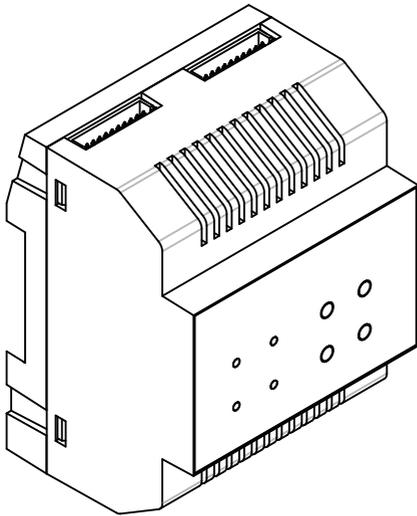# DT-TPS

Telephone Interface 2-wire series
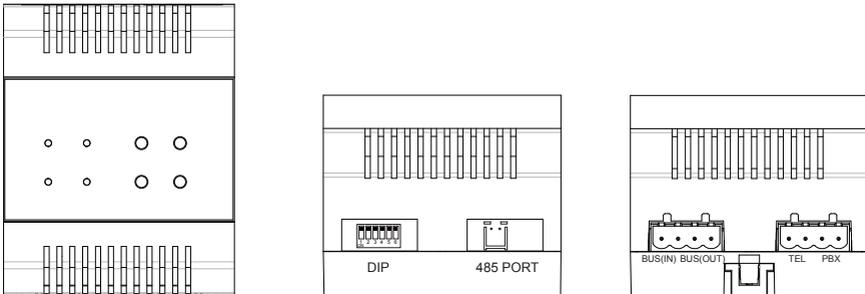
User Manual

About TPS Telephone Interface

The TPS Telephone Interface is designed for 2-wire series video door entry systems.
Enables to divert calls from Door Station to a land line telephone or a mobile via landline.
Requires connection to a landline.

Features:
• Maximum 3 telephone numbers can be programmed
• Only monitors with 'Call Divert' function are compatible
• One only TPS Telephone Interface is needed per either house or apartments system
• Application: House and Apartments systems

1. Terminals Introduction

DIP: DIP switches
485 PORT: 485 connection port for updating the software
BUS(IN):   Input port, connect to power supply
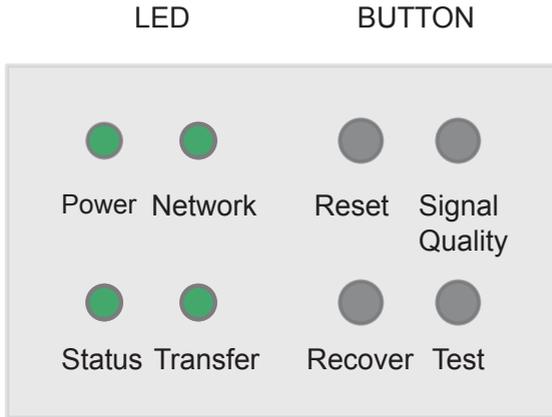BUS(OUT):   Output port,connect to Monitor
TEL: Connect Green&Red from the telephone cable
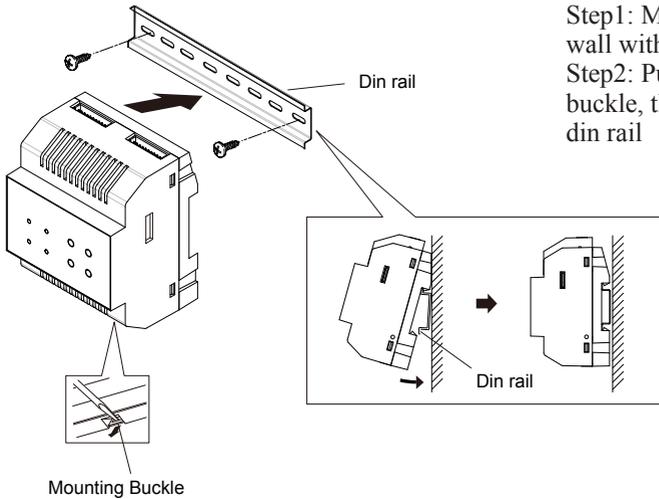PBX: Connect Black&Yellow from the telephone cable

Configuration

LED   BUTTON

● Power	● Network	● Reset	● Signal Quality
● Status	● Transfer	● Recover	● Test

LED Indicators

LED indicator	Description
Power	-LED off - TPS not working
	-LED flashes rapidly - system error
	-Steady on - TPS works normally
Network	-Steady on - TPS works normally
Status	-LED flashes ones - system receives the effective instruction
Transfer	-LED off - there is no call divert
	-LED flashes slowly - TPS in the divert awaiting state
	-LED flashes 3 times rapidly - divert has failed
	- Steady on - the system in the talking state
	*LED flashes ones- all settings are being restored to a default

Buttons Operating

Button	Description
Reset	- Press 'Reset' button for 3 seconds, it will restart the TPS
Signal Quality	- Reserved
Recover	- Press for 3 seconds for factory default
Test	- Reserved

2. Mounting

Din rail

Mounting Buckle

Din rail

Step1: Mount the din rail to the wall with screws
Step2: Pull down the mounting buckle, then hang the unit on din rail

3. DIP Switches Settings for TPS

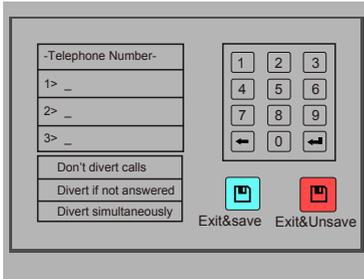| DIP	DIP State	Description
DIP1		Not in use
DIP2		Set Off - no connection
		Set On - connected to a telephone network directly
DIP3		Door Station speaker adjustment—set Off for default volume
		Door Station speaker adjustment—set On to increase the volume
DIP4		Door station micphone adjustment—set Off for default volume
		Door station micphone adjustment—set On to increase the volume
DIP5		Reserved
DIP6		Set Off for House system
		Set On for Apartment system

Notes:

DIP1 and DIP2 cannot be On at the same time
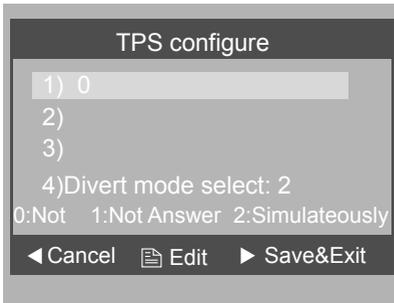
DIP3 and DIP4 cannot be On at the same time

4.Telephone Numbers Settings on Monitor

Touch screen monitors:

```
-Telephone Number-        1  2  3
1> _                      4  5  6
2> _                      7  8  9
3> _                      ←  0  ↵
Don't divert calls
Divert if not answered    💾       🟥
Divert simultaneously   Exit&save  Exit&Unsave
```

- Maximum 3 telephone numbers can be programmed
- Touch the telephone number frame
- Using the keypad, type in your number and save it

Button operation monitors:

```
        TPS configure
1) 0
2)
3)
4)Divert mode select: 2
0:Not  1:Not Answer 2:Simulateously
◄ Cancel   📄 Edit   ► Save&Exit
```

- Maximum 3 telephone numbers can be set. Use ▲ /▼ Button to move up/down. Press the MENU button to edit. Use ▲ / ▼ button to increase / decrease the value

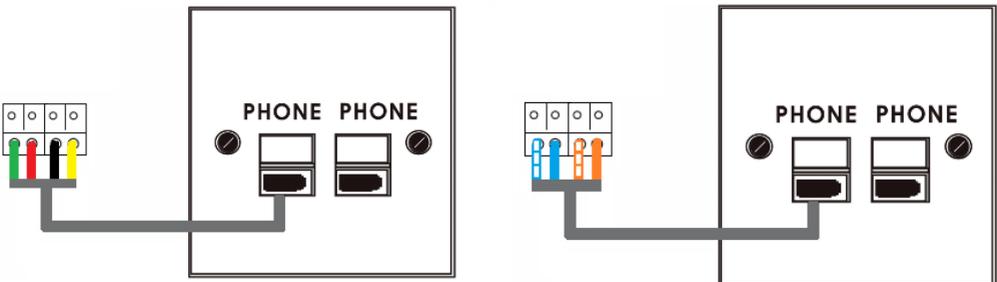## Divert Modes

There are 3 types of divert modes

- 1 - Do not divert calls. Calls from door station wan't be diverted

- 2 - Divert if not answered. If video monitor was not answered the call within 25 seconds, the call will be diverted to the telephone number you set. In this mode, monitor will shut down when TPS diverts successfully. The monitor still can do the operation of monitoring, talking and unlocking

- 3 - Calls from the door station will be diverted to your first telephone number immediately. In this mode, the monitor will rings with video, telephone will ring as well. If monitor answers the call, TPS will stop diverting and telephone will stop ringing

5.Operation Instructions

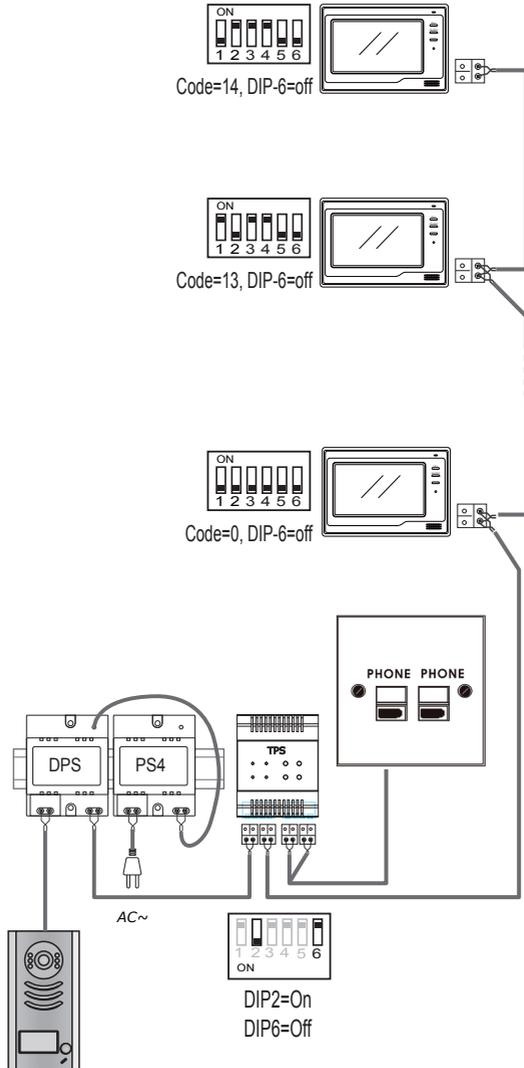| Function	Description
Unlocking	• Input 1# on your telephone or mobile phone to release the first lock • Input 2# on you telephone or mobile phone to release the second lock
Hanging up	• Input 9# on your telephone or mobile phone to hang up. Maximum time untill disconnection is 5 minutes
Calling next telephone number	• 1:Second telephone number must be programmed on monitor • 2:If first number on the list did not answer the call, TPS will dial next number
Calling extention	• Add a letter "P" between main telephone number and extention telephone number and TPS will call the extention telephone

6. Connection to a telephone line

Use ready made 4-way BT cable or make your own. The end with BT
Telephone Male plug should be plugged into telephone socket. Connection to
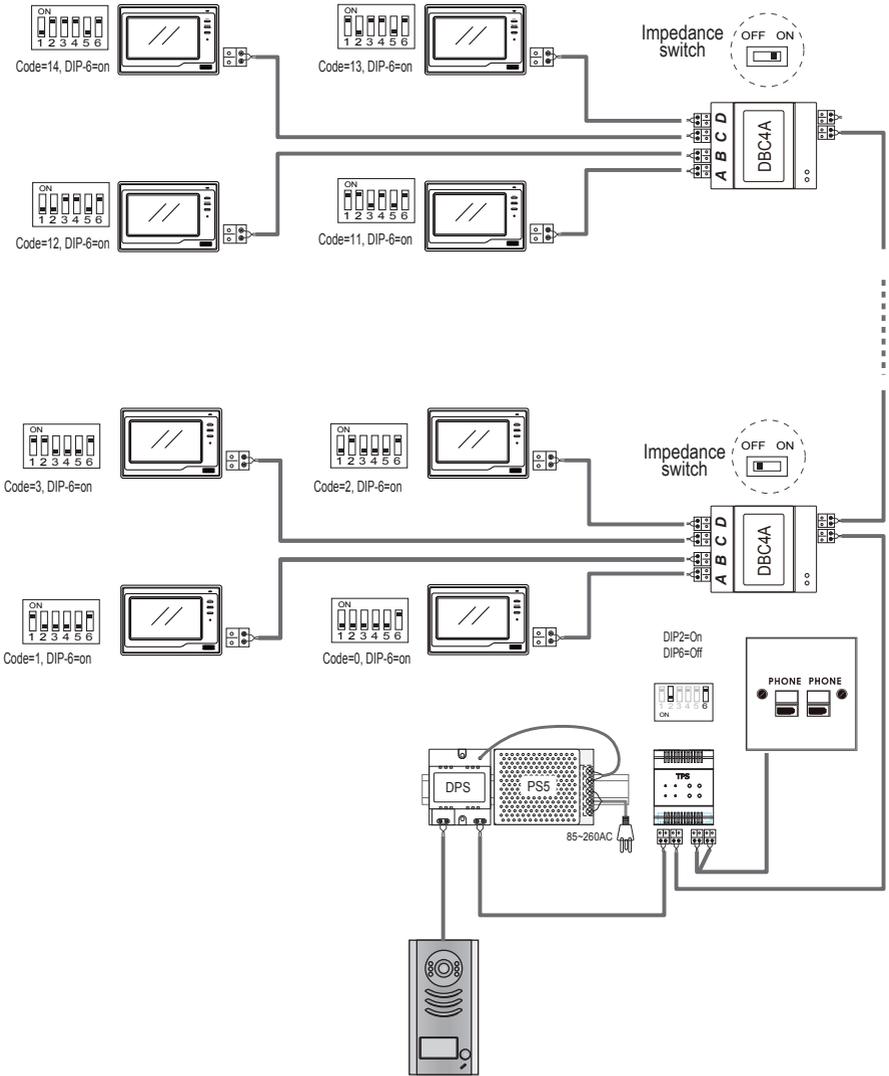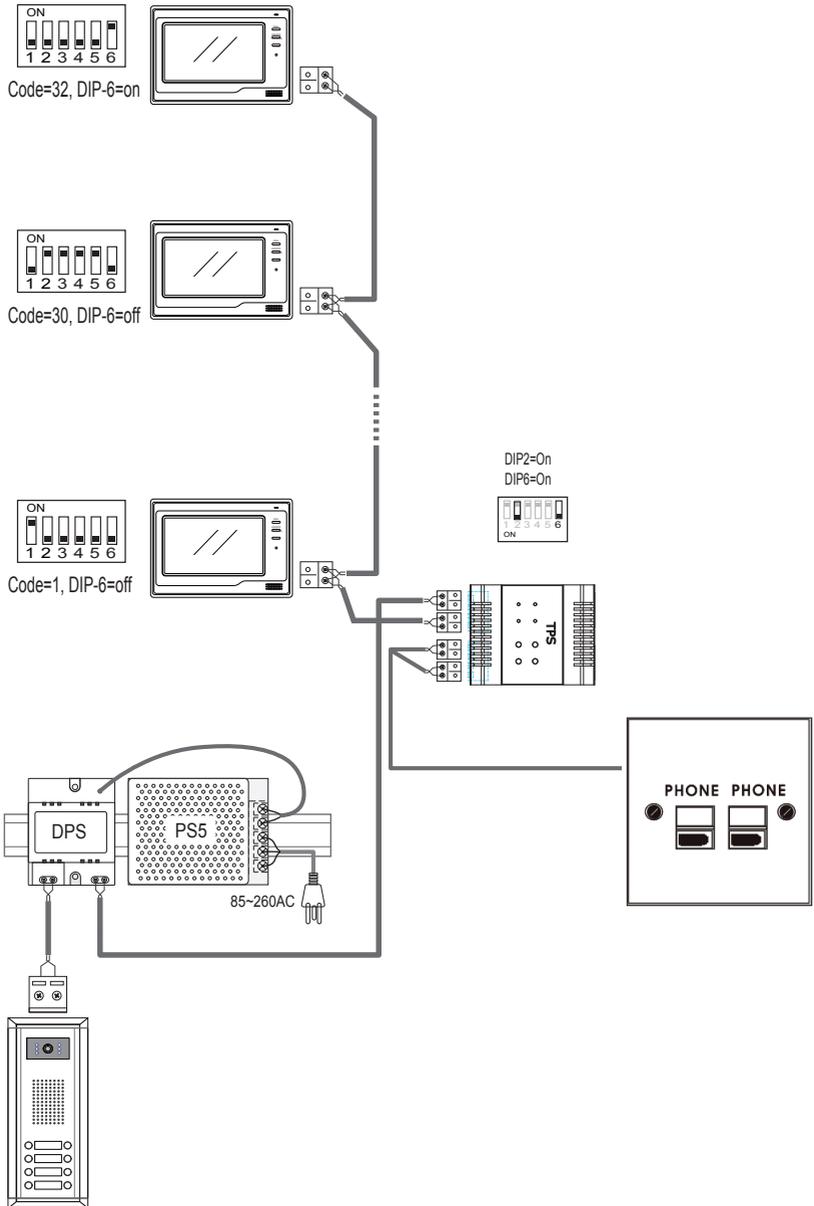a terminal on TPS Telephone Interface as shown below:
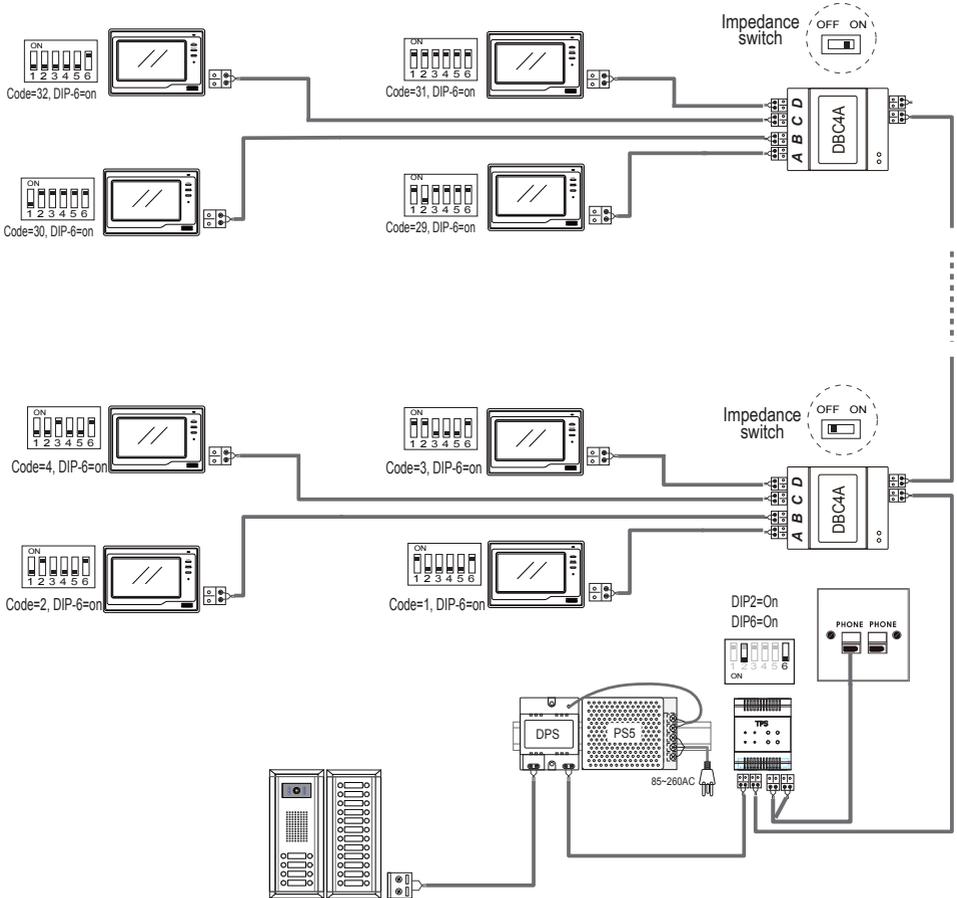
Wiring

Daisy chain wiring mode for Houses

Star wiring mode for Houses

Daisy chain wiring mode for Apartments
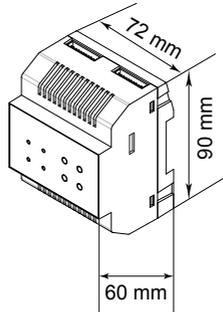
Star wiring mode for Apartments

7.Specification

Power input: DC 20~28V
Power Consumption: Standby(26V):30mA;working(26V):80mA
Working temperature: -10ºC +40ºC
Wiring: 2 wire, no-polarity
Dimensions: H90 x W72 x D60mm

The design and specifications can be changed without notice to the user.
Right to interpret and copyright of this manual are preserved