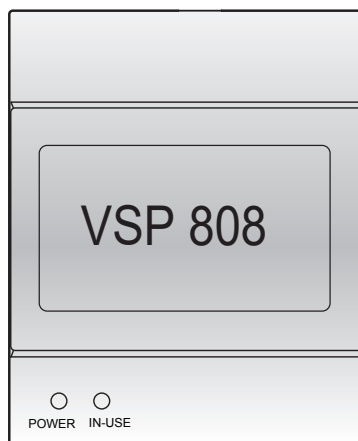


# VSP 808

Riser Distributor

## User Manual



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

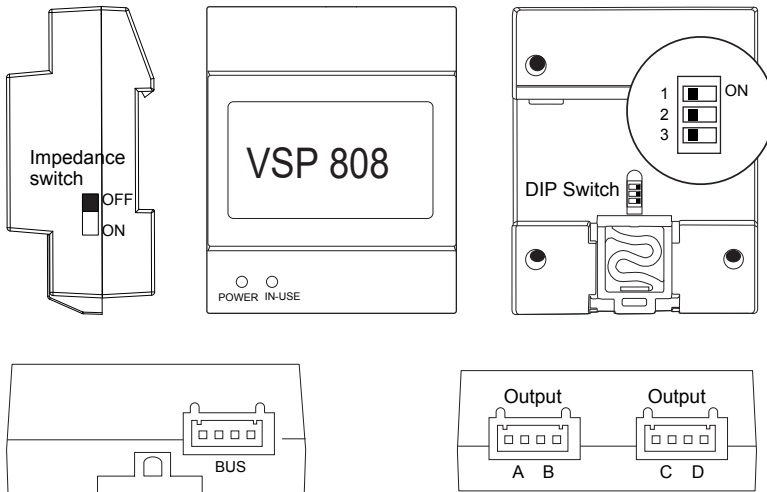


# 1. Description

The VSP 808 is a 4 output video amplifier.

- There are 2 working modes: riser mode and distributor mode;
- Separate isolation protection without affecting another devices on bus system;
- Short-circuit indication for convenient maintenance;
- Periodic self-detection mechanism for recovery.

# 2. Parts and Functions



<b>IN-USE</b> Status indicator	<b>POWER</b> Video match indicator
Standby: off	not match: red
Device working: on	match: orange
Power protection: slow flash	
Device search mode: fast flash	

**Impedance Switch:** Video match switch.

**Bus:** Input port, bus connection port.

**A,B,C,D:** Output port, connect to indoor monitors.

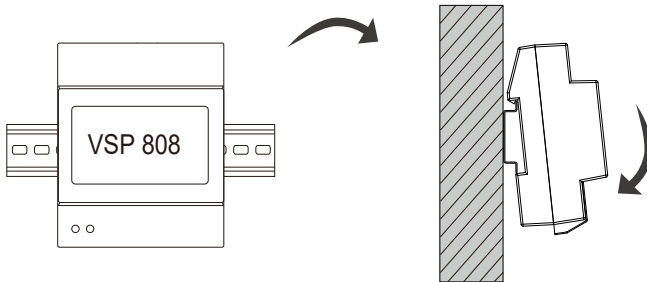
**DIP Switch:** 3 bit DIP switches, about the DIP settings, see follows:

	ON	OFF
<b>DIP1</b>	the unit work in riser mode	the unit work in distributor mode
<b>DIP2</b>	the unit start to search the local monitors (for monitors with built-in power)	the unit stop to search the monitors (in normal use)
<b>DIP3</b>	Gain High	Gain Auto

**Note:**

- Operation mode: Protection mode will be activated once its connected devices are short circuited, and power supply for ABCD outputs will be turn off, the flashing in-use indicator shows the distributor is in the protection mode.
- Self-detection: System will auto check whether the short circuit is fixed or not, then recover the power supply, and in-user indication will be turn off;
- Detection period: Self-detection will be happened regularly according rules, and in-use indicator will flash rapidly three times when check happens;
  - 1<sup>st</sup> detection will be happened in 10 seconds after short circuit;
  - 2<sup>nd</sup> detection will be happened in 60 seconds after 1st detection;
  - 3<sup>rd</sup> detection will be happened in 5 minutes after 2nd detection;
  - 4<sup>th</sup> detection will be happened in 10 minutes after 3rd detection;
  - 5<sup>th</sup> hereafter detection will be happened every 30 minutes;

### 3. Unit Mounting



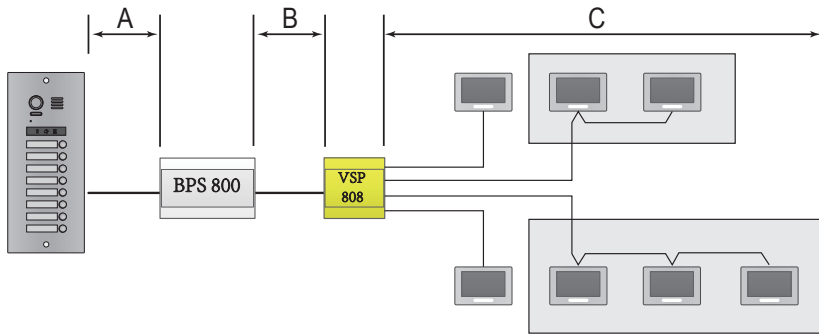
DIN Rail Mounting

# 4. System Wiring with VSP 808

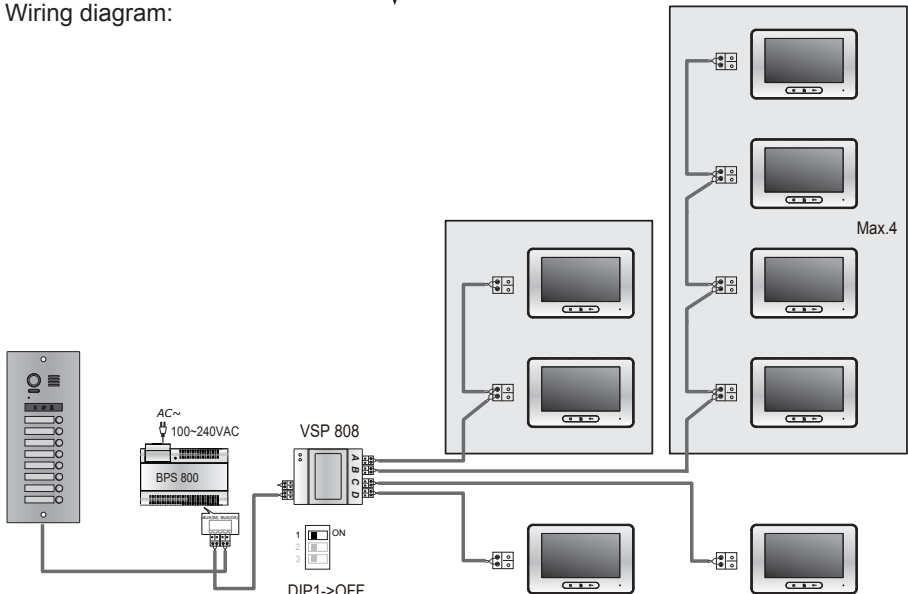
## 1. Basic IN-OUT expansion wiring(distributor mode)

Cable Usage	A	B	C
Twisted cable 2x0.75 mm <sup>2</sup>	60	60	30
Twisted cable 2x1 mm <sup>2</sup>	80	80	40

Cable Usage	A	B	C
Twisted cable 2x1 mm <sup>2</sup>	70	30	20
Twisted cable 2x1.5 mm <sup>2</sup>	70	50	30



Wiring diagram:



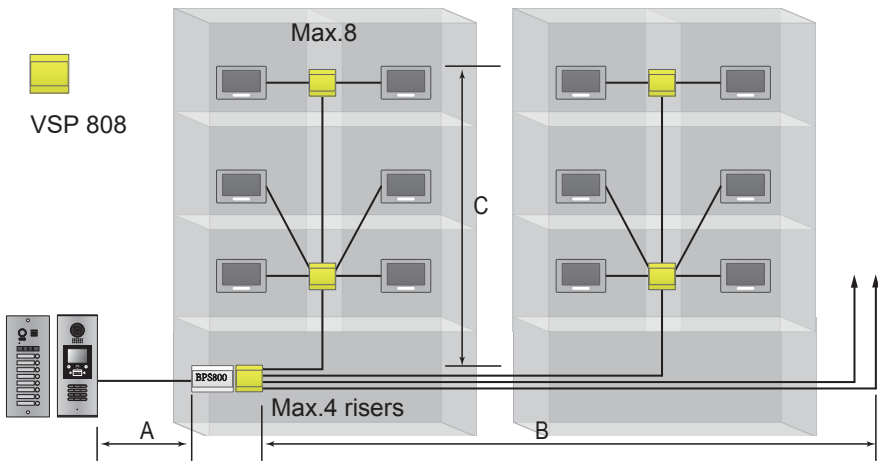
\* Max.8 monitors can be connected for every VSP 808.

## 2. Multi risers wiring(riser mode)

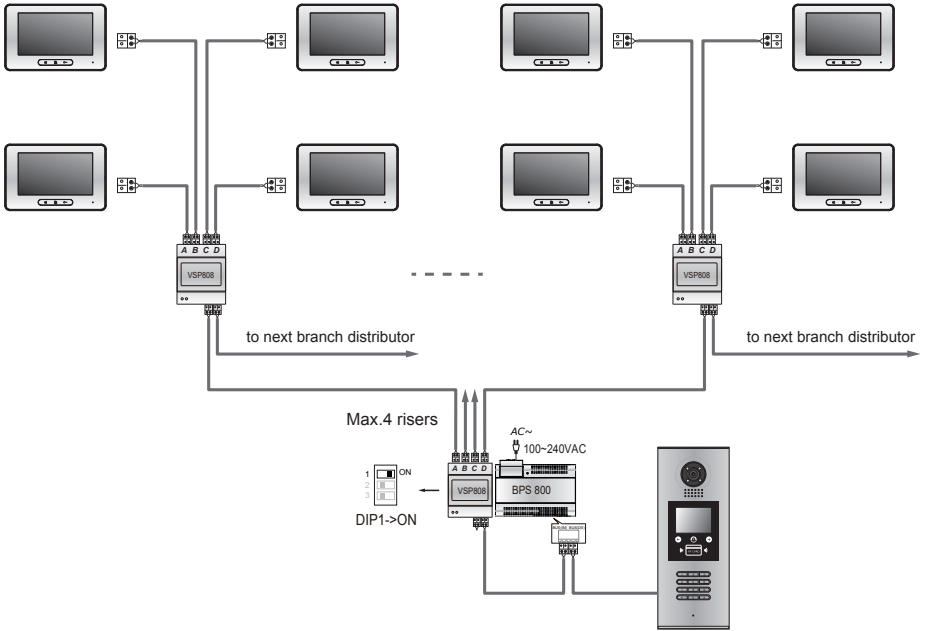
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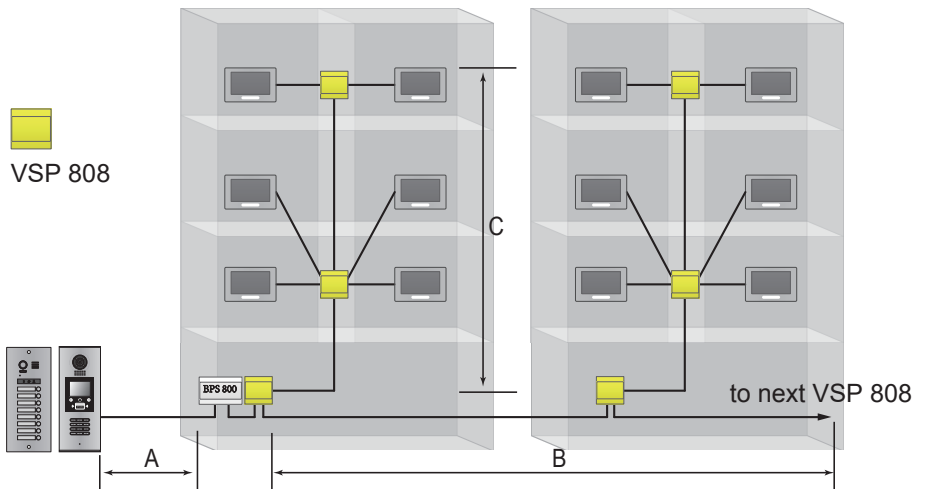
### Type 1



Wiring diagram:

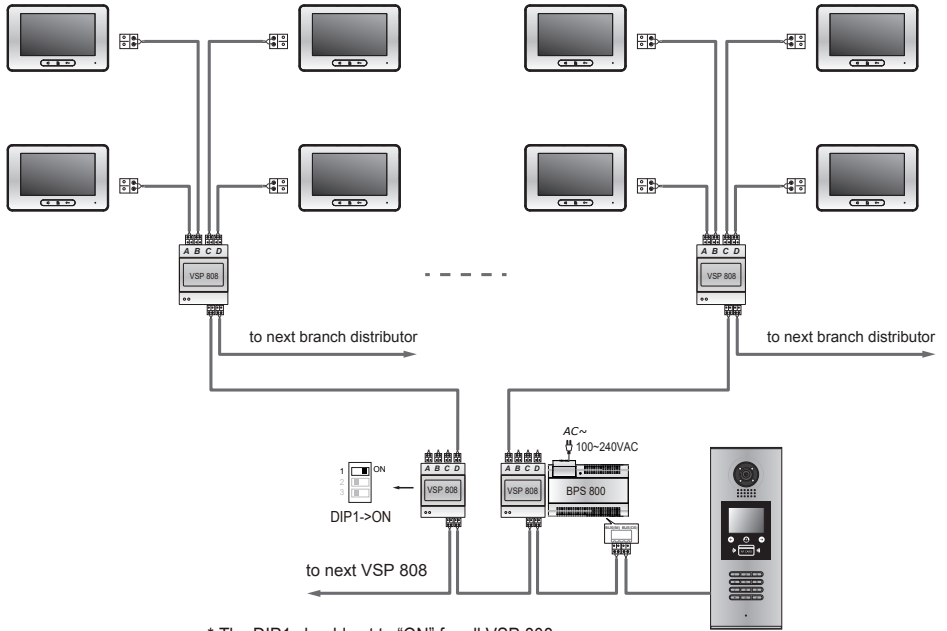


Type 2





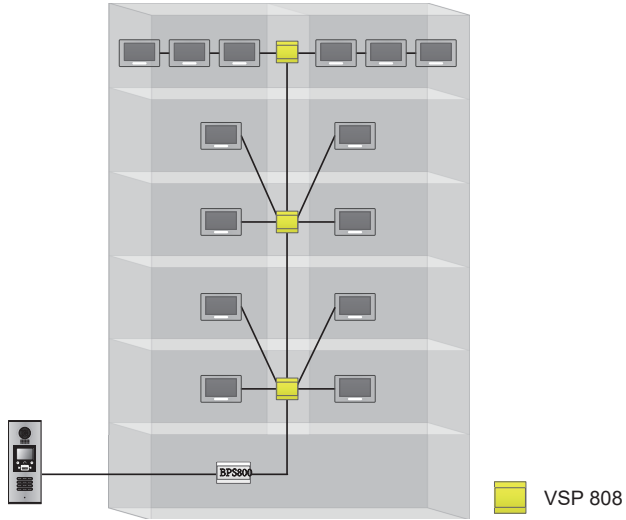
Wiring diagram:



\* The DIP1 should set to "ON" for all VSP 808.

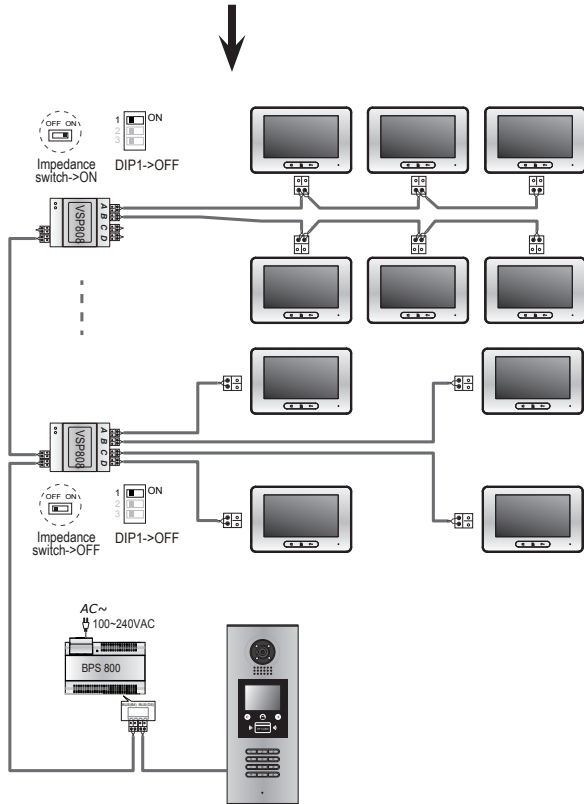


### 3. Multi monitors wiring(distributor mode)



Wiring diagram:

\* The impedance switch should set to "ON" for the last VSP 808 at the end of the bus.







## 5. Specification

Power Supply :	DC20~30V
Working Temperature:	-10°C~+40°C
Wiring:	2 wires (non-polarity)
Dimension:	89(H)×71(W)×45(D)mm
Standby Current:	4~5mA

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