



# SCHEDULER™

## FEATURES

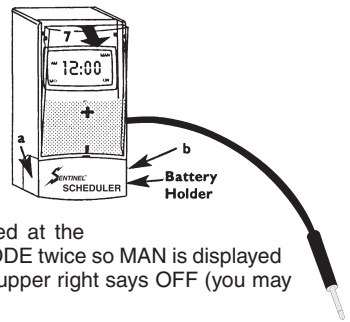
- Automatic or manual operation.
- Program up to 6 On/Off setting pairs (12 automatic switch settings).
- Each setting time can be once a week, every day, every weekday, or only on weekends.
- LCD Digital clock and readout.
- LCD Digital clock and readout.
- One AA Alkaline battery keeps time, operates scheduler, and keeps the program for up to 3 years.

## INSTALLATION INSTRUCTIONS

Attach Scheduler to Sentinel at velcro pad. Plug scheduler into ready jack.

### Battery Installation (if not already installed)

1. Grasp battery holder at side bumps (a, b) and pull straight out. Uses a standard AA alkaline battery. Set the battery in the battery holder (+ towards front of scheduler). Tuck battery under plastic tab of holder. Insert battery holder so it clicks into place.
2. Pull at notch at top edge to remove the clear/cover switch so you can use the programming buttons.
3. To stop the flashing display and turn switch to OFF. Push RESET button; Push MODE so CLK is displayed at the upper left; push H+ to stop the flashing display; push MODE twice so MAN is displayed at the upper right; push ON/OFF EVENT so display at upper right says OFF (you may hear the scheduler motor run and a clicking sound).
4. Your scheduler is now ready for use.



### Battery Replacement

The 1.5 VOLT alkaline battery should operate your scheduler for 3 years or more under typical conditions. High or low temperature or frequent use of the manual pushbutton will reduce the battery life. Replace the battery when the digital display is dim, the message 'lobAt' (meaning LOW BATTERY) is displayed, or if the Scheduler fails to operate. Press any button to clear the 'lobAt' message. The Scheduler has built-in memory protection providing at least 15 seconds to change a weak battery without losing your settings. Do not attempt to switch the Scheduler on or off while the battery is out or your settings will be lost and the Scheduler will need to be reset.

## PROGRAMMING AND OPERATING INSTRUCTIONS

### Introduction to Operations and Programming:

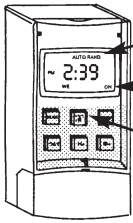
The Scheduler is a clock/timer/switch which enables or disables the Sentinel Alarm inputs according to the programmed times. The Scheduler can be set to Automatic/Manual ON or OFF. At any time you can push the clear cover/switch (ON/OFF/EVENT Button) to manually turn the switch ON (enables Sentinel to detect alarm & sensor inputs) or OFF (disables Sentinel alarm & sensor inputs), unless selected mode is CLK or PGM.

You can program up to 12 ON/OFF EVENTS; times when the scheduler automatically switches ON or OFF (up to 6 ON events and 6 OFF events). An EVENT can be set to switch at:

- any specific time, and day of the week,
- a specific time every day,
- a specific time on weekdays, or
- a specific time on weekends.

## Manual Override

Works like a light switch. Push and release the clear cover/switch (area over buttons) or the ON/OFF/EVENT button to switch ON or OFF.



- Works in AUTO, AUTO RAND (Not Recommended) or MAN MODES.
- You hear a motor/clicking sound.
- ON/OFF display changes.
- The program in AUTO or AUTORAND remains; it automatically switches ON or OFF at next programmed time.

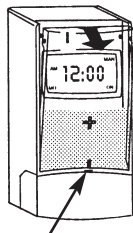
PUSH ON/OFF

## CONTROLS AND DISPLAYS

**Cover/Switch** (comes installed, remove permanently if you are concerned that it may accidentally be bumped or pushed)

The clear cover/switch actuates the manual ON/OFF control.

1. Pull at notch at top edge to remove cover so you can use the programming buttons.



**To replace cover/switch:**

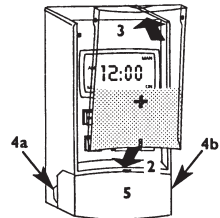
2. Set bottom in first.
3. Click in the top.

**To remove battery:**

4. Grasp holder at side bumps (4a, 4b) and pull straight out.

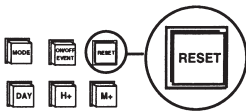
**To re-install battery:**

5. Place battery in holder with "+" end towards front of scheduler. Insert battery and holder into scheduler. Push at (5) so it clicks into place



Battery Holder

## PUSH BUTTONS:



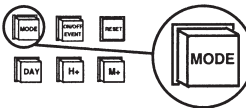
### RESET button

Recessed so you don't push it accidentally.

Push and release to reset:

When you press RESET:

- The mode switches to MAN.
- The switch is set to ON.
- The clock is set to MO 12:00 AM and flashes.
- All programmed ON or OFF times are set to null (at null, no switching occurs, clock displays --:--). (After pushing RESET, you must set the clock then set the ON/OFF times.)
- If NoOp appears in display, push battery cover in until you hear a click. Push reset button to clear display. Proceed with programming.



### MODE button

Push and release to change the mode (upper line of the display).

**CLK mode** - To set or change the time

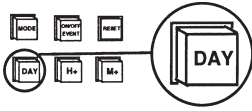
**PGM mode** - To set, review or change programmed ON/OFF times

**AUTO mode** - Programmed ON/OFF times work. Manual switching works.

**AUTO RAND mode** - Programmed ON/OFF times work and are randomly offset up to 15 minutes. Manual switching works.

**MAN mode** - Only manual switching works. Programmed ON/OFF times remain in memory.

The Mode button skips the AUTO modes if the time of day and/or the ON/OFF times have not been set.



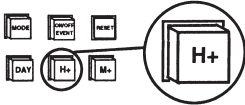
### DAY button

Function depends on the mode:

**CLK mode** - Push and release to cycle through the days of the week, MO, TU, WE, TH, FR, SA, SU. Push and hold to cycle quickly.

**PGM mode** - Push and release to cycle through all week, weekdays, weekend, individual days of the week and null; MO TU WE TH FR SA SU (all displayed at once is all week) MO TU WE TH FR (all displayed at once is weekdays) SA SU (displayed is weekend) MO, TU, WE, TH, FR, SA, and SU (are individual days) -- (on clock display is the null setting)

Use null to cancel an unwanted ON or OFF setting. The DAY button does nothing in AUTO, AUTO RAND, or MAN modes.



### H+ (hour) button

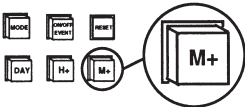
Works in CLK and PGM modes.

Push and release to cycle forward through the hours of the day.

Push and hold to cycle quickly.

AM and PM automatically switch at 12.

If you pass the correct hour, push and hold to cycle around again.



### M+ (minute) button

Works in CLK and PGM modes.

Push and release to cycle forward through the minutes.

Push and hold to cycle quickly.

If you pass the correct minute, push and hold to cycle around again.



### ON/OFF/EVENT button

Function depends on the mode:

CLK mode - ON/OFF/EVENT button does nothing.

PGM mode - Switches in order through the 12 programmable events: 1 ON, 1 OFF, 2 ON, 2 OFF, 3 ON, 3 OFF, 4 ON, 4 OFF, 5 ON, 5 OFF, 6 ON, 6 OFF.

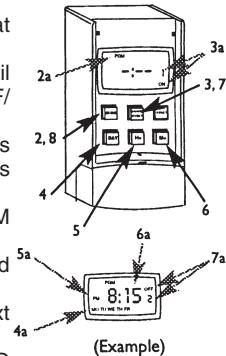
AUTO mode - Manually turns switch on or off.

AUTO RAND mode - Manually turns switch on or off.

MAN mode - Manually turns switch on or off.

## How to set, change, or review ON/OFF times

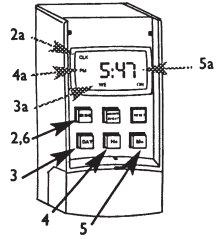
1. Remove clear cover/switch.
2. Push and release MODE button until PGM is displayed (2a). [at event 1 ON]
3. If necessary, push and release ON/OFF/EVENT button until event to set/change is displayed (3a), or push the ON/OFF/EVENT button repeatedly to review all the ON/OFF times.
4. Push and release DAY button until desired day or group of days is displayed (4a), or push and release the DAY button until "--:" is displayed, if you would like to cancel this ON or OFF time.
5. Push and release H+ button until desired event hour and AM/PM are displayed (5a).
6. Push and release M+ button until desired minutes are displayed (6a).
7. Push and release ON/OFF/EVENT button to choose the next event to set or change (7a).
8. Push and release MODE button to choose AUTO, AUTO RAND (not recommended), or MAN.
9. Replace clear cover/switch if desired.
10. Push and release clear cover/switch or ON/OFF/EVENT button to switch ON or OFF if necessary.



(Example)

**How to set or change the clock**

1. Remove the clear cover/switch (if still installed).
2. Push and release MODE button until CLK is displayed (2a).
3. Push and release DAY button until correct day of week is displayed (3a).
4. Push and release H+ button until hour and AM/PM are correct (4b).
5. Push and release MODE button to choose AUTO, AUTO RAND (not recommended) or MAN.
7. Replace clear cover/switch if desired.
8. Push and release clear cover/switch or ON/OFF/EVENT button to switch ON or OFF if necessary.



**Error Messages**

The “lobAt” message means the battery is low and needs to be replaced. Uses one standard AA alkaline battery. the display is “noOp” (Meaning no Operation) if the scheduler fails to operate. This can happen in very cold temperatures. Normal timer operation should resume at normal temperatures. Press any button to clear the message(s). If the “noOp” remains at normal temperatures with a fresh battery, scheduler needs to be replaced.

**TROUBLE SHOOTING GUIDE**

SYMPTOM	POSSIBLE CAUSE	REMEDY
Scheduler does not operate, display is dim, blank or unreadable, display shows nonsense or “lobAt”, or scheduler operates erratically.	Battery is worn out, missing or is installed backwards, or scheduler was operated while battery was removed.	Install a fresh AA size alkaline battery in the direction indicated. Press RESET button, then reprogram scheduler.
Scheduler does not switch but display is normal.	Scheduler not in AUTO, AUTO RAND, or MAN mode.	Use MODE button to select the desired operating mode.
Scheduler works manually but does not follow scheduled program.	Scheduler not in AUTO or AUTO RAND mode.	Use MODE button to select AUTO or AUTO RAND mode.
Scheduler won't enter the AUTO or AUTO RAND modes when MODE button is pushed.	Time of day an/or switching times are not programmed.	Make sure time of day and at least one scheduled activity are programmed.
Scheduler switches at incorrect times or skips some switching times.	Programmed schedule(s) are incorrect.	Review / Revise ALL 6 ON/OFF switching time pairs by repeatedly pushing the ON/OFF/EVENT button while in PGM mode.
	Time is in AUTO RAND mode (varies switching times up to +/- 15 minutes.	Use MODE button to select AUTO mode.
Display shows “noOp”.	Mechanism is inoperative.	If scheduler is in a very cold environment, try again when warmer. If not, and if the battery is good, the scheduler should be replaced. Push in battery cover until you hear a click. Push reset button to clear display and reprogram the unit. Replace device if noOp will not clear from display.



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