

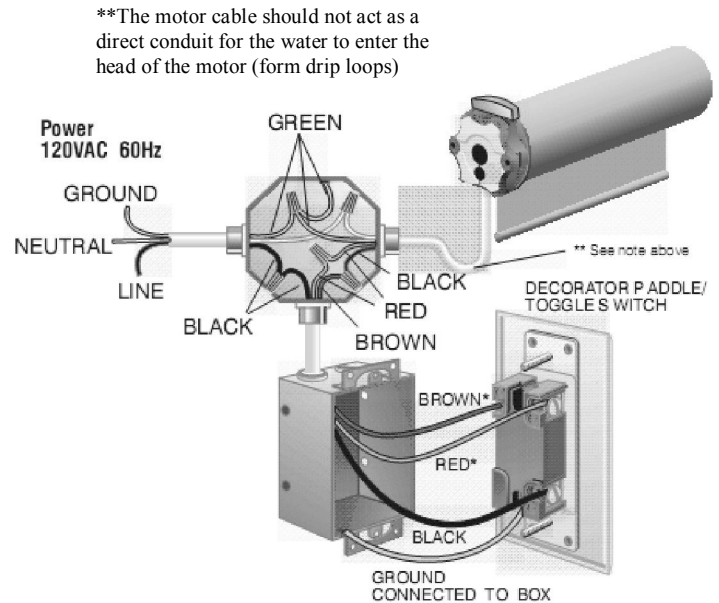


NOTE: Tubular motors are not continuously rated. They have a built-in thermal overload device which limits their operation to approximately 5 minutes.

WIRING/INSTALLATION RECOMMENDATIONS

- A. All wiring must conform to NEC (National Electrical Code) and local codes.
- B. Do not wire two or more motors to one SPDT (single pole double throw switch-NO PARALLEL WIRING).
- C. Do not use light switches.
- D. Do not wire two or more switches to one motor.
- E. Motors draw approximately 1 amp at start.
- F. Motors require a double throw switch (UP-OFF-DOWN).

NOTE: Insolroll motors conform to IP44 requirements and as such must be protected against direct weather elements such as rain, sleet,...etc. Insolroll reserves the right to void the motor warranty if the wiring recommendations are not followed.



TROUBLESHOOTING GUIDE

SYSTEM DOES NOT RESPOND

1. Is the power supply switched on – check any fuses in the system?
2. Is control switch wired correctly? Refer to instructions.
3. Are limit switches set properly? Review limit switch settings.
4. The thermal protective device may have shut the motor off. Wait for the motor to cool down.
5. Check the wiring between the motor and the switch.
6. Disconnect the switch and test the motor with a tester cable.

THE SYSTEM IS NOT STOPPING

1. Is the limit switch crown wheel being driven by the tube (has tube profile been properly notched)?
2. Is motor drive wheel securely fastened to the tube?

NOTE: if the motor is tested outside the tube, the crown wheel has to be manually turned in order to stop the rotation of the output shaft.