

### GENERAL DESCRIPTION

The Franklin Quartz F Master Clock is a microprocessor/quartz Crystal based time system controller designed to accurately drive a variety of low voltage Impulse, Midnight Reset, Sync Wire, and RS232 secondary clocks. When equipped with optional signal conversion, the Quartz F provides cost effective interface capabilities for the installer. User friendly and power efficient, it is ideal for office, school or industrial applications where the programming of signals or events is not required.

Franklin's MP Time Code Signal Conversion option allows interfacing of a variety of time system communication signal codes. Receive time code signals in one discipline, display that time as a secondary, then transmit synchronized time code in one or more different disciplines. Excellent for multiple buildings, intercom, time & attendance or computer network synchronization.



### OPTIONS:

- Rack Mounting
- Interface to Computer
- Custom Programming
- GPS and WWVB Receivers.
- Time Code Signal Conversion.
- 2 amp impulse clock output.

### STANDARD FEATURES:

- Microprocessor controlled
- Quartz crystal time base precision of 0.1 seconds per day
- 0.8", 6 digit red LED display
- Selectable 12 or 24 hour format
- Non-volatile calendar function for standard/daylight and leap year corrections.
- Lithium 10 year real time battery back-up
- Automatic clock correction after power failure.
- Simple 8 button keypad with security code access.

### SPECIFICATIONS:

**Power input:** 120 VAC 60Hz. U.L. listed transformer

**Impulse Clock Output:** 24 VDC 1 Amp Max.

Bi-Polar Minute with 15 PPM correction

Bi-Polar Second with 5 PPS correction

Midnight Reset 1 second @ 12 AM

Sync Wired Relay contact Rating 10 AMP @ 120 VAC

**System Capabilities:** Franklin Mark 5M, 5MS, 8M, 8S, F1200 & MP Series. Others: Sync Wired & Custom

**Rapid Impulse Rate:** Minutes - 10 PPM, seconds - 600 PPM

**Battery Reserve:** 7 year lithium

**Operating Temperature:** 32° F to 104° F

**Accuracy:** 1 Minutes per year

**Dimensions:** Height - 8.0", Width - 11.0", Depth - 2.85"

**Weight:** 5 lbs

DISTRIBUTED BY:

