

Indoor/Outdoor  
with Output  
contact

# SENSOR SPEAKER

PV-12 (Power:12VDC with output contact)



Recording  
&  
Playback



*Sensor Speaker is designed to detect movement when the sensor detects people or cars, it switches on the announcement recorded in the internal speech synthesised LSI.*

## ■General Description

Sensor Speaker is the product which combines a passive infrared sensor to detect the infrared (=body temperature) emitted from a human body or vehicles and trigger the speech synthesis LSI. Sensor Speaker is designed for wide applications such as an announcement speaker in various institutions or alarm/warning speaker at dangerous areas or construction sites.

## Genuine speech synthesis device with PIR sensor.

It sends a message only when the built-in sensor detects people or cars. The horn speaker with max. 100dB/1m will be suitable for professional use.

## Easy recording and playback.

Max. recording time:8 sec. Simple recording by facing the microphone. Possible to record various messages any time, so applications are variable.

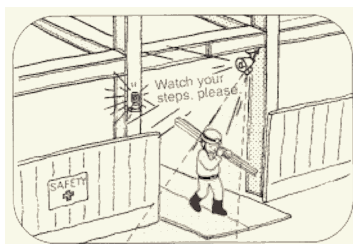
## Output contact convenient to trigger other systems.

Dry contact relay equipped. Easy to connect to lights, chimes buzzer, and camera system, etc.

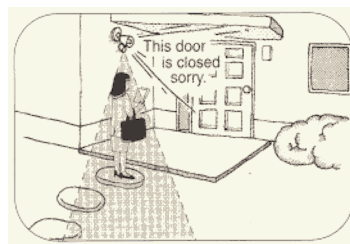
## Others

- Sound volume adjustment.
- Memory back-up; max.20 days record reserved after power off.
- Rain proof.

## ■For various applications:



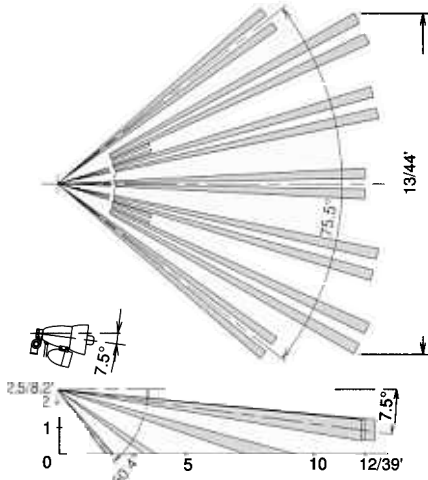
- Alarm/warning speaker at constructions site



- Announcement speaker at houses

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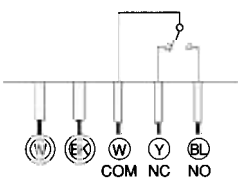
## Coverage (m/feet)



## Wiring

(PV-12)

5 core rubber insulated flexible cable



Power (thick)	Dry contact output 1c (thin)
12V DC ± 2V (non-polarity) Max 500mA	30V AC/DC up to 0.5A (Resistance load)

## Specifications

Model description	Sensor Speaker
Model Number	PV-12
Detection system	Passive infrared
Detection area	Wide angle max. 12m (39')
Sensitive zone	24 lines (12 twins)
Sensitivity adjustment	Approx. 20 - 180% variable
Supply power	12 ± 2VDC (non-polarity)
Power stand by	within 20mA
Consumption operation	within 500mA (max. Vol.)
Detection output signal	Dry contact relay output Contact capa. : 30V AC/DC, 0.5A Output time : 8 sec. (playback time)
Warming-up time	Approx. 60 sec. (recordable only)
Speech synthesis method	ADM Method (speech LSI solid recording)
Recording method	Internal condenser mic.
Record/playback time	8 sec. (speech memory : 256kbits RAM)
Record memory backup time	More than 20 days under no electricity (Temp. -25°C (-13° F) battery charged more than 30 minutes.)
Sound output operation	One-shot playback (8 sec.) by input (detection signal) (No retrigger during play back)
Sound output	Max. 2W more than 100dB Subject to good recording.
Sound volume	Variable from zero to max.
Operation LED	(Recording) level indicator: good: flickering, small: lights on, big: off. (Playback) Lights ON during playback time (8 sec.) Continuous input causes; continuous lighting during play back.
Ambient temperature	-20°C to +50°C (-2° F to +122° F)
Installation places	Indoor/outdoor (rain proof)
Wiring method	Lead wire (5 core) attached length: 1m (40')
Installation method	Screw on flange
Weight	1,050g (36.75oz) (including wire/100g (3.5oz))
External appearance	Black (PC resin)
Accessory	Installation flange, screws.

Note: This sensor speaker is designed to detect passing objects and to initiate a signal. It is not a burglar-preventing device. PULNiX is not responsible for damages or losses caused by accidents, thefts, Acts of God (including inductive lightning), abuses, misuses, abnormal usages, 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 alarm systems.

LEAF 12-99E5-4

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