

MASTER CLOCKS MC SERIES

RING BELLS - CONTROL CLOCK SYSTEMS

LOW COST, EASY SOLUTIONS TO FIT ANY SIZE SYSTEM. Ideal for Schools, Hospitals, Factories

Corrects all major analog and digital secondary clocks, including AE, AN, and CC Series Clocks and Clock/Calendars.

Multi-Zone, Multi-Schedule - Four and Eight Circuit models provide Annual Programming with up to 100 events per day.

Non-Volatile Memory - Keeps time and program for indefinite power outages.

Automatic Daylight Savings Time and Leap Year Correction.

Heavy Duty Relays rated at 48 VAC - 15 AMP (optional on MC41P)

Rack Mount, Wall Mount and Compact Wall Mount units are available in Four and Eight Circuit (Zone) versions.

RS232 I/O for remote PC programming using MCPROGRAMMING Software and for driving AE, AN, and CC Series Clocks and Clock/Calendars (MC41LV model excluded)

Keyboard selectable Time Base - 50 Hz, 60 Hz, and .003% Crystal

Options available for some models, including:

Built-In AC and DC Power Supplies for driving secondary clocks and bells.

Connectors and Wiring Harnesses.

120 VAC - 50 Hz, 220 VAC- 60 Hz or 220 VAC- 50 Hz operation.
(24 VAC - 60 HZ is standard on most models)



MC4181LV



MC41P



MC4181NX



MC41LV



**APPLIED
TECHNICAL
SYSTEMS**

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MC SERIES MASTER CLOCKS

The MC Series Master Clocks are available in various configurations depending on the type of enclosure and the number of relay outputs required. All have the same powerful operating program which provides up to 100 events per day, Annual Programming and keyboard selectable, secondary clock correction. Correction for most analog and digital secondary clocks, including three-wire synchronous, minute impulse, bi-polar minute impulse and all Midnight synchronized digital clocks, is built-in. An RS232 Output driver comes standard in the MC4181NX, MC4181LV, and MC41P models for driving ATS AE and CC Series Large Digital clocks with the RS232 input.

Models available:



MC41LV Master Clock with 4 SPDT Relay Outputs. Compact, Wall Mount Enclosure - 4.75" W x 8" H x 2" D. Standard power - 24 VAC, 60 Hz. Terminal block is provided for all field wiring.

MC81LV - Master Clock with 8 SPDT Relay Outputs. Compact, Wall Mount Enclosure - 4.75" W x 8" H x 3.2" D. Standard power - 24 VAC, 60 Hz. Two connectors with 48" mating harnesses are provided for field wiring. **Call for details about this model*



MC41P - System Clock Master. Compact, Wall Mount Enclosure - 8.75" W x 4.63" H x 2.4" D. Standard power - 12 VAC, 50/60 Hz, 1 Amp maximum. Power and data cables are provided for field wiring. Relay outputs optional.



MC4181LV Rack Mount Master Clock with 8 SPDT Relay Outputs and an RS232 I/O Interface for remote PC programming and control using MCPROGRAMMING Software (included).

Rack Mount Enclosure - 19" W x 3.5" H x 9" D. Fits a standard 19 inch equipment rack. Standard power - 12 VAC, 60 Hz. A 120 VAC to 12 VAC power module is included. Terminal blocks are provided on the back panel for field wiring.



MC4181NX Master Clock with 8 SPDT Relay Outputs and an RS232 I/O Interface for remote PC programming and control using MCPROGRAMMING. Large Wall Mount Enclosure measures 12" W x 16" H x 4.5" D. Conduit knockouts are provided on all sides, top, bottom and back. Standard power - 120 VAC 60 Hz. Terminal blocks are provided for all field wiring.

Popular Options for the MC4181NX Model Only

- MC-OPT-016** Built-In 24 VAC, 4 Amp Transformer for driving secondary clocks and bells.
- MC-OPT-014** Built-In 24 VDC, 1/2 Amp Power Supply for driving secondary clocks.
- MC-OPT-427** GPS Time Reference Input. Requires GPS-427 Antenna/Receiver.

- MC-OPT-012** Built-In 24 VDC, 2 Amp Power Supply for driving secondary clocks.
- MC-OPT-PWR** Power options are available for 120 or 220 VAC and 50 or 60 Hz. Contact the factory.
- For additional options refer to the Prices and Options Catalog or contact the factory.*



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