

The National Time & Signal 6MR-11MR Series clock mechanisms employ the exclusive worm-gear drive technology on a much larger scale. These mechanisms are driven by a permanent magnet, 115V 50Hz or 60Hz synchronous gear motor. These mechanisms offer mounting options to suit all applications with dial sizes up to 22' diameter.

**Variations:**

**6MR-11MR** The MR synchronous versions keep time using the 60Hz power line. The synchronized motor provides smooth continuous movement of the hands. A National Time transmission advances the clock at 10 times speed with a single motor. A remote manual switch can be used to adjust the clock. A master clock or clock controller can be used to automatically correct the time for power outages or daylight savings adjustments.

**6MI-11MI** The MI minute impulse advances incrementally each minute utilizing a single direction motor. An MC3 Master Clock Controller is required for operation and provides automatic correction. The MI series will not drift when employed in countries that do not regulate power line frequency or installations that may have generator backup power. An MC3 Master Clock with the 4 circuit expansion switches allows user to remotely adjust up to 4 clocks independently during installation or repair.



6MR with illuminated hands model shown

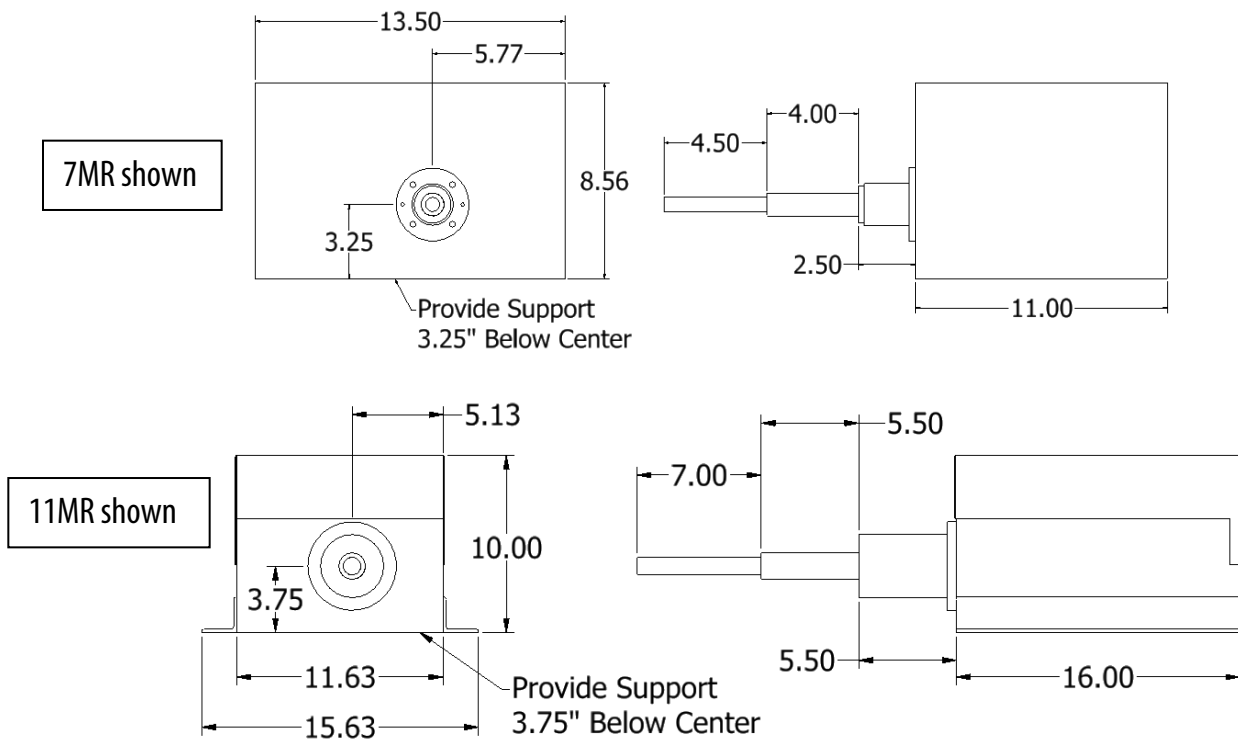
**Common Features:**

- Dial sizes to 22'
- Rugged box construction
- Available with collector rings to power LED lit hands.
- Vertical and horizontal mounting capabilities.
- UL Listed
- Manufactured in the U.S.A.

Due to our unique product construction, our clocks are more reliable, durable and low maintenance than all others. An intrinsic benefit to our Architectural audience is our credibility demonstrated over 80 years of performance. A design Architect needs to trust the products their firm specifies into their projects.

Clocks of this size range can be customized to meet your unique challenges using generations of experience and knowledge.

## Typical Clock Movement



## Clock Controllers



970 Manual switches



980-4 Manual switches



MC3 Master Clock



MC3 Master Clock with 4 Switches



MC100 and MC100-WP  
Weather proof  
Master Clock