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Item # Surface Mount Dial Clocks, Surface Mount Dial Clocks



Surface Mount Dial Clocks

The Surface Mount Dial Clock is a good choice when integrated lighting is not required, but a full clock dial surface is desired. Surface Mount Dial Clocks are provided in two styles: Surface mount acrylic dials with white acrylic dial and black acrylic dial markings, and Surface mount aluminum dials with cut aluminum dial markings with 1/4" standoffs for depth. Both dial configurations are available with all of our dial and hand styles. Clock movements may be mounted directly to the back of the clock dial, or the clock can be designed with a "through the wall" clock movement.

All Surface Mount Dial Clocks are built to customer specifications including sizes, hand & dial marker styles, lighting, addition of optional items, etc. Contact Elderhorst Bells, Inc. for details.

2.03 ACCESSORIES

A. Provide an EB-200 series Clock Controller – this is a minute impulse type master-clock with a high degree of accuracy due to the quartz micro-processor time base. The unit incorporates a lithium battery backup for automatic time correction following power failure, and automatic daylight savings time correction. The controller is housed in a NEMA 4X surface wall mount enclosure. Field wiring diagrams are to be provided.

OPTIONAL ITEMS:

B. TEMPORA-DIGITAL Clock/Carillon system – quartz based with battery backup for automatic time correction following power failure. Automatic daylight savings time correction. The digital carillon system allows for user programmable play of 1-4 bell peals, funeral tolls, Westminster Chime (or other hourly melody), Hour-strike, and a limited selection of included melodies. System includes an amplifier. The TEMPORA-DIGITAL system is housed in a steel rack mount type enclosure. (requires loudspeakers – see below)

_____ reflex sound projector loudspeaker horn(s) will be provided with 60 watt drivers, (4 recommended for uniform sound dispersion).

C. GPS- Global Positioning Satellite time synchronization system. System Includes an antenna and receiver for automatic time correction from the GPS time signal. The receiver is housed in a NEMA 4X surface wall mount enclosure.

2.04 FABRICATION

A. Fabricate hands, dial markings, and/or surface mounted dial proportional to diameter of clock noted above.

B. Fabricate clock movement, and test for proper operation with Clock controller.

2.05 FINISHES

A. Finish all aluminum surfaces exposed to front viewing. All aluminum surfaces shall be caustic etched, primed with two heavy coats of primer, and finished with two heavy coats of industrial enamel, (black standard –additional colors available). All concealed metal to be of mill finish aluminum.

2.06 CAULKING

A. Clean and dry all surfaces to be caulked.

B. Apply silicon caulking with caulking gun, using nozzle of proper size to fit joint width.

PART 3 – EXECUTION

3.01 PROJECT SITE CONDITIONS

A. Verify that site conditions are suitable and accessible for delivery and installation.

B. Confirm that all preparatory work is in place in accordance with approved shop drawings prior to installation.

3.02 INSTALLATION

A. Use skilled and experienced installation craftsmen familiar with such work, and in accordance with manufacturer's instructions and approved shop drawings.

B. Coordinate with other trades as required to assure proper and adequate installation

C. Install clock controller in an accessible area.

D. Provide and install separate electrical circuits 120 vac 60 hz for clock system, in accordance with local building and electrical codes.

3.03 CLEAN-UP

A. Clean all soiled and dirty areas, and touch up any scratches or abrasions.

B. Clean up all debris caused by work of this section, keeping the premises clean and neat at all times.

END OF SECTION