

# FRANKLIN

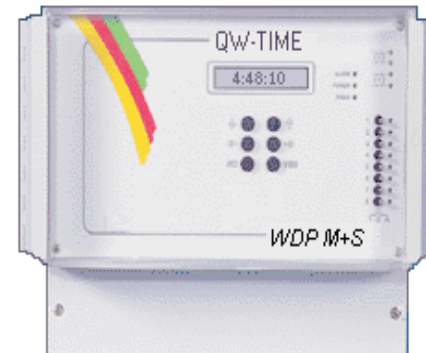
## TIME SYSTEMS

# PRODUCT: WDP M+S MASTER CLOCK & EVENT PROGRAMMER

### GENERAL DESCRIPTION

The Franklin WDP M+S is an extremely flexible master clock/ yearly event programmer capable of controlling multiple clock systems, PLUS signal bells, flow valves, motors, lights, locks, HVAC systems and broad based energy management. It will manage virtually any system requiring ON-OFF or DURATION signals related to time or date.

**Y2K  
COMPLIANT!!**



### STANDARD FEATURES:

- Microprocessor controlled
- Quartz crystal time base precision of 0.1 seconds per day.
- Alpha-numeric display for ease of programming.
- Non-volatile calendar functions including standard/daylight and leap year corrections.
- Lithium 10 year battery back-up for real time clock, programmed events and impulse clock corrections.
- (8) potential free relay/channel outputs (expandable to 64).
- Selection of weekday(s) or date and on, off or duration's of 1 to 59 seconds for each event.
- (800) programmable controlled events residing over (7) schedules.
- Manual or by date schedule changes.
- LED indicator and manual control toggle switch for each relay/channel circuit.
- (2) Programmable 24VDC impulse clock system outputs.
- (1) Programmable synchronous clock system output.
- Internal 24VDC 2 amp power supply for impulse outputs.
- (3) Level selectable password security against unauthorized use.
- Applications:
  - Signal break periods in schools and factories.
  - Control of lighting and HVAC systems.
  - Energy management and security systems.

### ENGINEERS' SPECIFICATIONS

The master clock & event programmer shall be the Franklin model WDP M+S suitable for either surface or rack mounting (specify). It shall be entirely solid state design using a quartz crystal time base having 0.1 seconds per day accuracy. Programming will be facilitated by an alphanumeric LCD display. (800) event memory locations shall be programmable over (8) outputs and (7) schedules. To prevent unauthorized use, a (3) level password security may be programmed.

The unit shall also be capable of un-attended operation, maintaining and correcting all secondary clocks on its system with fully automatic standard/daylight and leap year corrections. A 10 year lithium battery back-up will be employed in the event of AC power interruptions. The unit shall be Y2K compliant.

**DISTRIBUTED BY:**

### OPTIONAL FEATURES:

- WDP M+S Rack Master Clock
- Interface for WWVB Strada Receiver
- Interface for GPS Receiver
- RS232 Communication port
- 8 Channel Remote Wall Mount Expansion Units
- Software Available for Novell, DOS, WIN 3.1, & WIN 95/98/NT
- Synchronization input (1 PPM)

### TECHNICAL SPECIFICATIONS:

- Power input: 120 Volt AC, 60 vA
- Impulse output 24 Volt DC, (2) at 1 amp each
- Relay Contact Rating: [(2) SPDT, (4) SPST] 6 Amp, 240 VAC, 24 VDC
- System Capabilities: Mark 5M, 5MS, 8M, 8S, F1200, MP Series.
  - Others: Synch Wired, Carrier Current, Standard Electric, National Time & Rauland
- Operating Temperature Range: 32° F (0° C) to 104° F (40° C)
- Weight: 7 lbs. (3.18 Kilos)
- Dimensions:
  - Width 10.5"
  - Height 8.5"
  - Depth 5.4"
- Accuracy: 0.1 Seconds per 24 Hours
- CE Approval, EMC: EN50081-1, EN50082-2

**Franklin**

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