

Limit Switch Setting for 1400 Series Tube Motors



Am-Source supplied Tube Motors have built in limit switches which permit the setting of both the UP and DOWN travel limits of the system.

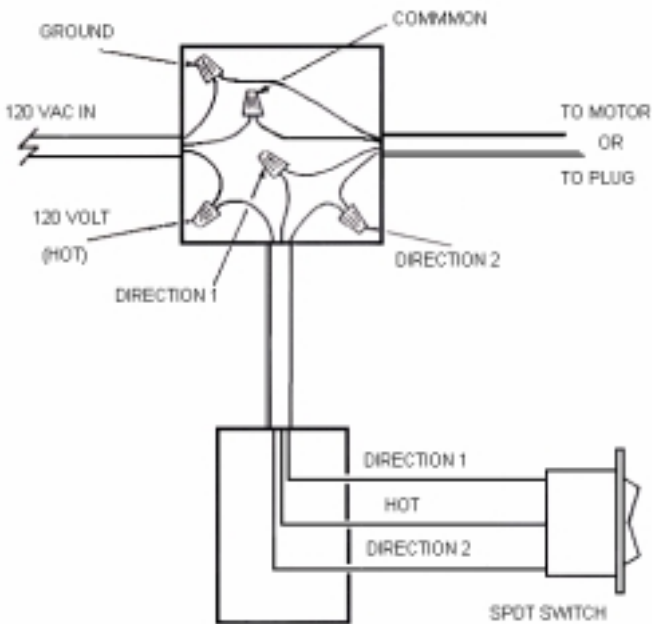
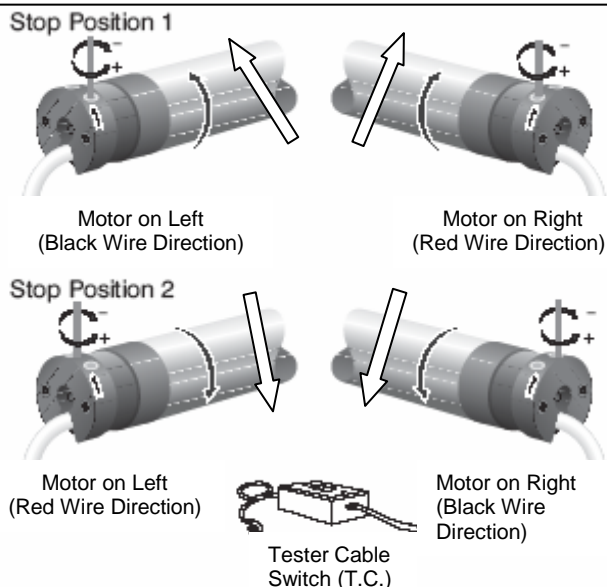
NOTE: When Am-Source attaches material, the UP and DOWN limits will be pre-set, prior to shipping.
(This information is only for reference and is to be used only in the case of "fine-tuning" the limits in any particular application.)
There should be no need to make any major adjustments in the UP or DOWN limit settings.

ADJUSTMENT OF UPPER AND LOWER LIMITS, 1400 SERIES

1. Ensure the Tester cable switch (T.C.) is in the center "OFF" position, and connect T.C. to the motor leads by matching color codes.
2. Identify the UP recessed limit screw by finding the arrow on the motor head which points in the direction that retracts (rolls up) the system.
3. Turn the power on to ensure that the switch is operating properly (UP-raises, DOWN- lowers). If not, turn the power off and simply reverse the black and red motor leads.
4. Depress the T.C switch in the UP direction. If the system stops before its UP limit, turn the UP screw to "+" until necessary. If the system does not stop at its UP limit, depress the T.C. switch in the DOWN direction and turn the UP screw to "-". Repeat this until the correct setting is achieved.
NOTE: 7 turns of Hex Screws equals 1 turn of roller tube.
5. Depress the T.C. switch in the DOWN direction. If the system stops before its DOWN limit, turn the DOWN limit screw to "+". If not, depress the T.C. switch in the UP direction and turn the DOWN limit screw to "-". Repeat this process until the correct setting is achieved.

NOTE: Tubular motors are not continuously rated. They have a built-in thermal overload device which limits their operation to approximately 5 minutes. A maximum 15 minute cool down period is required if the motor reaches thermal overload.

ILLUSTRATION SHOWS SETTING A REVERSE ROLL



Wiring / Installation Recommendations

- A. All wiring must conform to NEC (National Electric 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 to control motors.

Motor Wiring Color Code:

Black	Direction 1	White	Common
Red	Direction 2	Green	Ground

SEE: WALL SWITCH AND PLUG WIRING
for LINE-VOLTAGE MOTOR CONTROL

WIRING DIAGRAM 1400 & 1500 Series
110VAC TUBE MOTORS
USING LINE VOLTAGE SWITCHING ONLY

For more information contact:

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