

## DPA-D2-GSM

GSM unit for D2 videodoor system



User's manual

## About GSM Unit

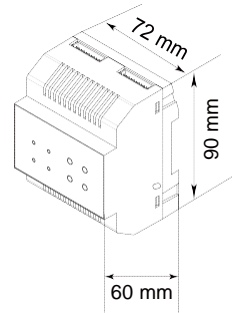
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### Discription:

The GSM unit is a telephone converter designed for 2-wire system to divert calls from outdoor station to telephone or mobile phone. With GSM unit, you can communicate with outdoor visitor by your telephone or mobile phone which just like a remote control, you can do the operation of talking, unlock and so on.

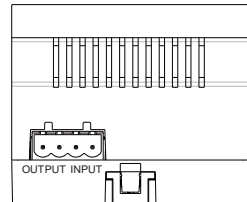
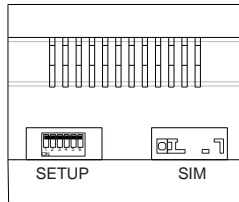
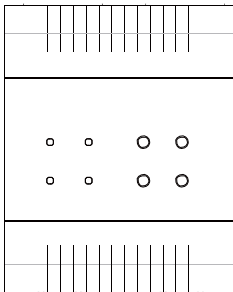
### Features:

- Maximum 3 telephone numbers can be set on monitor.
- Must be with Call Transfer function for monitor
- Divert Calls from monitor to telephone via GSM ,the GSM is like a telephone, when setting the diversion function, door station calls GSM first, then divert to the telephone number you set.
- Application: villa and apartment



## 1. Terminal Introduction

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SETUP:

DIP switches.

SIM:

SIM card slot, the place to install SIM card.

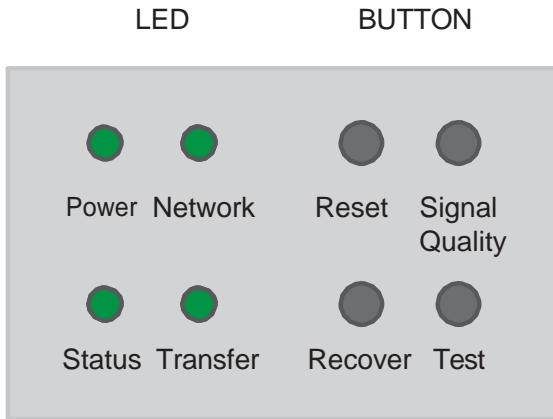
Output:

Output port, connect to Monitor.

Input:

Input port, connect to power supply.

Configuration:



\* The instructions of indicator:

| LED indicator | Descriptions  |
|---------------|---|
| Power         | -LED off When the GSM not working   |
|               | -LED flashes rapidly when the system error  |
|               | -Always on when the GSM work normally   |
| Network       | -LED off when the SIM card is not detected  |
|               | -LED flashes slowly when the SIM card is detected but unregistered  |
|               | -LED flashes rapidly when the SIM card is detected and registered successfully, but initialization unsuccessful |
|               | -Always on when the GSM kits work normally  |
| Status        | -LED flashes one time when the system receives the effective instruction  |
| Transfer      | -LED off When there is no call transfer   |
|               | -LED flashes slowly when the GSM in the transfer waiting state  |
|               | -LED flashes 3 times rapidly when the GSM transfer failed   |
|               | -Always on when the system in the talking state   |
|               | * LED flashes one time when the system recover the password defaults  |

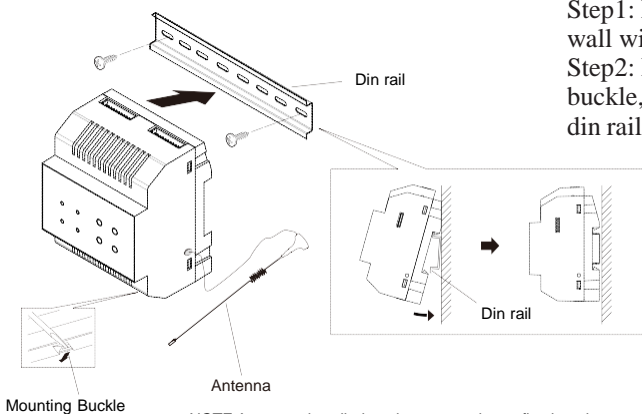
\* The instructions of button:

| Button         | Descriptions  |
|----------------|---|
| Reset          | -Press Reset button,it will reset GSM kits                    |
| Signal Quality | -Press Signal Quality button,it will show the signal strength |
| Recover        | -Press Recover button,it will recover the password defaults   |
| Test           | -Press Test button,it will call the monitor 00                |

\* NOTE:

Signal strength show:After press Signal Quality key, 4 LEDs off for a second, then the GSM kits will use 4 LEDs to display signal strength(no signal: 4 LEDs off; bad signal: only the LED of Power on; weak signal:only the LED of Power & Network on; good signal: the LED of Power & Network & Status on; strong signal:4 LEDs on)for a second, and 4 LEDs off again for a second later, it will back to the start state.

## 2. Mounting






Step1: Mount the din rail to the wall with screws ;

Step2: Pull down the mounting buckle,then hang the unit on din rail.

NOTE:A magnet installed on the antenna base, fixed on the wall directly adsorbed iron (iron Fortunately, pre-installed on the wall) place. In addition, the antenna should be installed in the open place, there should be no obstructions around.

### 3. DIP Switches Setting for GSM

| Bit       | Bit State   | Description                                |
|-----------|---|--|
| DIP1-DIP5 |  | Reserve                                    |
| DIP6      |  | Set to on,it shows the system is partment. |
|           |  | Set to off, it shows the system is villa.  |

#### Note:

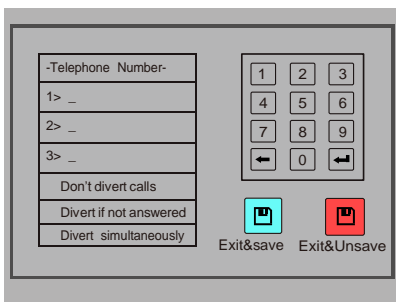
Total 6 bits for DIP switches, to villa application, just Bit-6 is useful,Bit1 to Bit5 are invalid. Bit-6 must be set to OFF in villa system.

Total 6 bits for DIP switches, to partment application, just Bit-6 is useful,Bit1 to Bit5 are invalid. Bit-6 must be set to ON in partment system.

In principle, whether it is a partment or villa, a 2-Wire system only install a GSM. If you need to install multiple GSM, please contact the engineering staff.

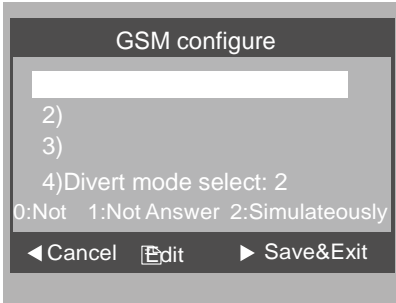
### 4.Telephone Number Setting on Monitor

Touch screen monitors:



- Maximum 3 telephone numbers can be set,touch the telephone number frame,then input the the number by touching the digital keypad.

## Button operation monitors:



- Maximum 3 telephone numbers can be set, Use ▲ / ▼ Button to move upward / downward to select the item, then press the MENU button to edit. Use ▲ / ▼ Button to increase / decrease the value, and use ► button to input next digital, use ► button to ◀ button to cancel the input. press the MENU button again to finish the edit operation.

## Note:

- There are 3 types of divert modes:
- 1: Don't divert calls----calls from outdoor station will not be diverted.
- 2: Divert if not answered----outdoor station calls indoor monitor firstly, if nobody answer the call within 25 seconds, the call will be diverted to the telephone number you set. At this mode, the monitor will shut off immediately when GSM diverts successfully, while it won't affect the communication between GSM and outdoor station. Otherwise, the monitor can do the operation of monitoring, talking, and unlocking.
- 3: Divert simultaneously----calls from outdoor station will be diverted to your telephone immediately. At this mode, the monitor won't shut off when GSM diverts successfully, but if the monitor answers the call at this time, GSM will quit absolutely.

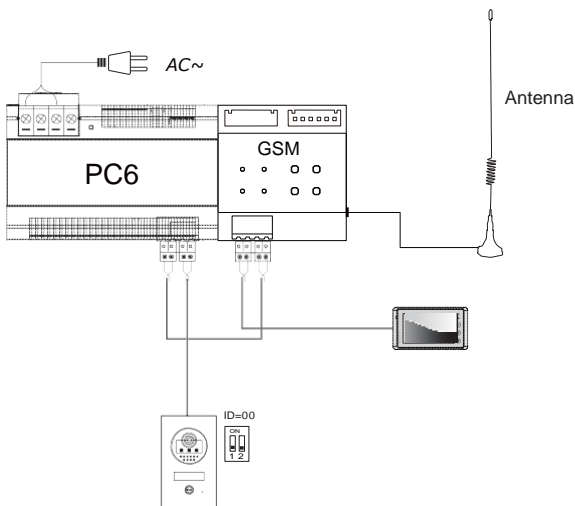
## 5. Operation Instructions

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Note: Divert function is activated in the following instructions

| Item                          | Discription   |
|-------------------------------|---|
| Unlocking                     | <ul style="list-style-type: none"> <li>• Input 1# on your telephone or mobile phone to release the first lock</li> <li>• Input 2# on you telephone or mobile phone to release the second lock</li> </ul>  |
| Hanging up                    | <ul style="list-style-type: none"> <li>• Input 9# on your telephone or mobile phone to hang off absolutely</li> <li>• Total divert calling time is more than 5 minutes</li> </ul>   |
| Calling next telephone number | <ul style="list-style-type: none"> <li>• 1:At least 2 telephone numbers must be set on monitor</li> <li>• 2:During communication between telephone and outdoor station,"#" button has not been input on telephone and the calling time of each group number is less than 80 seconds.</li> </ul> |
| Calling slave telephone       | <ul style="list-style-type: none"> <li>• Add a letter "P" between master telephone and slave telephone.The GSM will call the slave telephone directly.</li> </ul>   |

## 6. Wiring



## 7.Specification

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|                      |                               |
|----------------------|-------------------------------|
| Power input:         | DC 20~28Vdc (supplied by PC6) |
| Power Consumption:   | Standby:60mA;working:500mA    |
| Working temperature: | -10°C +40°C                   |
| Wiring:              | 2 wire,non-polarity           |
| Dimension:           | 90(H)X72(W)X60(D)mm           |