

Electronic Solutions, Inc.
Model M40Q / M50Q / M40RF / M50RF Series Operator
User's Manual & Instructions

A. Description

The Model M40Q / M50Q / M40RF / M50RF Series Operators are designed to be used with rolling window coverings and projection screens. Models M40Q / M50Q / M40RF / M50RF are designed for connection to 120V~ 60Hz supply using provided power supply cord. This system is designed for INTERIOR USE ONLY.

B. Specifications

See **M40Q 120VAC Series Motor Specifications and Installation Instructions**, **M50Q 120VAC Series Motor Specifications and Installation Instructions**, **M40RF 120VAC Series Motor Specifications and Installation Instructions**, and **M50RF 120VAC Series Motor Specifications and Installation Instructions**,

	Torque Nm	Speed RPM	Full Load Amperes	Duty Cycle (On/Off)
M40Q 228A / M40RF 228A	2	28	0.70	45 Sec / 60 Sec
M40Q 430A / M40RF 430A	4	30	0.90	45 Sec / 60 Sec
M40Q 915A / M40RF 915A	9	15	1.30	45 Sec / 60 Sec
M50Q 330A / M50RF 330A	3	30	0.90	45 Sec / 60 Sec
M50Q 634A / M50RF 634A	6	34	0.90	45 Sec / 60 Sec
M50Q 1234A / M50RF 1234A	12	34	1.9	45 Sec / 60 Sec

Never exceed the duty cycle or lift capacity from the above table.

The stated On / Off times denote continuous operation duty cycle without motor overheating. A Motor that is cool may run for up to 4 minutes continuously before thermal overload. A motor thermal will act exactly like a stall. Thermal reset occurs after the motor has cooled sufficiently, this usually takes 10 to 15 minutes depending on ambient temperature and ventilation.

C. Safety

WARNING: EVALUATED FOR FIRE AND SHOCK ONLY, NOT ENTRAPMENT. SEE THESE INSTALLATION INSTRUCTIONS FOR LISTED APPLICATIONS AND LOCATION.

WARNING: THIS DEVICE HAS NOT BEEN EVALUATED FOR RELIABILITY TO THE STANDARD FOR TESTS FOR SAFETY-RELATED CONTROLS EMPLOYING SOLID-STATE DEVICES, UL 991 AND THEREFORE NOT CONSIDERED SUITABLE FOR ENTRAPMENT PROTECTION.

WARNING: Prior to installation inspect all parts for damage or missing components.

WARNING: To Reduce the Risk Of Fire, Electric Shock, Or Injury To Persons, Installation Work And Electrical Wiring Must Be Done By Qualified Person(s) In Accordance With All Applicable Codes And Standards.

WARNING: Never install this product with power connected. **DISCONNECT FROM POWER SUPPLY** before installing or adding accessories to this device.

WARNING: Important safety instructions. It is important for the safety of persons to follow these instructions. Save these instructions. Frequently examine the installation for imbalance and signs of wear or damage to cables and springs. Do not use if repair or adjustment is necessary.

Do not allow children to play with fixed controls. Keep remote controls away from children. Children should be supervised to ensure that they do not play with the appliance.

The supplied UL rated grounding power cord (type SPT-2 or SJT) if lost or broken shall be only replaced with identical power cord. Replacement power cord is available from distributor or manufacturer.

Power cord must be properly plugged into the electrical outlet and the M40Q / M50Q / M40RF / M50RF. Loose attachment can cause arcing and can result in failure. Any improper use or misuse can result in electrical shock causing injury to the person or persons.

As with any 120V~ electrical appliance, care must be taken when handling. To reduce the risk of electric shock, this equipment has a grounding type plug, that has a third (grounding) pin. Model M40Q / M50Q / M40RF / M50RF operators are supplied with UL rated grounding power cords (type SPT-2 or SJT) that have a grounding pin which shall not be altered or removed. This plug will only fit into a grounding type outlet. If the plug does not fit into the outlet, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

Use appropriate Class 2 wiring as determined by location of use or install as required by Article 725 of the NEC and local codes. Signal output is Class 2 which includes Manual Inputs and Accessory Port connection.

If this device is installed in the presence of strong Radio Frequency (RF) signals (such as near RF transmitters) loss of functionality may occur.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

If used in an area susceptible to lightning strikes or power surges, surge protectors should be used. Otherwise, unplug this operator and accessories during lightning storms.

Motors are not rated for exterior use. Water can cause shorting and result in electrical shock.

FOR INTERIOR USE ONLY.

Before installing the operator, remove any unnecessary cords and disable any equipment not needed for powered operation.

If motor malfunctions, disconnect immediately and call the installer or dealer for servicing information.

USE REMOTE CONTROL ONLY WHEN THE OPERATOR IS VISIBLE AND NOT MORE THAN 15M AWAY.

D. Installation:

1. This operator/motor must be installed by qualified and trained service personnel only.

Electronic Solutions, Inc.
Model M40Q / M50Q / M40RF / M50RF Series Operator
User's Manual & Instructions

2. Please refer to window covering or projection screen manufacturer's documentation for installation instructions.
3. Tubular motors are intended to be used for shades, shutters and awnings from various manufacturers and are only installed by trained service personnel. The installation shown here is only for illustration only. A typical set up (See Fig 1) will require the motor (E) to use adaptors consisting of a crown (A) and drive (B) to adapt to the corresponding tube (F). There are various types and sizes of tubes and adapters, only use the appropriate adaptors for the tube and weight in the application. The mounting of the operator to the wall (C) using a mounting bracket (D) must be securely fastened and horizontal (Fig 4).
4. Attention: A wrong installation of the motor can cause damages to persons and things.
5. Attach Power cord as shown in Fig 2 and Fig 3. Use only the supplied power cord.

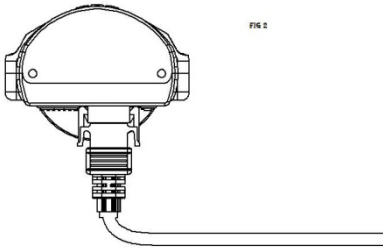


FIG. 2

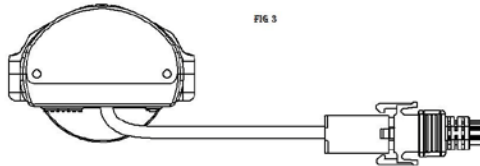


FIG. 3

Fig.1

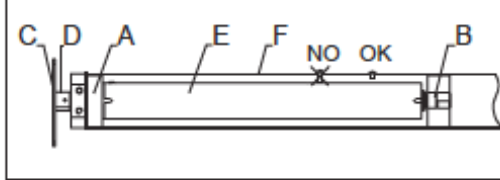
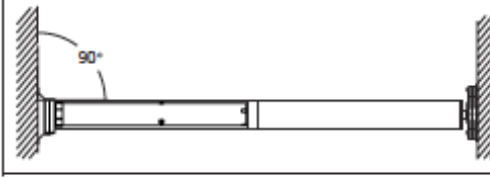


Fig.4



E. Operation:

This operator is controlled by: external switches, enabled remote control, or other authorized home automation systems. Refer to the quick set up guide for more information.

F. Maintenance:

M40Q / M50Q / M40RF / M50RF shall be kept free of dirt, moisture, and debris.

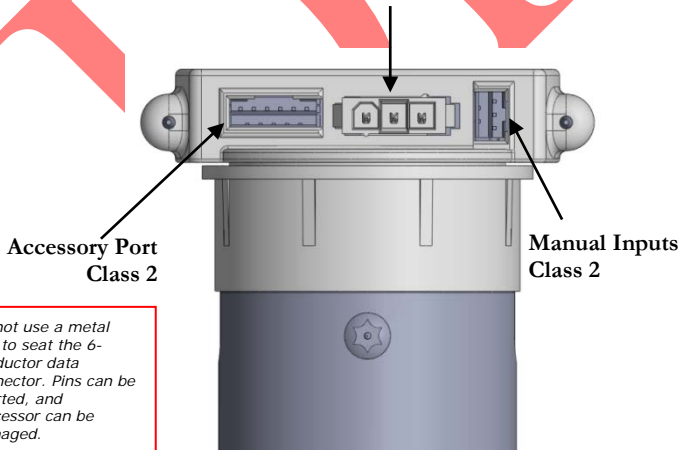
G. Service:

WARNING: THIS APPLIANCE HAS NO USER SERVICEABLE PARTS. M40Q / M50Q / M40RF / M50RF shall be serviced by authorized Electronic Solutions, Inc. installers only. M40Q / M50Q / M40RF / M50RF enclosure shall not be opened under any circumstances, by anyone other than Electronic Solutions, Inc. technicians.

Electronic Solutions, Inc.
1355 Horizon Avenue
Broomfield, CO 80020
1-303-469-9322

Q MOTOR CONNECTIONS

AC Power 120V~ 60Hz



RF MOTOR CONNECTIONS

AC Power 120V~ 60Hz

