

**GENERAL:**

The 2M Series line of clock mechanisms all incorporate a “friction” gearing that allow the minute hand to be manually spun until the correct time is displayed. The 2M Series can only be set to the correct time in this fashion. The 2MR Series clock mechanisms are resettable electrically from a remote location via a manual reset switch or automatic clock controller. Resetting is accomplished by means of an additional 10 RPM motor which advances the clock 10 times normal speed. The 2MI Series Minute Impulse Clock mechanism must utilize a clock controller for operation.

**INSTALLATION OF STANDARD MOUNT 2M SERIES CLOCK MECHANISMS:**

Install clock movement per appropriate drawing. Though not necessary, it is generally recommended that a means of support be installed 2” below dial center to level and keep the clock movement stationary and prevent possibility of rotation. Provide a 9/16” diameter hole through center of clock dial material. Remove front nut and washers. Slide movement through the hole and reinstall washers and nut. Adjust nuts so the dial is in the center of the threads and tighten. Confirm shafts are level and perpendicular to dial face. Shim mechanism as necessary. Confirm shafts are level and perpendicular to dial face. Shim the mechanism as necessary.

**INSTALLATION OF THROUGH WALL MOUNT 2M SERIES CLOCK MECHANISM:**

Provide a 3/4” minimum hole through wall for extension shaft clearance. Only one nut, washer and rubber washer are used. Slide movement through the hole and reinstall washers and nut. Shim mechanism between wall and housing to achieve desired position and tighten nut.

**INSTALLATION OF FRONT MOUNT 2M SERIES CLOCK MECHANISM:**

Install and secure box so the mounting holes are level from side to side. Secure the movement to the front plate in a level position with the supplied nuts & washers. Make electrical connections per supplied diagram. Attach front plate to the wall box with the 2 screws.

Note: Unless otherwise noted or coordinated with the factory, the front plate and mounting screws are typically supplied with a prime finish for painting the color of the wall fascia or other to contrast with the hand color.

**WIRING:**

We recommend that the clock(s) be put on their own electrical circuit, separate from lighting or other accessories. Refer to wiring diagrams supplied for the type of clock control provided and the initial starting sequence from the 12:00 position.

**\*\*INSTALLATION OF HANDS\*\***

The clock hands should initially be set to the 12:00 position on the shafts to insure they are located properly relative to one another. Install the hour hand 1st by sliding it on the brass hour shaft. Do not secure or tighten the screws at this time. Next, slide the minute hand on to the minute shaft and tighten set screw on the flat of the shaft. The minute hand is on friction and can now be manually spun around straight up to the 12:00 position. Adjust the hour hand centered on the shaft so it also points to 12:00 and tighten the set screws. Do not over tighten them as the brass tubular shaft can collapse resulting in binding of shafts causing premature wear or failure. Check to insure there is adequate clearance between hands and there will be no obstructions to impede their normal movement. Note: Hour Hand is not on friction and cannot be manually moved without causing damage.

**STARTING AND TIME SETTING:**

After power has been turned on, manually adjust to the correct time by spinning the minute hand around to the actual time or see supplied time setting instructions for type of remote control provided.