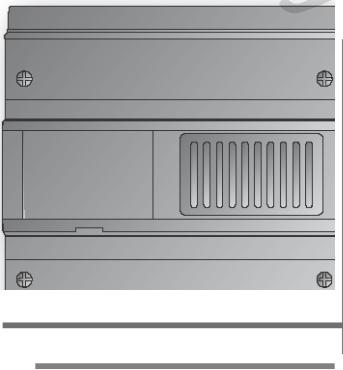


TPC

Telephone converter



User Manual

Please read this manual carefully before using the product you purchased, and keep it safe for future use. We reserve the right to modify the specification in this manual at any time without notice.

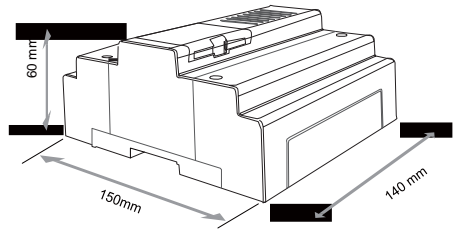
About TPC Unit

Description:

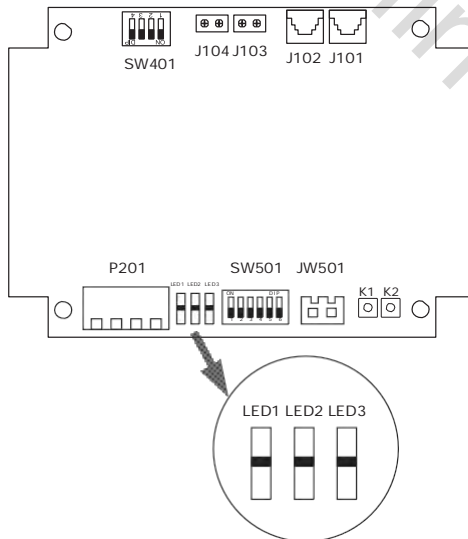
The TPC unit is a telephone converter designed for the VT 2 wire system to divert calls from the door panel to a telephone or mobile phone. With the TPC unit you can communicate with your visitor by your telephone or mobile phone and even unlock the lock release (if fitted).

Features:

- Maximum of 3 telephone numbers can be programmed via the TPC Configure settings on the video monitor
- Divert calls from the monitor to a telephone. The TPC is like a telephone, when setting the divert function, the door panel calls the TPC first, then it diverts to the telephone number you have set.
- Application: Our single VT or multi way DMR video entry systems



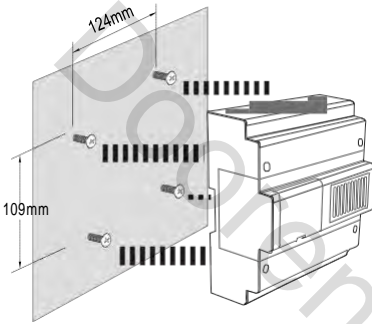
1. Terminal Introduction



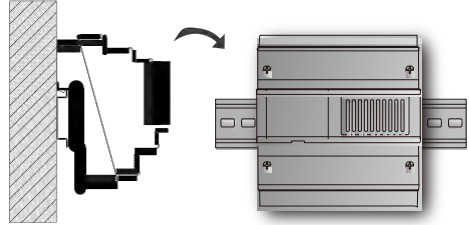
Item	Description
P201	<ul style="list-style-type: none"> Main connection port
LED1	<ul style="list-style-type: none"> Power indicator(normally bright) Signal indicator(flash)
LED2	<ul style="list-style-type: none"> Normal bright when activating divert function Flash when the telephone number isn't preset
LED3	<ul style="list-style-type: none"> Normal bright when working in Debug mode (Debug mode: dialing sound can be heard from outdoor station) Flash when working in Test mode (Test mode: TPC calls a fixed number when divert function is activated and the telephone numbers set on monitor are invalid)
K1	<ul style="list-style-type: none"> LED3 will light up when press down the button, and the Debug mode is activated. LED3 will turn off when press down the button again, and return to Normal mode.
K2	<ul style="list-style-type: none"> LED3 will flash when press down the button, and the Test mode is activated. LED3 will turn off when press down the button again, and return to Normal mode.
SW501	<ul style="list-style-type: none"> Refer to 3.2
JW501	<ul style="list-style-type: none"> 485 connection port, used to update the software for TPC. Manufacturer use only
J101	<ul style="list-style-type: none"> Connect to your telephone network
J102	<ul style="list-style-type: none"> Connect to the telephone
J103	<ul style="list-style-type: none"> The same as J101, just the terminal is different
J104	<ul style="list-style-type: none"> The same as J102, just the terminal is different
SW401	<ul style="list-style-type: none"> Set the configuration, refer to 3.1

2. Mounting

Direct Wall Mounting



DIN Rail Mounting



3. DIP Switches Settings for TPC

3.1 SW401 switches settings:

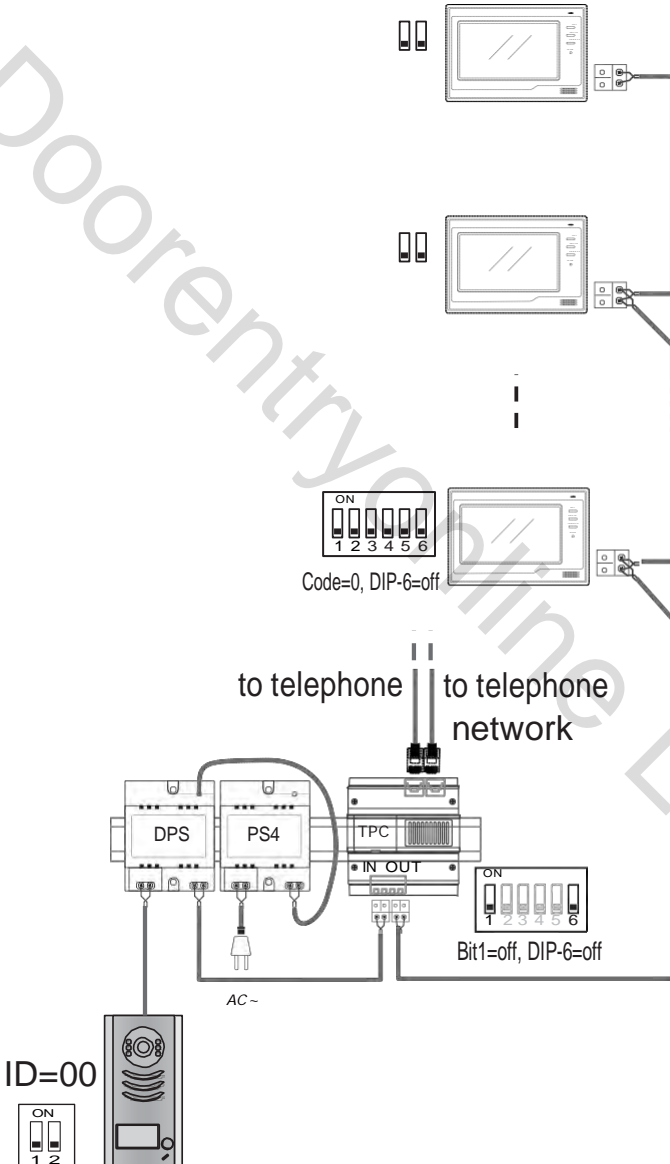
DIP	Setting	Description
Bit1 (adjust the volume of the telephone line)		the volume is twice louder than normal
		the volume is normal
Bit2 Recommend set to ON (adjust the volume of outdoor station)		the volume is twice louder than normal
		the volume is normal
Bit3 Recommend set to ON (adjust the configuration of audio)		match the telephone network to VT system
		not match
Bit4 (adjust the configuration of audio)		match PBX system to VT system
		not match

Note:1.Bit1 and bit2 cannot be "on" state at the same time.

2. Bit3 and bit4 cannot be "on" state at the same time.

6. Wiring

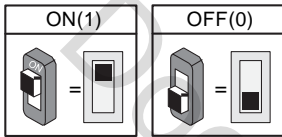
Basic in-out mode (for VT video systems)




3.2 SW501 switches settings:

VT video system application:

Total of 6 bits for SW501 switches. Bits 1-6 must be set to OFF.

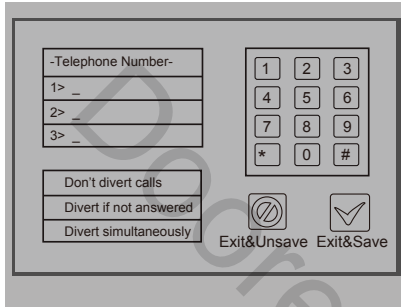


Bit state	Description
 <p>A diagram showing six vertical bars representing bits 1 through 6. Bit 6 is shaded black, while bits 1-5 are white. The label 'ON' is above the bars.</p>	Application for VT Video systems

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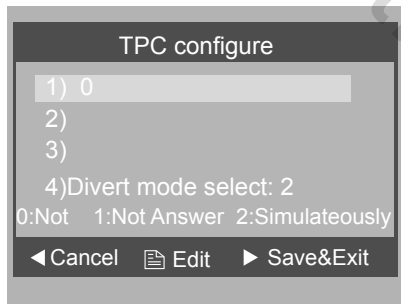
4. Telephone Number Setting on Monitor

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 TPC diverts successfully, while it won't affect the communication between TPC 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 TPC diverts successfully, but if the monitor answers the call at this time, TPC will quit absolutely.

5.Operation Instructions

Note: Divert function is activated in the following instructions

Item	Description
Unlocking	<ul style="list-style-type: none">• Input 1# on your telephone or mobile phone to release the first lock• Input 2# on you telephone or mobile phone to release the second lock
Hanging up	<ul style="list-style-type: none">• Input 9# on your telephone or mobile phone to hang up absolutely• Total divert calling time is more than 5 minutes
Calling next telephone number	<ul style="list-style-type: none">• 1:At least 2 telephone numbers must be set on monitor• 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.
Calling slave telephone	<ul style="list-style-type: none">• Add a letter "P" between master telephone and slave telephone. The TPC will call the slave telephone directly.
Priority calling	<ul style="list-style-type: none">• The J102 terminal will be shut off before the TPC calling, then activate calling.

6. Specification

Power input:	DC 20~28Vdc (supplied by PS5)
Power Consumption:	0.5W in standby, 3 W in working
Working temperature:	-10°C +40°C
Wiring:	2 wire, non-polarity
Dimension:	140(L)X150(D)X60(H)mm

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