Bellman Alarm Clock
Be1341

Thank you for choosing products from Bellman & Symfon.

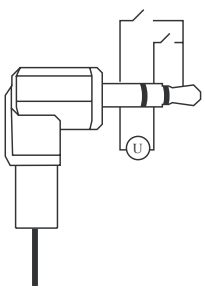
Bellman & Symfon AB have both separate products and also complete systems geared to helping people with impaired hearing. An example of this is the Bellman Visit 868 System, which consists of a number of radio transmitters and receivers. The transmitters detect different events in the surrounding area and transmit a radio signal to the receivers. The receivers pick up this signal and provide indications using light, sound and/or vibration.

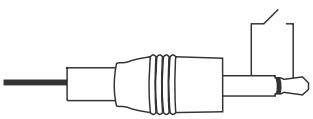
Read through the entire user manual first and then start to use the products.

Getting started

Unpacking, installing and testing the unit

1. Connect the power supply unit to the socket (12). The Bellman Alarm Clock must be connected to mains power for at least 24 hours in order to operate correctly. Set the correct time with the Time Setting Knob (11).
2. Switch on the alarm with the Alarm Dial (5) by turning it to position 1. Turn the alarm pointer anticlockwise using the Alarm Call Knob (10) until the alarm on the clock is activated. The Bellman Alarm Clock will then emit sound and light signals and, if a BE1270 Bellman Bed-shaker (accessory) is connected, it will vibrate. Press the Snooze Button (4). The background light on the clock face will come on at the same time as the alarm is switched off. The snooze function delays the alarm call for approximately 3.5 minutes. The Alarm Dial (5) is switched to position 0 to switch off the alarm completely.
3. Place the Bellman Alarm Clock upright on a level surface. The Alarm Clock is usually placed near the bed but it can also be placed somewhere else where it can easily be seen and heard. You can also easily take your Alarm Clock with you wherever you go.





Technical information

Power supply
Mains power: 7.5 V DC / 1500 mA with power supply unit BE9216 (Europe) and BE9217 (United Kingdom).
Battery power: Internal NiMh type back-up battery. The internal back-up battery must be changed at a service workshop.
Charging: Via the power supply unit. The discharged back-up battery will take at least 24 hours to charge.

Activation
Alarm call: Built-in clock/alarm call function
Analogue telephone network: 26 - 120 V RMS, 15 - 100 Hz.
External trigger: 3.5 mm stereo (mono provides a connection) jack plug.
Connection: between the inner and outer pins of the mono type 3.5 mm jack plug or between the middle/inner and outer pins of the stereo type 3.5 mm jack plug, see diagram.
DC: 2 to 30 V between the inner pin and middle pin on the stereo type 3.5 mm jack plug, see diagram.
AC: 3 to 24 V RMS 5 -150 Hz between the inner pin and middle pin on the stereo type 3.5 mm jack plug, see diagram.

Output signals
Built-in sound signal: 80 dBA maximum at 1 metre with a main frequency range of 500 - 1000 Hz.
Built-in flash light signal: Approx. 10 Candela. **Warning! Flashes can cause epileptic attacks.**
Vibrator power: 2.0 - 4.0 V DC

Additional information
For indoor use only
Storlek W x H x D: 110 x 130 x 92 mm
Weight: 460 g
Colour: White with red base and red buttons/dials
Flex length: Power supply unit 1.8 m

Accessories
Bellman Bed Vibrator BE1270
Bellman External Trigger Cable BE9086
Bellman Telephone Flex BE9105
Adapter plug for the appropriate country

Function

General

The BE 1341 Bellman Alarm Clock is an Alarm Clock for indoor use, which attracts the attention of the user using sound and light signals and also vibration if a BE1270 Bellman Bed-shaker (accessory) is connected.

It is activated by the clock's alarm, by connection to an external trigger input (13) or via direct connection to a telephone socket (15).

Clock

The Bellman Alarm Clock will indicate an alarm call via sound, flash and vibration for up to 15 minutes unless the alarm is turned off or onto snooze. The sound ranges across several frequencies and increases in volume to attract attention better.

Setting the current time

Set the correct time with the Time Setting Knob (11).

Setting an alarm call

Turn the Alarm Pointer anticlockwise to the desired call time using the Alarm Call Knob (10).

Activate the alarm by turning the Alarm Dial (5) to position 1. If the power supply unit is connected, the LEDs in the Snooze Button (4) will light up.

Snooze function

The snooze button lights when the alarm is activated and blinks when the snooze function is activated. To conserve the built-in back-up battery, the snooze button will not light or blink when the external power supply is disconnected, e.g. during a power failure.

The snooze function on the alarm delays the alarm call for approximately 3.5 minutes by pressing the Snooze Button (4). During this time the LEDs in the Snooze Button (4) will blink.

Switching off the alarm call

The alarm is switched off completely by switching the Alarm Dial (5) to position 0.

Illumination of the clock face

The clock ace's background light will come on when the alarm clock sounds or the snooze button (4) is pressed.

Telephone connection

The telephone is connected via the Telephone Input (15). Use the BE9105 Telephone Flex (accessory) and an adapter plug (accessory).

During activation via the telephone connection (15), further activations can be ignored for 45 seconds if the Snooze Button (4) is pressed.

External trigger

It is possible to connect the vibrator output on several o Bellman & Sym on AB's products or other equipment that produces a contact or voltage to an external trigger (13) for activation. In this way the Bellman Alarm Clock can be made to work as alarm equipment, e.g. for an existing fire alarm.

During activation via the External Trigger (13), further activations can be disregarded for 45 seconds if the Snooze Button (4) is pressed.

Indicators and Signals

Sound

The Bellman Alarm Clock sounds an alarm. The sound volume is 80 dBA maximum at 1 metre.

The main frequency range is 500 - 1000 Hz.

Ljudet kan stängas av med Ljudomkopplaren (7).

Flashing light

When the Bellman Alarm Clock is activated, 4 built-in flashing lights (17) flash with a

bright white light.

The flashing light can be switched off via the Flash Switch (9).

Vibration

The Bellman Alarm Clock can power two BE1270 Bellman Bed-shakers (accessory) which

are placed under the pillow to wake the user up when the Bellman Alarm Clock is activated

The Bed-shaker is connected to the sockets (14).

Power supply

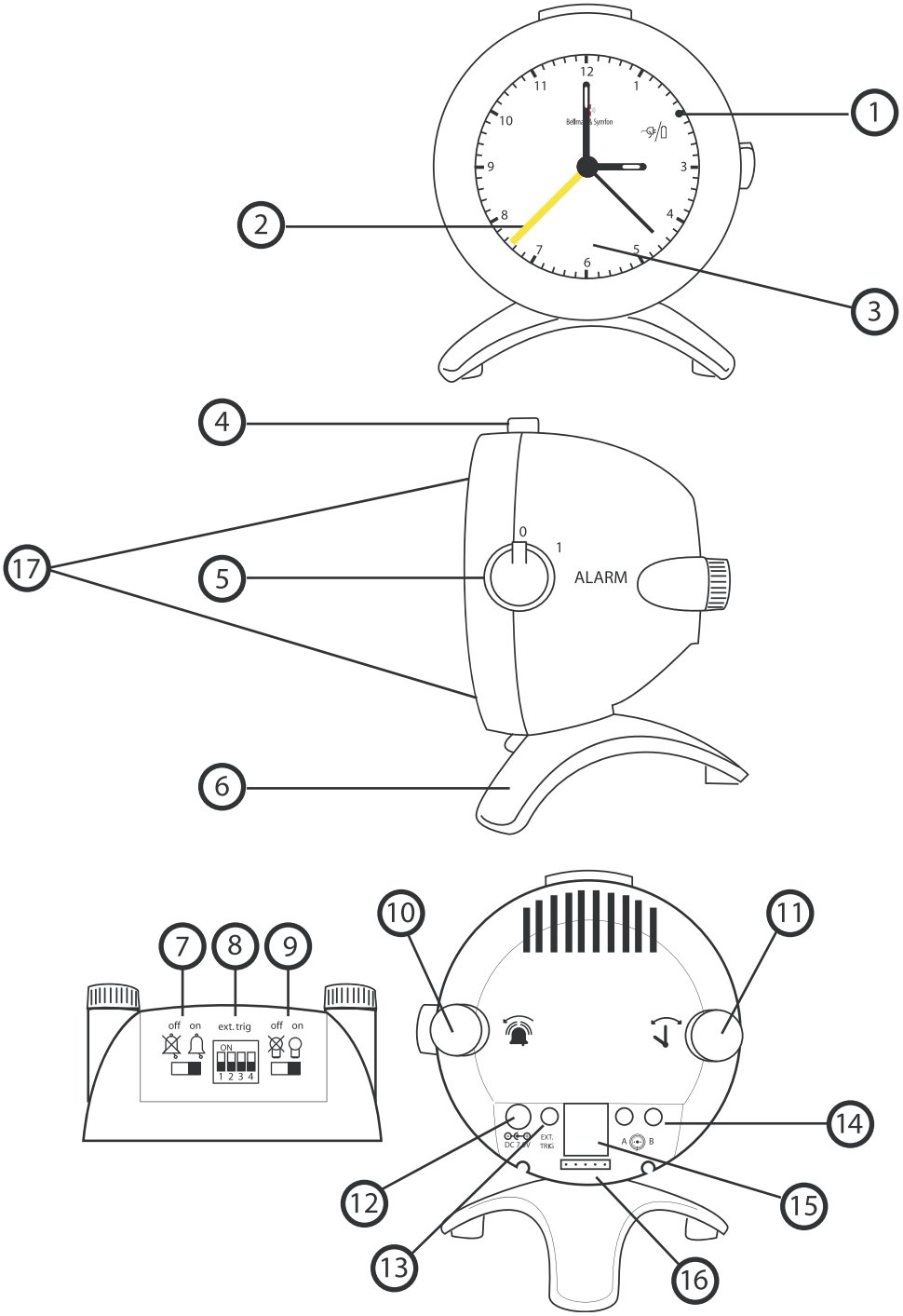
The LED (1) is constantly green when the power supply unit is connected correctly.

When the LED (1) blinks green, the internal back-up battery is charged, but the Alarm Clock has no external power supply, either because of a power failure or because the power supply unit is not connected.

When the LED (1) blinks yellow, the back-up battery is nearly flat and the Alarm Clock has no external power supply, either because of a power failure or because the power supply unit is not connected. The battery must be charged by connecting the power supply unit and allowing the Alarm Clock to charge for at least 24 hours.

Troubleshooting in brief

Symptom	Solution
Nothing happens.	• Check that the power supply unit is connected correctly and that the LED (1) is constantly green.
The LED (1) blinks.	• Check that the power supply unit is connected correctly.
The LEDs in the Snooze Button (4) do not come on when the alarm clock is switched on.	• Check that the power supply unit is connected correctly.
The Alarm Clock does not emit any sound signals.	• Check that the Sound Switch (7) is in the ON position.
The Alarm Clock does not emit any lash signals.	• Check that the Flash Switch (9) is in the ON position.



1. Power supply LED
2. Alarm pointer
3. Illuminated clock face
4. Illuminated snooze button
5. Alarm dial
6. Base
7. Sound switch
8. Signal switches for external trigger
9. Flash switch
10. Alarm call knob
11. Time setting knob
12. Input for power supply unit
13. External trigger input.
14. Vibrator output
15. Analogue telephone input
16. Programming switch
17. Flashing lights

Appendix - Further information

Further information

Adjustments

No adjustments apart from setting the time and selecting the call time are required for normal use. The relevant descriptions are provided below, if you wish to change a setting for some reason.

Signal pattern on external trigger

The signal type set during external activation and indicators and signals activated by an external trigger can be altered using the switches (8), see figure below.

DIP switch settings Up, Down, Not Used	LED pattern	Sound	Vibration	Flash
	Green is constantly lit	1 x ding dong, low-frequency tone	Separate	Yes
	Green blinks constantly	2 x ding dong, high-frequency tone	Separate	Yes
	Yellow is constantly lit	1 x ring, low-frequency tone	Short	Yes
	Yellow blinks constantly	2 x ring ring, high-frequency tone	Short	Yes
	Orange blinks constantly	Baby	Rapid	Yes
	Orange blinks constantly	Baby	Rapid	Yes
	Red and Orange constantly blink alternately	VMA constant	Long	Yes
	Red blinks constantly	Fire alarm constant	Long	Yes

Testing

It is easy to test the Bellman Alarm Clock, BE1341. If the Alarm Clock does not work as described below, you can check further under Troubleshooting guide.

How to test

The BE1341 Bellman Alarm Clock should always be connected to the electric socket with the enclosed power supply unit.

To test the flashing light, sound and vibration with the BE1270 Bellman Bed-shaker (accessory):

- Switch on the alarm with the Alarm Dial (5) by turning it to position 1
- Turn the Alarm Pointer anticlockwise using the Alarm Call Knob (10) until the alarm on the clock is activated.
- The Bellman Alarm Clock will give the ollowing indications:
  - o Switching on clock face background illumination (3).
  - o Flashing with the flashing lights (17) on the front, provided that the Flash Switch (9) is in the ON position.
  - o Emitting a sound signal, provided that the sound switch (7) is in the ON position.
  - o A BE1270 Bellman Bed-shaker (accessory) will vibrate if connected

Two tests are required to carry out a full test of the external trigger; one to test contact and another to test voltage. For further information see Activation. Please note that when the Snooze Button (4) is pressed during an alarm from an external trigger, any further alarm via the external trigger will be ignored for 45 seconds.

- Connect the alarm unit to the external trigger input (13).
- Activate the alarm.
- The Bellman Alarm Clock will give the ollowing indications:
  - o Flashing with the flashing lights (17) on the front, provided that the Flash Switch (9) is in the ON position.
  - o Emitting the sound signal selected via the external trigger signal switch (8), provided that the Sound Switch (7) is in the ON position.
  - o If the BE1270 Bellman Bed Shaker (accessory) is connected, it will vibrate in the way selected via the external trigger signal switch (13).

To test the builtin telephone connection:

- Connect input (15) on the Bellman Alarm Clock to an analogue telephone socket using a BE9105 telephone flex (accessory) and an adapter plug (accessory).
- Ring the telephone number
- The Bellman Alarm Clock will give the ollowing indications:
  - o Flashing with the flashing lights (17) on the front, provided that the Flash Switch (9) is in the ON position.
  - o Emitting a ring-type sound signal, provided that the Sound Switch (7) is in the ON position.
  - o The BE1270 Bellman Bed Vibrator (accessory) will vibrate if connected

Trouble shooting

You can carry out a number of checks yourself before sending a product for repair.

Troubleshooting guide

Symptom	Solution
Nothing happens.	• Check that the power supply unit is connected correctly.
The LED (1) blinks.	• Check that the power supply unit is connected correctly.
The LEDs in the Snooze Button (4) do not come on when the alarm clock is switched on.	• Check that the power supply unit is connected correctly.
The Alarm Clock does not emit any sound signals.	• Check that the Sound Switch (7) is in the ON position.
The Alarm Clock does not emit any lash signals.	• Check that the Flash Switch (9) is in the ON position.