

TAKEX

VOICE SPEAKER

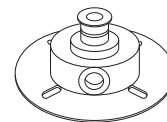
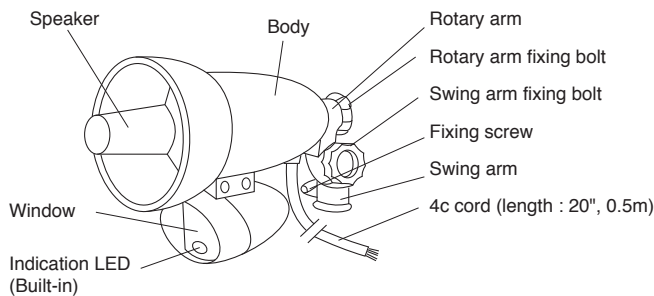
AV-100E (POWER:12VDC)

Instruction Manual

Thank you for purchasing a TAKEX product. Please read this Instruction Manual carefully for correct and effective use.

Please Note : This voice speaker is designed to give an message after being triggered by a PIR etc. : it is not a burglary-preventing device. TAKEX is not responsible for damage or losses caused by accident, theft, Acts of God (including inductive lightning), abuse, misuse, abnormal usage, faulty installation or improper maintenance. Regular maintenance and inspection (at least annually) by the installer and frequent testing by the user are vital to continuous satisfactory operation of any system.

1 PARTS DESCRIPTION



Mounting Flange



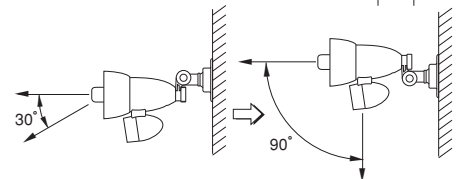
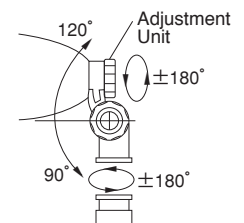
Self Tapping Screws
φ4x30 : 4 pcs.

2 PRECAUTIONS **Be sure to observe**

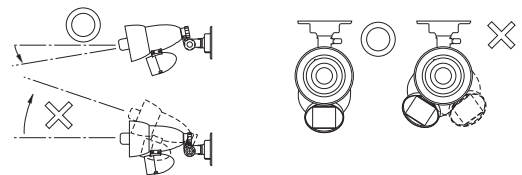
- Do not disassemble or modify this device. This may cause a fire, electrical shock, or malfunction of the device.
- If the following events occur, turn off the power of the unit immediately, and ask the place of purchase for repair. Failure to follow this may result in fire, electric shock, and/or malfunction.
 - Smoke, abnormal odor, and/or sound are found
 - Liquid, such as water, and/or foreign material has entered the unit
 - The unit has deformed and/or damaged parts
- Do not apply impact to the unit.
Strong impact may result in performance deterioration and/or damage to the unit.
- The unit may not operate properly near devices that generate a strong electric or magnetic field.
Also, devices near the unit may not operate properly due to the magnetic field and/or magnetism generated from the unit.
Make sure to confirm before operation.
- Make sure to perform a sufficient operation check on the whole system before operation.
- Sound playback time is approx. 12 secs. During playback, further input signals does not extend the time period, or repeat playback.
- Do not splash water on to the speaker, although it is rain-proof, it is not water-proof.
- Give careful consideration to sound volume level, especially if used at night.

3 ANGLE ADJUSTMENT

Angle adjustment unit with three-part rotation mechanism as drawn right makes it to adjust many angles. Adjustment angles are limited as shown in the below diagrams. Change to install as right figure.



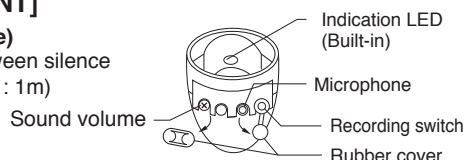
- Install the voice speaker to face downwards.
- Install the window to be vertically beneath the body.



4 HOW TO RECORD AND ADJUST

[ADJUSTMENT]

(Sound volume)
Adjustable between silence to max. (100dB : 1m)



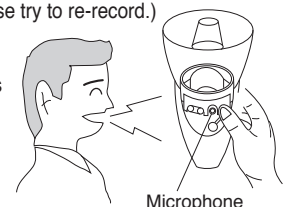
[RECORDING]

- (1) Sensor - Remove the cover of microphone on the bottom.
- (2) Turn on the power supply.
- (3) While pressing the recording switch and record with keeping 10cm away sound source (mouth etc.) from the microphone. Release the recording switch when the recording is finished.

*Record level function is also equipped with INDICATION LED. LED blinking while recording is a right level.
(Over level : LED off, Below level : LED on)

- (4) Check the recorded message by short-circuiting the input signal line. (If the message is not recorded correctly, please try to re-record.)
- (5) Put the microphone cover back in place.

- *Record the message in a room where there is no noise and the wind does not blow.
- *Record time is while a recording switch is being pressed. (Max. 12 seconds.)
- *Be careful so as not to press the recording switch after recording.



- If the recording switch is pressed, the previous recorded message are deleted by overwriting
- *Do not record mechanical sounds such as buzzer or siren. It gives a load to the speaker and may cause a malfunction.
- *The recorded message will not disappear even if it is stored in non-energized state.

5 WIRING

CONNECTION

SPECIAL NOTICE
 If the mounting flange is used, set it so that the wiring hole is underneath. Ensure sufficient rain proof treatment is given to the surrounding of the flange, fixing screws and wiring hole.

8 SPECIFICATIONS

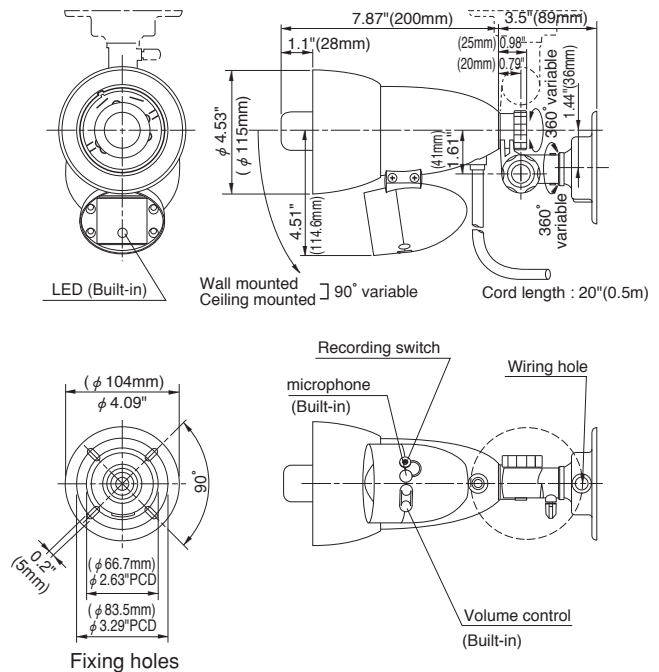
Description	Voice Speaker
Model	AV-100E
Power supply	10 to 14VDC (non-polarity)
Current consumption	20mA or less(Standing by) 500mA or less (Max.)
Alarm input	Dry contact relay : N.O. (contact capacity:10mA)
Sound synthesis method	PCM method
Record method	Built-in condenser microphone
Record / Playback time	Max 12 secs.
Sound output	Operation : One-shot playback (12 sec.) by alarm input signal (No retrigger during playback) Sound volume : Max.100dB/2W(1m ahead) at right recording level Adjustable from 0 to Max by volume switch
Indication LED	Recording level is indicated : "Blinking" : good "ON" : too low "OFF": tooloud Playback : ON(during playback)
Ambient temperature	-20°C to + 50°C without condensation and freeze
Mounting position	Indoor / outdoor (rainproof)
Weight	Apprcx.1000g
Appearance	Body: Resin(Black)

6 INSTALLATION

⊘ Do not install this device in a location that cannot support its weight. This may cause the device to fall and cause an injury or malfunction of the device.

- (1) Complete Recording. (See 4.)
- (2) Select installation position which should be vertical.
(See 2,3.)
- (3) Complete wiring.
- (4) Fix flange by tapping screws, 4pcs, attached.
- (5) Insert body to mounting flange by loosening fixing screw of rotary arm.
- (6) Loosen slightly Rotary arm fixing volt, fixing volt, Swing arm fixing volt and fixing screw of Rotary arm. Decided the angle of the speaker, tighten all the volts/screws again.
- (7) Put the power on.
- (8) Input an external signal and confirm the operation. Adjust sound volume.

9 EXTERNAL DIMENSIONS



7 TROUBLESHOOTINGS

Symptom	How to check problems	Remedy
Inactive at all	●No power (including wire break).	●Check power cord and power voltage are right.
	●Too low power voltage.	
	●Check the wiring of input signal line.	●Correct wiring.
Malfunction continues	●The contact of input signal is N.C.	●Correct the contact of input signal to N.O.

Limited Warranty :

TAKEX products are warranted to be free from defects in material and workmanship for 12 months from original date of shipment. Our warranty does not cover damage or failure caused by Acts of God, abuse misuse, abnormal usage, faulty installation, improper maintenance or any repairs other than those provided by TAKEX. All implied warranties with respect to TAKEX, including implied warranties for merchantability and implied warranties for fitness, are limited in duration to 12 months from original date of shipment. During the Warranty Period, TAKEX will repair or replace, at its sole option, free of charge, any defective parts returned prepaid. Please provide the model number of the products, original date of shipment and nature of difficulty being experienced. There will be charges rendered for product repairs made after our Warranty Period has expired.

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