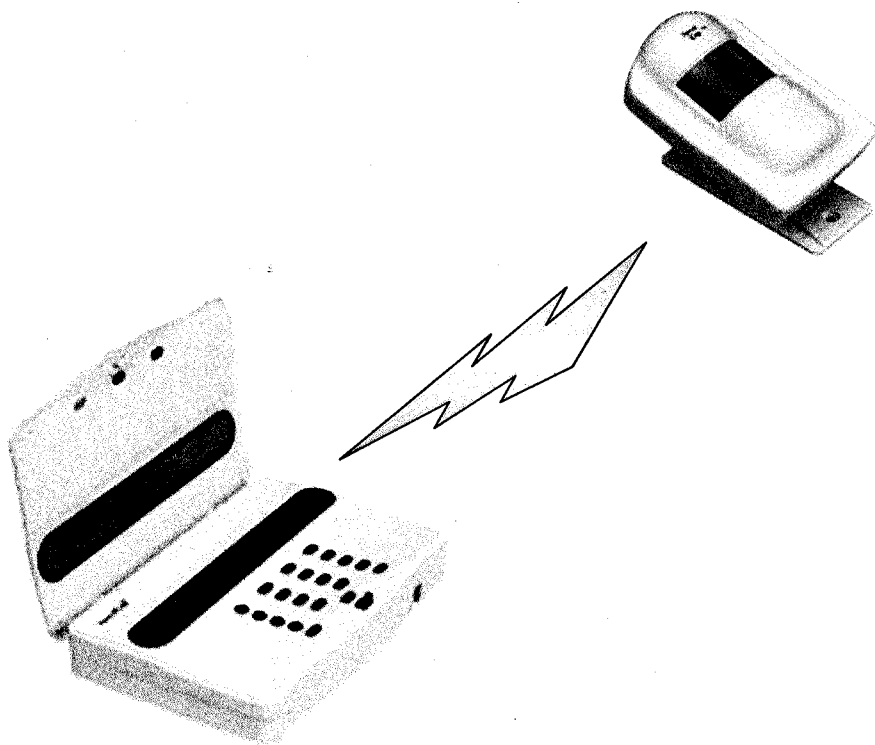


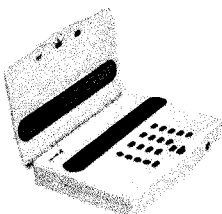
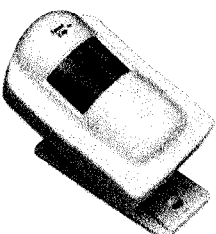
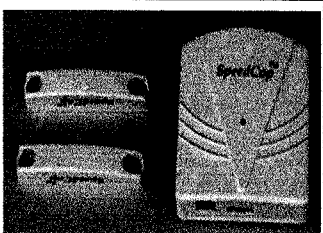
*FM Wireless Home Security  
Alarm System*

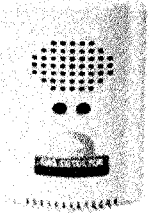
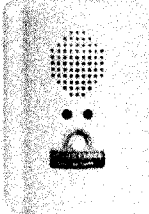
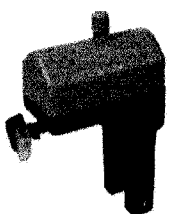
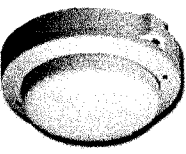
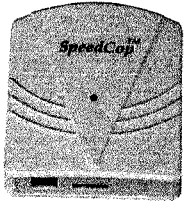
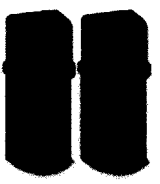
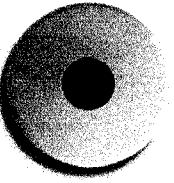


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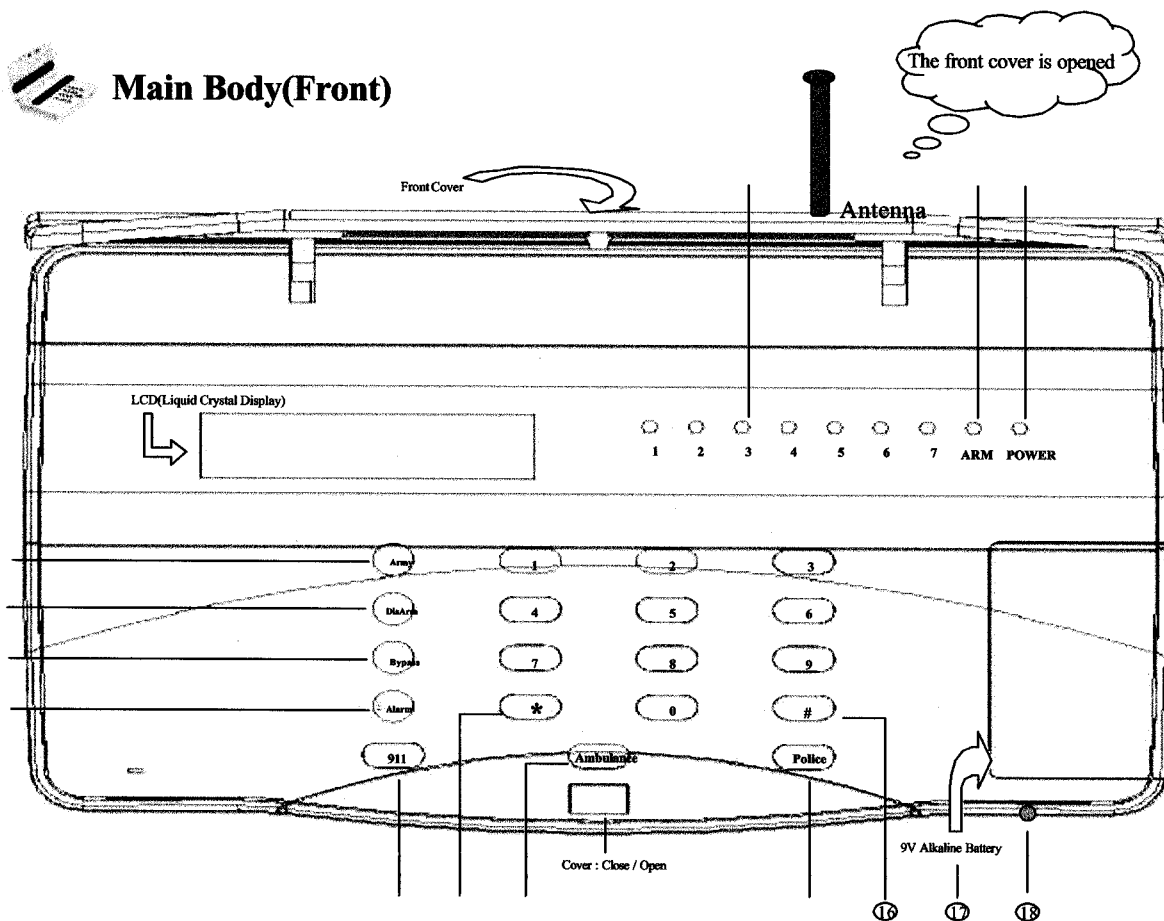
| Description                 | Page(s) | Description                           | Page(s) |
|-----------------------------|---------|---------------------------------------|---------|
| Standard Scope of Supply    | 2       | Voice Recording                       | 18      |
| Option                      | 3       | .Exit                                 | 19      |
| Layout                      |         | Siren ON/OFF                          | 20      |
| Layout -Front               | 4       | Input(Overall)                        | 21      |
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| Operating flow              | 8       | Special Function                      |         |
| Installation Guide          |         | Bypass & Delay Time                   | 23      |
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| Power and Sensors           | 10      | ARS Structure                         |         |
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| Telephone Number            | 15      | PIR Sensor & Remote Controller        | 29      |
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| Password                    | 17      | WARNING Notice: Please Read Carefully | 31      |

| Division                                                      | ITEM                     | Appearance                                                                          | Specification                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>B<br/>A<br/>S<br/>I<br/>C<br/><br/>I<br/>T<br/>E<br/>M</b> | <b>Main Body</b>         |    | <b>Power Supply Unit : DC9V Battery, 600mA</b><br><b>Power Consumption : Disarms(150mA), Arms(300mA)</b><br><b>Max. Sensor No. : 7 Wireless + 2 Wire</b><br><b>Max. Remote control No. : 7 units</b><br><b>Max. recording No. of Telephone : 7</b><br><b>Demodulation Method : Frequency Demodulation</b><br><b>Dimensions : 47D x 144H x 222W</b>            |
|                                                               | <b>PIR Sensor</b>        |    | <b>Power : DC 9V Battery</b><br><b>Transmission &amp; Reception Method : Radio Frequency</b><br><b>Modulation Method : Frequency Modulation</b><br><b>Detection Method : Passive Infrared</b><br><b>Angle : Vertical(45 ), Wide(110 )</b><br><b>Communication Distance : Max. 1000M      Detection Range : Max. 30M</b><br><b>Dimension : 32D x 97H x 65W</b> |
|                                                               | <b>Door Sensor</b>       |   | <b>Composition : 2 Magnetic Bars + 1 RF Transmitter</b><br><b>Detection Method : Magnetic</b>                                                                                                                                                                                                                                                                 |
|                                                               | <b>Remote controller</b> |  | <b>Composition : 2 Buttons(ON + OFF)</b><br><b>Communication Method : Radio Frequency(FM Wave)</b><br><b>Utility Range : 50M      Dimensions : 30mm x 11mm x 55mm</b><br><b>Battery Power : DC 12V(A23 Alkaline Battery)</b>                                                                                                                                  |
| <b>A<br/>C<br/>C<br/>E<br/>S<br/>S<br/>O<br/>R<br/>Y</b>      | <b>Adapter</b>           |                                                                                     | <b>Power supply unit to main body at DC 9V</b>                                                                                                                                                                                                                                                                                                                |
|                                                               | <b>T - Hanger</b>        |                                                                                     | <b>When the main body is hanging on the wall</b>                                                                                                                                                                                                                                                                                                              |
|                                                               | <b>Warning Decals</b>    |                                                                                     | <b>Sticking an invasion route for warning</b>                                                                                                                                                                                                                                                                                                                 |
|                                                               | <b>Battery</b>           |                                                                                     | <b>Supply ; the power to PIR sensor &amp; RF transmitter</b>                                                                                                                                                                                                                                                                                                  |
|                                                               | <b>Phone cable</b>       |                                                                                     | <b>Connector between the main body and local telephone</b>                                                                                                                                                                                                                                                                                                    |
|                                                               | <b>User Manual</b>       |                                                                                     | <b>Utility Guide for SpeedCop2000</b>                                                                                                                                                                                                                                                                                                                         |

|                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                    |                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gas Detector</b>                                                                                                                                                       | <b>Gas Controller</b>                                                                                                                             | <b>Gas Shut off Devise</b>                                                               |
| <b>Detection Method : Contact Combustion</b><br><b>Response Speed: Within 20 Sec.</b><br><b>Detects LNG &amp; LPG, Butane/Methane Gas</b><br><b>Power : AV 220V, 50/60Hz</b><br><b>Power Consumption : 2.7W</b><br><b>Dimensions : 46D x 116H x 66W</b>    | <b>Power : AV 110/220V(60Hz)</b><br><b>Power Consumption : 1.3W</b><br><b>Output Voltage : DC12V</b><br><b>Operating Temperature : -10 ~+40</b><br><b>Relative Humidity : 20 ~ 95% RH</b><br><b>Dimensions : 44D x 145H x 100W</b> | <b>Valve : Screw Type(Ball Valve)</b><br><b>Power : DC12V</b><br><b>Power Consumption : 2.5W</b><br><b>Shut-off Speed : 5 Sec.</b><br><b>Dimensions : 118D x 167H x 60W</b> |
| <b>Fire Detector</b>                                                                                                                                                      | <b>RF Module</b>                                                                                                                                 | <b>Infrared Detector</b>                                                                |
|                                                                                                                                                                                                                                                            | <b>Modulation : Frequency Modulation</b><br><b>Frequency Bandwidth : 447.275MHz</b><br><b>Power : DC 9V</b><br><b>Application Field : Gas, Door &amp; Fire Detector</b><br><b>dimensions :</b>                                     |                                                                                                                                                                             |
| <b>PIR Sensor(Ceiling style)</b>                                                                                                                                        | <b>Pet Detector</b>                                                                                                                             | <b>Light</b>                                                                           |
| <b>Detection technology : Dual Element PIR</b><br><b>Current Consumption : 15mA at DC 12V</b><br><b>Power : DC 9~16V regulated</b><br><b>Alarm Contact : DC 24V, 50mA</b><br><b>Pulse Count : Selectable 1~3</b><br><b>RF Immunity : 3-V/m. up to 1GHz</b> | <b>Current Consumption : 25mA at DC 12V</b><br><b>45MA at DC 16V</b><br><b>Voltage Requirements : DC 9-16V regulated</b><br><b>Alarm Contacts : DC 24V, 50mA</b><br><b>Temper Contacts : DC 24V, 0.1A</b>                          | <b>Power Supply : DC12V</b><br><b>Power Consumption : 120mA</b><br><b>Natural Gifts : Cover - Acrylic</b><br><b>Base - ABS</b><br><b>Dimensions : 26mm x 167mm x 96mm</b>   |



## Main Body(Front)



### Cut off the power

If the main power is cut off, the main body can operate itself by DC 9V alkaline battery continuously.

Power LED changes to a green color and other LED's are off if the main body is supplied with power by the backup battery.

In this case, user may be confused that each sensor does not operate as the back light of LCD can not operate. But, sensors are normally operated due to save the battery.

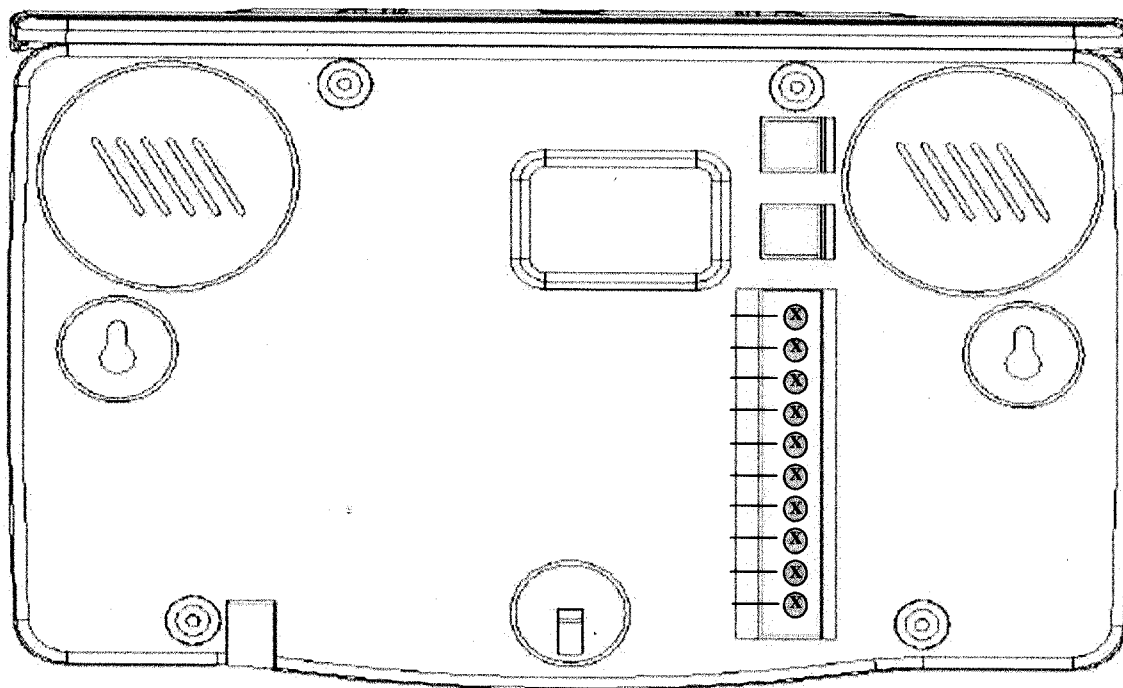
\* You must use DC 9V alkaline battery as a backup battery

\* Max. time : 6 hours

1. Front Cover : Main body cover of *SpeedCop™ 2000*
2. Arming LED : Per each sensors Red light shows when the sensor is armed
3. Antenna : Receiving the FM signal of each sensors
4. Arming LED : Classification of Arming or Disarming
5. Power : Checking of power ON/OFF(Yellow light)
6. LCD(Liquid Crystal Display) : Showing the order or input text on the LCD
7. Arm : Arming of all the sensors.
8. Disarm : Disarming of all the sensors.
9. Bypass : Bypass the selected sensors by user's requirement.
10. Chime : Automatic alarm notice is arming if the door is not completely closed and  
chime bell sound when Disarming mode of the main door sensor.
11. 911(Emergency call) : Automatic call to 911 by one-touch button
12. [\*] Key : Cancellation Key
13. Ambulance : Emergency calling function to memorized hospital by one-touch button
14. Cover Open/Close : SpeedCop 2000 cover open/close
15. Police : Emergency calling function to memorized police station by one-touch button
16. [#] Key : Enter Key
17. DC 9V battery : Spare battery when the main power is cut off
18. MIC. : Tapping or dual-communication function through MIC. from the outside



### Main Body(Rear)

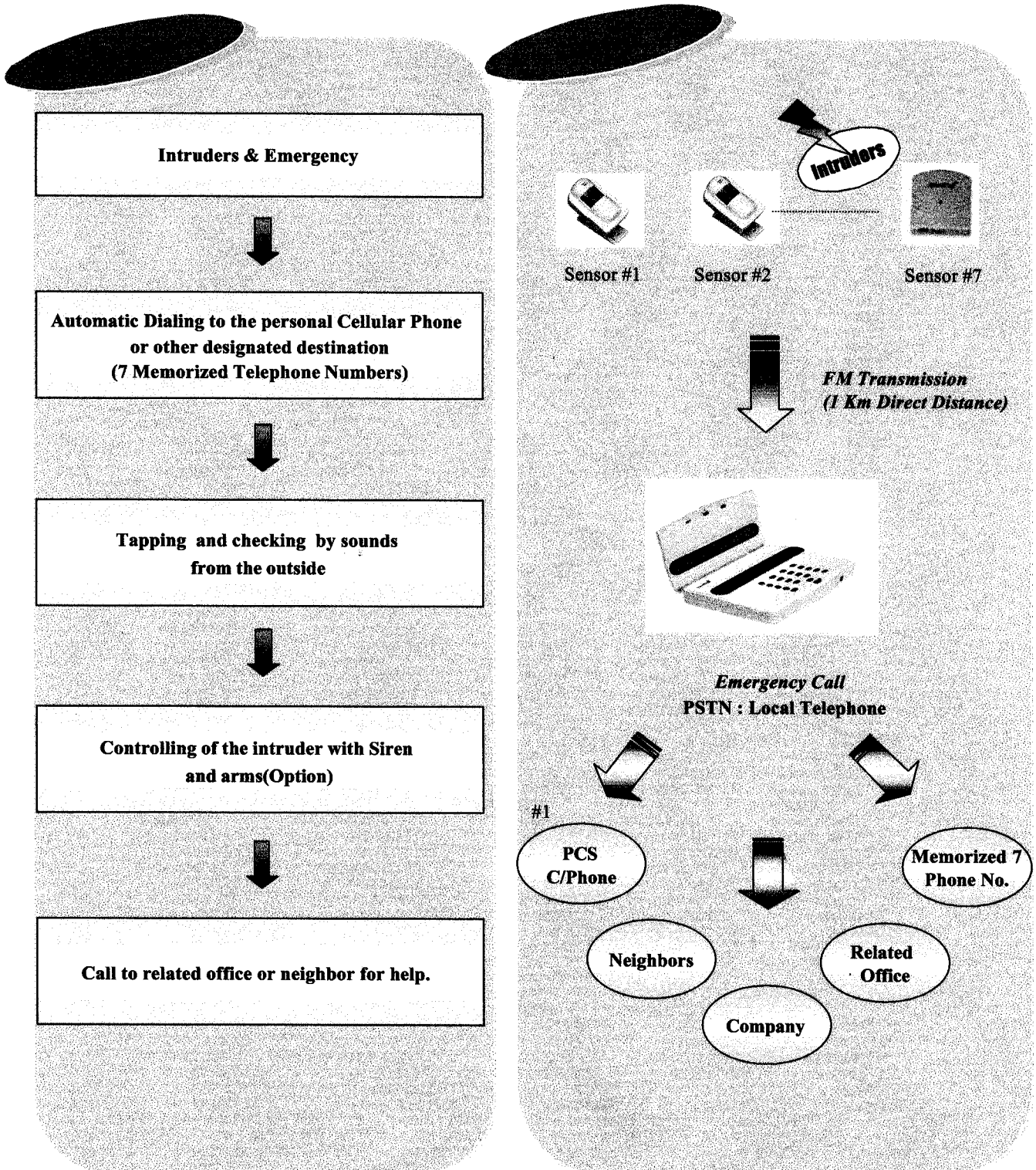


#### ◆ Rear Terminal

You can use wire sensors usually.⇒ You may use additional wire sensors.

1. External Lamp : Notice emergency to outside by light
2. External Siren : Notice emergency to outside by siren
3. Impact Detector : Install at windows for detecting intruder
4. Infrared Detector : Installing both sides of intruding route and detector sensing when intruder passes through this route
5. Fire Detector : Detecting fire and smoke
6. Gas Detector & Shut-off Device : Gas shut off equipment with remote controller from outside

1. **Speaker** : For siren, ARS comment or key tone.
2. **Telephone port** : Connecting port between the main body and telephone
3. **Line port** : Connecting port to main body from the line of the telephone office
4. **T Hanger** : Use when the main body is hanging on the wall
- 5,6. **Telephone line terminal** : Connecting to Line port No.3 or telephone line terminal which comes from  
telephone office line
7. **Output A** : The first output terminal for controlling sensors or siren at the main body
8. **Common** : Common terminal of external output terminal A & B
9. **Output B** : The second output terminal for controlling sensors or siren at the main body
10. **Input A** : The first input terminal for transmission of signal from sensors to main body
11. **Common** : Common terminal of external input terminal A & B
12. **Input B** : The second input terminal for transmission of signal from sensors to main body
13. **GND** : DC 9V power ground terminal
14. **DC power terminal** : DC 9Vpower terminal
15. **DC power terminal** : DC 9Vpower terminal(for Adapter)



### **1. Check the position of Main body & Sensors**

- Considering the position of main power & telephone line

### **2. Unpacking the SpeedCop 2000**

### **3. Connecting the telephone line and the power to the Main Body**

- Main Power : for DC 9V(adapter)

### **4. Input the telephone numbers, set up sensors and remote controller.**

### **5. Connecting each sensors to input & output terminal**

- ex : Gas detector, siren, wire sensor, etc.(Picture 2)

### **6. Re-checking input result and test operation**

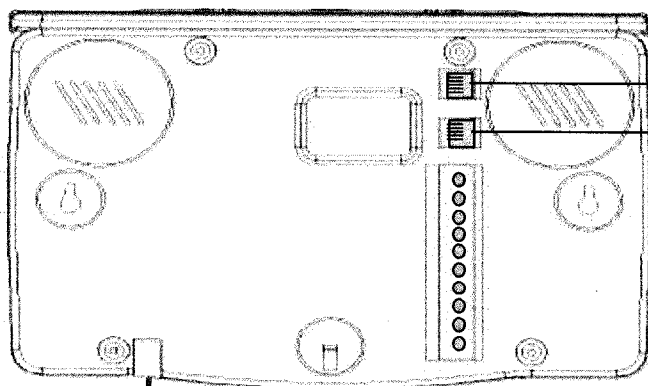
### **7. Fixing and hanging main body & each sensors**



**Installation Completed**

### Connecting of Power & Telephone line

Telephone Line

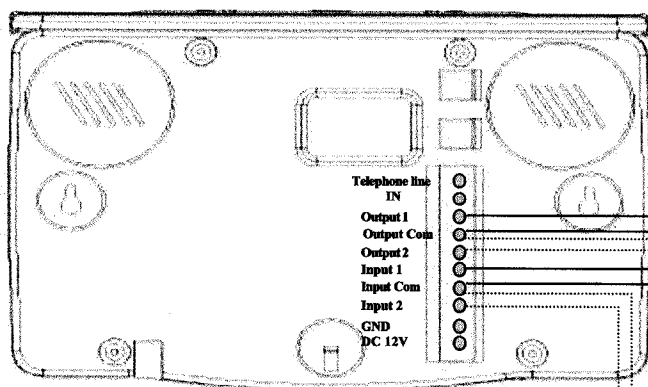


Telephone Office Line

DC 9V

AC 110V, 60Hz

### Connecting of Sensors



Siren

Gas Parts

Gas controller

Gas Breaker

Other wire sensors

**Picture 2**