

# LOUD BREAK BUZZER SYSTEM



## **MC41-BH1 EXTRA LOUD BREAK BUZZER SYSTEM**

**FOR INDUSTRIAL WORK AREAS - COVERS UP TO 25,000 SQUARE FEET**

***PLUG and PLAY - NO WIRING REQUIRED . . .***

***Multi-Schedule, Single Zone with up to 100 Bell rings per day.  
Includes all the features of the MC41LV Master Clock.***

The MC41-BH1 Buzzer System provides an Easy to Install Plug and Play solution for signalling shift changes, lunch, and breaks in small factories.

This system consists of an MC41LV Master Clock mounted in a keylocked box (7"W x 12"H x 4"D), and pre-wired to a Four-Inch, Extra Loud Horn/Buzzer and 120 VAC / 24 VAC power module. A 90 foot cable is included so the Horn/Buzzer can be located up to 90 feet from the keylocked box.

The MC41-BH1 is pre-wired to relays 1 and 2, allowing two different signal durations.

Mounting hardware is included. Simply hang the enclosure and horn/buzzer, plug it in and enter your program. This Buzzer must be mounted at least 10 feet above employee work areas.

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-BH1 is a self contained, Plug and Play, Extra Loud Buzzer Signal System for factories. It uses the time proven MC41LV Master Clock as the event 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-BH1 includes a high quality, low voltage, four-inch horn/buzzer, which is pre-wired with a 90 foot cable for easy installation. Mounting hardware is included. No wiring is required. Simply hang the enclosure and horn/buzzer, plug it in, and enter your program. **This Buzzer must be mounted at least 10 feet above employee work areas.**

## 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.

*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.

*PULSED / MOMENTARY DURATIONS* - The outputs can be individually programmed to operate as a momentary contact, programmable from 1 to 9 seconds. Relays 1, 3, and 4 are programmed for the same duration. A different duration can be programmed for relay 2, allowing two different signal durations.

*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, 1.5 A max. A 120 VAC to 24 VAC 1.6 Amp Power Module is included. Plugs into standard 120 VAC 60 Hz outlet.

Buzzer: F-350-24 Assembly  
Four-Inch Buzzer, 24 VAC, 0.9 Amps.  
100 dB / 10 feet. Includes an F-3014 cast 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 90 foot cable. Clearly labeled terminal blocks are provided for remaining 2 relays.

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 four-inch buzzer

Operating Temperature Range: 0 to 50 C.



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