DETECT USA

alerting transmitter

GB user guide

PhonicEar

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DETECT function

DETECT is one of the PUZZLE system's alerting transmitters. DETECT picks up the sound from an alarm (e.g., doorbell, entry phone, telephone, smoke detector, kitchen timer, etc.) and a cordless alarm signal is then sent to the PUZZLE system's receiver. DETECT works with the following receivers in the PUZZLE system: CALL, FLASH, WAKE, POCKETVIB, LOOP, BEAM, and LINK.

DETECT features

1. **status light**
   To indicate that unit is transmitting
2. **battery test button**
3. **input connector**
   To connect using cable
4. **telephone/micro-phone connector**
   To connect to telephone wall socket using cable or to connect external microphone cartridge
5. **sensitivity control**
   To adjust sensitivity level at which unit will detect sound
6. **channel tuner**
   To select personal code and adjust frequency filter
7. **alarm switch**
   To select alarm pattern
8. **filter switch**
   To deactivate frequency filter

DETECT features

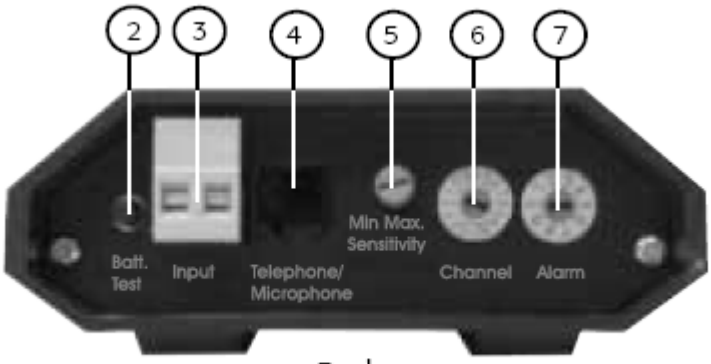
(9) microphone switch
To select between internal or external microphone

(10) internal microphone

(11) screwdriver
Used to set personal code and alarm patterns

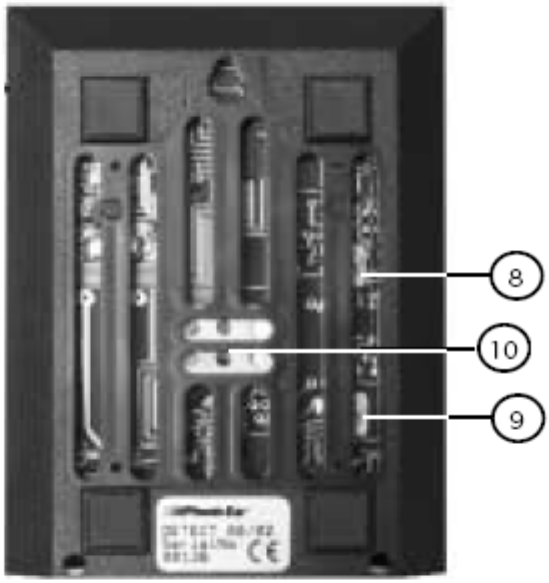
DETECT features

Front



Back

DETECT features

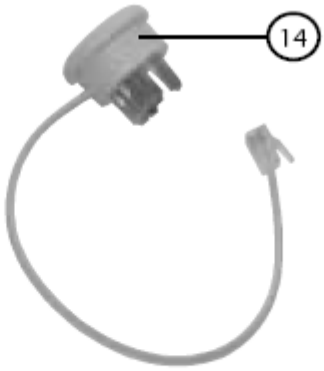


Bottom

DETECT accessories (available separately)

(13) external microphone
Can be used to pick up more complicated sound sources

(14) telephone cable (country specific)
To connect between DETECT and telephone wall socket



DETECT instructions

1

7

DETECT instructions

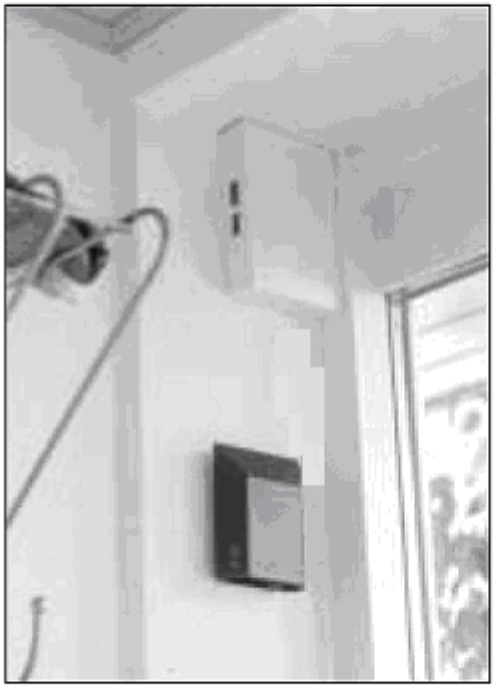
2 position DETECT unit

Place DETECT as close as possible to the alarm you wish to hear (like the doorbell or telephone).

NOTE: *The closer you can place it to the sound source, the less chance there will be for false alarms.*

DETECT instructions

3 mounting options



DETECT can be fixed to the wall by velcro tape (being careful not to cover the microphone) or by a screw.

NOTE: *DETECT should always be placed on a flat surface.*

DETECT instructions

4a adjusting frequency filter

Your DETECT is sensitive to a wide range of common household sounds or frequencies. In order to reduce the risk of false alarms, you must tune your DETECT to be most sensitive to the one sound or frequency you want it to respond to.

DETECT instructions

4b adjusting frequency filter

To do this first set the microphone sensitivity to max. See 7a and 7b. Then set the tuner marked **Channel** to F and turn DETECT off and on (set the **Alarm** tuner to 8 or 9). See 5a and 5b. Activate your sound source (i.e., ring the doorbell or call the house from a cell phone so that the telephone rings). If the red light on DETECT doesn't light when the sound source is active, turn the **Channel** tuner one step clockwise to E, D, and so on until it does light. Remember to turn DETECT off and on after each step of the **Channel** tuner). See 5a and 5b. If the red light still doesn't light by the time the **Channel** tuner has been turned clockwise to 0, deactivate the frequency filter and adjust sensitivity. See 8.

DETECT instructions

English

5a select alarm patterns

Alarm patterns that DETECT sends to the PUZZLE system's receivers are selected by using the tuner marked **Alarm** on the back of DETECT.

NOTE: *Use the screw-driver included with DETECT to turn dial to desired setting.*

DETECT instructions

5b select alarm patterns

Positions 1-7 are all different alarm patterns which can be sent to the PUZZLE system's receivers when DETECT is activated.

Selection of position 0 sends an alarm pattern for a battery change. Selection of position 8 or 9 switches DETECT off.

If you select, for example, alarm pattern 1 for the DETECT that is placed by the doorbell then you should select alarm pattern 2 for the DETECT placed by the telephone, and so on. Each alarm has its own alarm pattern so the user can become familiar with the different alarms.

DETECT instructions

6 select personal code

NOTE: *Use the screwdriver included with DETECT to turn dial to desired setting.*

Use the tuner marked **Channel** on the back of DETECT to set personal code. The PUZZLE system's different receivers should be set to the same personal code.

It is important to adjust frequency filter before selecting the personal code. See 4a and 4b.

NOTE: *To avoid changing the frequency filter make sure DETECT is turned on before selecting personal code (**Alarm** tuner should be set to 1-7). See 5b.*

DETECT instructions

7a adjusting microphone sensitivity

DETECT's microphone sensitivity should be adjusted as low as possible to minimize the possibility of false alarms. To do this use the **Sensitivity** control on the back of DETECT.

Turn control completely counterclockwise to achieve minimum sensitivity.

Then turn control slowly clockwise at the same time the phone or doorbell is ringing.

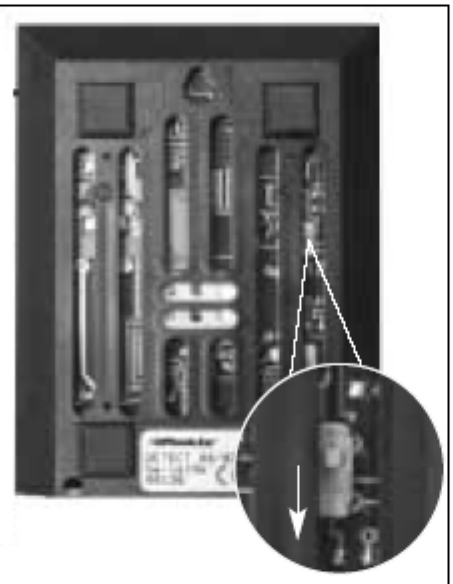
DETECT instructions

7b adjusting microphone sensitivity

When the red light on the front of DETECT just comes on, or when one of the PUZZLE system's receivers just begins emitting a signal, sensitivity is correctly adjusted.

DETECT instructions

8 deactivating frequency filter



NOTE: *Use the screwdriver included with DETECT to deactivate frequency filter.*

If you have an alarm with dark/deep tones (bass) it may be necessary to deactivate the frequency filter by changing the position of the switch, which is visible in the oblong holes on the bottom of DETECT.

Push the switch toward the back of the unit and repeat the adjustment described in 7a and 7b .

DETECT instructions

9 connect external microphone

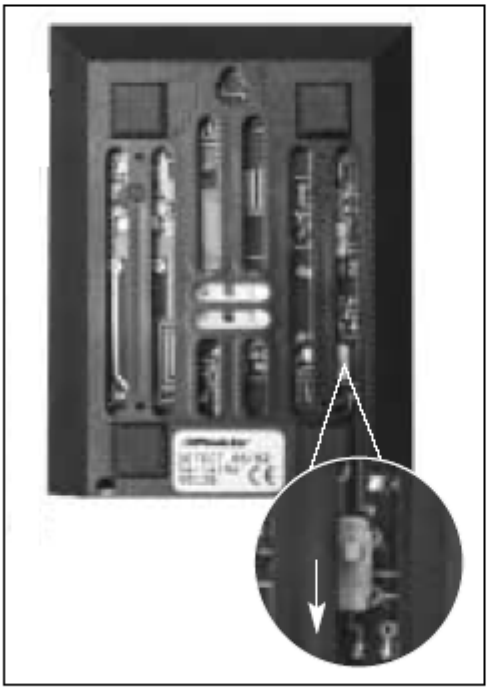
To use DETECT with the external microphone plug the external microphone cartridge into the **Telephone/ Microphone** connector.

An external microphone can be used to pick up more complicated sound sources, if the volume of the sound is too weak for the internal microphone to detect.

NOTE: *The external microphone is an optional accessory.*

DETECT instructions

10 microphone selection



Set the microphone selector to external microphone moving the switch towards the back panel or to internal microphone moving the switch towards the front.

NOTE: *Use the screwdriver included with DETECT to set the microphone selector.*

DETECT instructions

11 setting up external microphone

Remove the tape cover on the bottom of the external microphone and place the microphone over the sound source.

Adjust the microphone sensitivity following the procedure of 7a and 7b.

NOTE: *The external microphone is an optional accessory.*

DETECT instructions

12 connect input

NOTE: *If it is necessary to use this connection, it is recommended that authorized personnel complete the installation.*

Use the **Input** connection in case detecting sound via the integrated or external microphone fails.

Input connection is activated if the two terminals are shortcircuited or if a voltage between 3-24V AC or DC is connected to the two terminals.

When the connection is activated, DETECT sends the alarm that has been selected by the **Alarm** tuner on the back.

DETECT instructions

13 telephone input

NOTE: *This input can be used when detection of the telephone ringing via the microphone fails to work properly. The microphone sensitivity must be set to minimum. See 7a and 7b. Deactivate frequency filter. See 8.*

The telephone input is connected to the telephone wall socket using a telephone cable. The telephone cable is country specific and optional. The telephone input is activated when the telephone is ringing.

When the connection is activated, DETECT sends the alarm that has been selected by the **Alarm** tuner on the back of the unit.

DETECT instructions

14 test the battery

Press the **battery test** button at regular intervals to test the capacity of the battery. The red light on the front of DETECT should light. If it doesn't, follow the troubleshooting steps on page 24.

troubleshooting

Should your DETECT alerting transmitter not function satisfactorily, please check the list below:

The red light on the front of DETECT unit does not light when the button marked "Batt Test" on the back of DETECT is pressed.

- Check that the tuner marked **Alarm** on the back of DETECT is not in position 8 or 9 (in these positions DETECT is turned off).
- Get an authorized person to change the battery.

The red light on the front of DETECT lights when the button marked "Batt Test" on the back of DETECT is pressed, but DETECT does not react when an alarm signal (like a doorbell or telephone) is activated.

- Check that the microphone sensitivity is correctly adjusted. See 7a and 7b. If the problem persists consider using the external microphone option.
- Turn the control marked **Sensitivity** on of the back of

the unit fully counterclockwise and test DETECT at different places near the alarm (e.g., doorbell or telephone).

The red light on the front of DETECT unit comes on when the button marked "Batt Test" on the back of DETECT is pressed, but only some or none of the PUZZLE system's receivers emit an alarm.

- Check that DETECT and the PUZZLE system's receivers are using the same personal code. See 6.

The PUZZLE system emits signals without apparent reason.

- Check that the microphone sensitivity is correctly adjusted. See 7a and 7b. If the problem persists consider using the external microphone option.
- Change the personal code by using the tuner marked **Channel** on the back of DETECT. See 6.

If you still have trouble after trying the ideas above please contact your local authorized Phonic Ear representative/installer.

Contact information:
Phonic Ear A/S
Strandvejen 58
2900 Hellerup
Denmark

safety precautions

Warning

Lithium battery inside. Fire, explosion and severe burn hazard if the battery is incorrectly replaced. Do not recharge, disemble, heat above 100C/212F, incinerate, or expose to water or direct sunlight.

To prevent short circuits do not allow metal objects to touch battery or telephone/microphone connectors.

Do not dissemble, modify, or put pressure on this product to avoid damaging electronic circuitry, which may impair safety features.

Important note

Lithium batteries should not be opened or burned. Exposure to the ingrediants contained within or cumbusted products may be harmful.

warranty

A one-year limited warranty is issued to the original consumer of this product(s) by Phonic Ear (two years inside the EU).

time period of warranty

This warranty will go into effect upon the date of original purchase of this equipment, and will remain in effect for one calendar year from that date as long as the instrument remains the property of the original consumer.

what is covered by this warranty

Any electronic component which, because of workmanship, manufacturing, or design defects, fails to function properly under normal use during the life of this warranty will be replaced or repaired at no charge for parts or labor when returned to the factory service center. Transportation in is paid by the customer. If it is determined that repair is not feasible, the entire unit may be replaced with an equivalent unit upon mutual agreement of the manufacturer and customer.

what is not covered by this warranty

1. Malfunctions resulting from abuse, neglect, or accident.
2. Peripheral accessories as itemized within the product brochure, when such items are returned after 90 days from the original purchase.
3. Alkaline batteries (if applicable).
4. Instruments connected, installed, used, or adjusted in a manner contrary to instructions provided by the manufacturer.
5. Consequential damages and damages resulting from delay or loss of this instrument. The exclusive remedy under this warranty is strictly limited to repair or replacement as herein provided.

warranty (cont'd)

6 Products damaged in transit unless investigated by the shipper and returned to the warrantor with the investigation report.

Phonic Ear reserves the right to make changes in the design or construction of any of its instruments at any time without incurring any obligation to make any changes whatsoever on units previously purchased. This warranty is in lieu of all other expressed warranties. All expressed and implied warranties will terminate upon the expiration of this written warranty. No representative or person is authorized to represent or assume for us any liability in connection with the sale or use of our products other than as set forth above.

The above warranty does not affect any legal rights that you might have under applicable national legislation governing sale of consumer goods. Your distributor may have issued a warranty that goes beyond the clauses of this limited warranty. Please consult your distributor for further information.

what to do if you need service

If you require service under the terms of this warranty, carefully package the instrument to prevent damage and return it to your distributor (see information on back cover). Please provide your receipt, a detailed description of the problem, your full name, billing address, and telephone number.

Notice : The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCCRULES. OPERATIONS IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE AND(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFEERENCE THAT MAY CAUSE UNDESRIED OPERATION.

The term "IC:" before the radio certification number only signifies that Industry Canada Technical specifications were met. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Your local representative:

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u.s.: 800.227.0735, then press 7 • **canada:** 800.263.8700
website: www.phonicear.dk

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