

# LOUD BREAK BUZZER SYSTEM



## **AP21-BH1 EXTRA LOUD BREAK BUZZER SYSTEM**

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

***PLUG and PLAY - NO WIRING REQUIRED . . .  
Single Schedule, Single Zone with up to 30 signals per day.***

The AP21-BH1 Buzzer System provides an Easy to Install Plug and Play solution for signaling shift changes, lunch, and breaks in small factories.

The system consists of an AP21LV Time Switch mounted in a keylocked box (7"W x 12"H x 4"D), pre-wired to a Four-Inch, Extra Loud Buzzer and a 120 VAC to 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.

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 AP21LV brochure and manual for details on programming and operation.

***TWO YEAR WARRANTY***



**APPLIED  
TECHNICAL  
SYSTEMS**

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## DESCRIPTION

The AP21-BH1 is a self-contained, Plug and Play, Extra Loud Buzzer Signal System for small factories. It uses the time proven AP21LV Time Switch as the programmer. The AP21LV has an AUTO PROMPTING, alpha-numeric display and a 16 key, positive action keyboard that makes programming fast and simple.

It includes a high quality, low-voltage, 4-inch, High Output Buzzer (100 dB), 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 the Buzzer, plug it in, and enter your program. **This Buzzer must be mounted at least 10 feet above employee work areas.**

## SPECIFICATIONS

### AP21LV PROGRAMMING CAPABILITIES

*EASY TO USE* - 16 character alphanumeric, LCD display and "Auto Prompt" software provides display information to guide the operator during programming.

*UP TO 30 POWERFUL PROGRAM STEPS* - Select either a 16 step or 30 step program size from the keyboard. Each program step can be programmed for any day of the week, or for all 5 weekdays, or for both weekend days, or for everyday of the week providing up to 105 ON's and 105 OFF's, for a total of 210 events per week.

*UP TO 10 SKIP PLANS* - A 16 step program has 10 skip plans, a 30 step program has 3. Each skip plan has a starting and ending date during which all events are skipped.

*PROGRAMMABLE DST ADJUSTMENT* - The AP21 Series Time Switches 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 relay can be manually controlled from the keyboard.

*PULSED / MOMENTARY OUTPUT* - The output can be programmed to operate as a momentary contact, programmable from 1 to 99 seconds.

*POWER FAIL BACKUP* - In the event of a power failure, program and time keeping are maintained for 48 hours on a rechargeable capacitive backup system. The relay output and the display are disabled during backup. There are no batteries to replace.

*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* - On/Off 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, 40VA Power Module included. Plugs into standard 120 VAC, 60 Hz outlet.

Output: Relay - Controls 24 VAC to Buzzer.

Buzzer: 4-Inch Buzzer, 24VAC, 0.9 Amps 100dB / 10 feet. Includes mounting box. Color - Gray.

Wiring: Pre-Wired with a 90 foot cable.

Enclosure: Painted steel (beige) with a hinged, keylocked door. Mounting hardware is provided (7" W x 12" H x 4" D).

Weight: Including the 4-inch Buzzer - 5 lbs.

Operating Temperature Range: 0 to 50 C.

### ADD-ON BUZZERS

The AP21-BH1 System can be expanded for larger work areas by adding power supplies and buzzers. Installation is required. Call for assistance.



8901-1411-R Relay Power Supply 24VAC, 4A.. Control Relay Input. Four fused outputs. Power cord included. Wall mount enclosure measures 12" x 12" x 4".

Power for up to four F-350-24 add-on Buzzers. Can be located over 1000 feet away from the AP21-BH1.

F-350-24 High Output Horn/Buzzer 24 VAC, 0.9A 100 dB at 10 feet. Covers up to 20,000 SQFT area.



F-3014 Weather-Proof Box Used indoors or outdoors for surface mounting the F-350-24