

BELL PROGRAMMER SYSTEM



MC41-BP1 BELL PROGRAMMER SYSTEM

PLUG and PLAY - NO WIRING REQUIRED - COVERS UP TO 5,000 SQUARE FEET

***Multi-Schedule, Single Zone with up to 100 Bell rings per day.
Fits any bell schedule requirement including "early-out" days and special events.
Two Bell Durations - "Use a short duration for a Warning Bell".
Easy to program.***

Ideal for small schools and factories with special schedule requirements.

The MC41-BP1 consists of an MC41LV Master Clock mounted in a keylocked box (7"W x 12"H x 4"D), and pre-wired to a 24 VAC Six-Inch Bell. A 15 foot cable is included so the bell can be located up to 15 feet from the keylocked box. Powered with a 24 VAC power module (included).

Mounting hardware is included. Simply hang the enclosure and bell, plug it in and enter your program. See the MC41LV brochure and manual for more details on programming and operation.

TWO YEAR WARRANTY



**APPLIED
TECHNICAL
SYSTEMS**

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DESCRIPTION

The MC41-BP1 is a self contained, Plug and Play, Bell Ringing System for small schools and factories. It uses the time proven MC41LV Master Clock as the bell programmer. Program memory can be adjusted to meet any specific application with up to 100 events per day, and up to 9 alternate 7 day plans or schedules for a total of 200 steps. Each program step can address any combination of the relay outputs, for any day of the week, including groups of days such as Monday, Wednesday and Friday, or Monday through Friday.

The MC41-BP1 includes a high quality, low voltage, six-inch bell, which is pre-wired with a 15 foot cable for easy installation. Mounting hardware is included. No wiring is required. Simply hang the enclosure and bell, plug it in, and enter your bell program.

SPECIFICATIONS

PROGRAMMING CAPABILITIES

EASY TO USE - 32 character alphanumeric, LCD display and "Auto Prompt" software provides display information to guide the operator during programming.

200 POWERFUL PROGRAM STEPS - Provides time, day or days of the week, and selected relays for each event.

UP TO 10 - CUSTOM WEEKS - define your special weeks to include any group of days such as Monday, Wednesday and Friday. Ideal for "early-out" days.

UP TO 10 - SEVEN DAY PLANS - 1 default plan and up to 9 alternate plans, each can have up to 100 steps.

20 ANNUAL PROGRAMS - Schedules the alternate plans with specific Start and End dates.

PROGRAMMABLE DST ADJUSTMENT - The MC41LV Master Clocks can be programmed to automatically adjust their time for Daylight Savings Time changes according to U. S. law, even if the law changes.

AUTOMATIC LEAP YEAR ADJUSTMENT

MANUAL OVERRIDE - The output relays can be manually energized or de-energized from the keyboard.

ADJUSTABLE BELL DURATIONS - The Bell can be programmed for two different durations, allowing a shorter bell to be used as a "Warning Bell". Each is programmable from 1 to 9 seconds.

POWER FAIL BACKUP - Program and time keeping are maintained for in the event of a power failure. The bell outputs and the display are disabled during backup.

TIME KEEPING - Synchronous with the AC power line. During a power failure it is quartz crystal controlled with an accuracy of +/- .003% throughout its full temperature range.

PROGRAMMED EVENTS - Bell events are programmable with a one minute resolution and occur at the zero second of that minute.

ELECTRICAL / PHYSICAL

Power:

24 VAC, 60 Hz, 300 mA max. A 120 VAC to 24 VAC 500 mA Power Module is included. Plugs into standard 120 VAC 60 Hz outlet.

Bell: F-4436-24 Six-Inch Bell - 24VAC, 200mA, 81 dB / 95 dBA. Includes an F-3014 cast aluminum box. Color: gray.

Outputs: Four SPDT relays rated at 15 A resistive at 48 VAC or 24 VDC.

Bell Wiring: Pre-wired to relays 1 and 2 with 15 foot cable.

Enclosure: Painted steel (beige) with hinged, keylocked door. Mounting holes and hardware provided.

Size: 7" W x 12" H x 4" D.

Weight: 6 lbs, Including the six inch bell

Operating Temperature Range: 0 to 50 C.