

Super Sync Technologies



OPERATING MANUAL FOR AUTOMATIC SCHOOL BELL Timer (Model - APB-AD)

Home Screen:

01 JAN WED 09:30
SUMMER P05 10:15

Manual mode: For ringing bell manually. Press '**Shift**' key when machine is at Home Screen. To ring press '**Inc**' key and to stop ringing press '**Dec**' key. Auto schedule won't work until machine is in Manual Model. To roll back to Auto-mode press '**Shift**' key.

MANUAL MODE
INC=ON DEC=Off

Programming the unit for automatic operation:

Press '**ENT**' key to enter into programming mode.
Use Shift key to scroll between the available options.

SET DATE & TIME
PROG SCHEDULES

(A) To set current date and time press '**ENT**' key on

SET DATE & TIME menu:

Use '**INC**' or '**DEC**' keys to increment/decrement the values and '**Shift**' to move the cursor. To save and revert to programming menu screen press '**ENT**' key.

01 JAN WED 09:30
CALENDAR & TIME

(B) After setting current date and time, use '**Shift**' key to move the cursor on PROG SCHEDULES

Press '**ENT**' key to select the menu. Through this menu, user can store **24 different time table schedules** in the machines. Each schedule can be programmed with **50 bells for a day**. So user can store 24 different schedules of 50 bells each covering all possible combinations of a year.

SET DATE & TIME
PROG SCHEDULES

On pressing '**ENT**' adjacent screen will appear. Enter the program schedule which you wish to edit between P-01 to P-24. Use '**Inc**' & '**Dec**' key to change the Program value and press '**Ent**'.

SELECT SCHEDULE
P-01

Adjacent screen will appear.

Machine will then ask to enter total bells required to ring in 24 hours. Maximum option of 50 bells is available. Use '**Inc**' & '**Dec**' Key to increment and decrement the value and '**Ent**' to save to move to next screen.

P-01 TOTAL BELLS
50

This screen shows Bell Time and ringing duration of 1st bell of the day. Use '**Inc**' key & '**Dec**' key to edit bell time. Use '**Shift**' key to move the cursor to Minutes and edit it. Again use '**Shift**' key to move cursor to edit ringing duration. Ringing duration can be anything between 01-99 seconds.

01 BELL TIME PRD
07:30 07 SEC

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As per the screen shown above bell will ring at 07:30 AM for 07 seconds. Likewise user can program the entire day schedule. Please note the clock works in 24 Hours clock schedule, so for programming 01:00 PM enter 13:00 hours. Use '**Ent**' key to save and move to next screen. After programming last bell of the day, press '**Ent**' to return to the Select Schedule Screen. Follow exactly same procedure to program all 24 Program Schedules.

SELECT SCHEDULE
P-01

To exit press 'Dec' key at P-01 adjacent menu will appear:
Press '**ENT**' to exit and return to the Programming Menu.

SELECT SCHEDULE
P-EX

SET DATE & TIME
PROG SCHEDULES

SUMMER WEEK DAYS
WINTER WEEK DAYS

Use '**Shift**' key twice to move cursor to adjacent screen.

(C) There are basically three modes of allotting various program schedules to various weekdays.

1. Summer Week Days.
2. Winter Week Days.
3. Exam Week Days.

Following is the process of programming Summer Weekdays. Likewise user can program weekdays for all remaining two modes.

(D) Summer Week Days: Use '**Ent**' key to on above menu to enter.

Adjacent screen will appear:

SUMMER WEEK DAYS
M - T - W - T - F - S - S - EX

The screen shows various week days of a week. Use '**Shift**' key to

Move the cursor and '**Ent**' to select. On pressing 'Ent' on any weekday from Monday to Sunday following screen will appear. I am taking an example of programming Thursday, Saturday and Sunday.

SUMMER WEEK DAYS
THU P??

While programming Thursday suppose I need to program schedule P15 to run for Thursday then I'll use '**Inc**' key to set the value as 15.

And press '**Ent**' to save and return to the weekday screen. Now whatever schedule is programmed in P15, will run on every Thursday automatically.

SUMMER WEEK DAYS
THU P15

Suppose I need to put Saturday and Sunday as my weekly holidays, I'll enter into respective weekdays will press 'Dec' once at P01 adjacent screen will appear.

Press '**Ent**' to save weekday as holiday.

SUMMER WEEK DAYS
THU OFF

Likewise user can program each day of the week with different schedules or as holiday.

To exit move cursor up to 'EX' using '**Shift**' and press '**Ent**' following screen will appear.

SUMMER WEEK DAYS
WINTER WEEK DAYS

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(E) PROG MONTHLY OFF: Use 'Shift' key thrice to move cursor to PROG MONTHLY OFF.

Press '**Ent**' key to select. Adjacent screen will appear.

EXAM WEEK DAYS
PROG MONTHLY OFF

The unit will seek the permission for monthly off.
If YES selected then machine will ask the date.

PROG MONTHLY OFF
YES NO

User has following options to select:

1. Any date of the month as fixed holiday.
2. Last Working day of the month. Machine will automatically Adjust between 28, 30 & 31st dates.
3. Second Saturday.

SELECT DATE
LASTDAY OF MONTH

SELECT DATE
SECOND SAT

Use 'Shift' key to twice to move to next screen.

SELECT DATE
25

EXAM WEEK DAYS
PROG MONTHLY OFF

(F) CALENDAR HOLIDAY: Here user can program upto 10 calendar Holidays for every month of year. So in total the number goes up to 120 Holidays a year.

CALENDAR HOLIDAY
EXIT PROGRAMMING

Press '**Ent**' key to select.

CALENDAR HOLIDAY
EXIT PROGRAMMING

Adjacent screen will appear. Select YES if we have calendar holidays Or NO to exit.

CALENDAR HOLIDAY
YES NO

On pressing YES, adjacent screen will appear. Change the Month Using '**Inc**' and '**Dec**' key and press '**Ent**' to select.

SELECT MONTH
AUG

Adjacent screen will appear:

?? ?? ?? ?? ??
?? ?? ?? ?? ??

Suppose I've 5 Holidays in AUG month as in dates 02, 09, 15, 24, 30
So I'll use '**Inc**' and '**Dec**' key to enter value, '**Shift**' to move cursor
And '**Ent**' to save. Repeated entries will automatically be deleted.
Likewise user can program 10 holidays for every month.

02 09 15 24 30
?? ?? ?? ?? ??

To Exit press '**Dec**' key when Cursor is at JAN, EXIT will appear, and press '**Ent**'.

SELECT MONTH
JAN

SELECT MONTH
EXIT

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(F). EXIT PROGRAMMING MODE:

Scroll cursor using '**Shift**' key to Exit Programming Option and Press '**Ent**'. Machine will scroll to Home Screen.

CALENDAR HOLIDAY
EXIT PROGRAMMING

How to switch between different Modes:

When Machine is at Home Screen press "**INC**" key, following screen will appear:

SELECT MODE
SUM WNT EXAM

To select:

1. SUMMER Mode: Press '**ENT**' Key when cursor is on **SUM**
2. WINTER Mode: Press '**SHIFT**' once, cursor will come at "**WNT**", press '**ENT**'.
3. Exam Mode: Press '**SHIFT**' twice, cursor will come at '**EXAM**', press '**ENT**'.

The mode selected once will run by default until it is switched to some other mode. Suppose from tomorrow WINTER schedule need to be executed, just switch to '**WNT**' mode and winter schedule will execute. Likewise user can switch as many times among these 3 modes and reduce the hassle of programming schedule every time.

Note: The program unit is featured with power on reset facility. So in case of any irregularity in next bell time just put off the unit for 30 sec and again put it on. System will recover from such problems.