

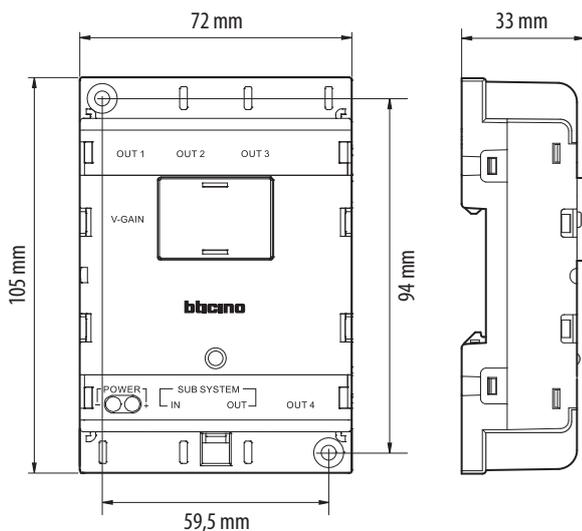
Description

D45 System interface device able to distribute video signal, audio signal, data signal of the BUS to floor shunt distributor 323002 connected with it. In this way the signals from the unit BUS can reach the maximum distance of 200 metres, meeting special needs of villas. Device should be installed in the public weak power box in the villas area. DIN rail installation.

Technical data

Power supply : 30 Vdc
 Stand by current absorption: ≤ 20 mA @ 30 V
 Max. operating current absorption: ≤ 160 mA @ 30 V
 Stand by power consumption : 0.6 W
 Operating power consumption : 4.8 W
 Operating temperature: (-10)-(+40)°C

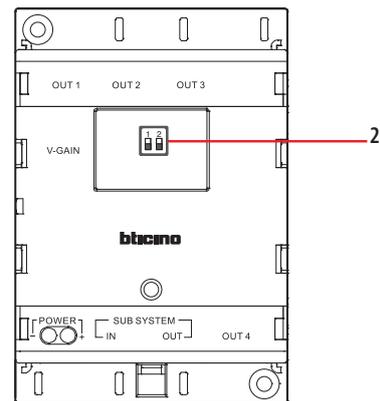
Dimensional data



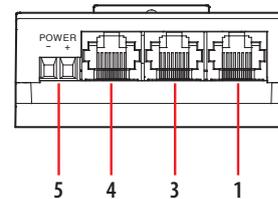
Upper view



Front view



Lower view



Legend

1. RJ45 connectors OUT1 to OUT4 for floor shunt 323002 connections
2. Video gain setting DIP SWITCH
3. RJ45 system BUS OUT connector
4. RJ45 system BUS IN connector
5. Auxiliary power supply 30 V input connector

Video gain setting



	Distance	1	2
	B/W and colour video signal	200 m	OFF
200 – 400 m		ON	OFF
		OFF	ON
400 – 500 m		ON	ON

Installation notes

- For detached villas without Small EP, if there are 1 to 3 handsets in one villa, then connect each handset to the respective port of floor shunt. One handset must be set as master and the others as slaves (one basic apartment interface is used to connect several handsets, saving apartment interfaces).
- If there are 4 to 5 handsets in one house, one apartment interface should be connected to the handset port for expansion. The Small EP will be connected to the apartment interface, which must be separately powered (as there are many handsets, they need to be powered separately).
- When the detached villa is only fitted with one handset, this can be connected to floor shunt. If there are 2 to 5 handsets, one apartment interface needs to be added for expansion, and the Small EP must be connected to the apartment interface.

- The distance between the villa shunt and the handset must be less than 50 meters and the villa shunt can only be used for one villa.
- The maximum distance between villa shunt and floor shunt can reach 200 meters, but on the precondition that the maximum distance from the furthest video source (like main EP) to the furthest video terminal (like handset and switchboard) must be 1000 meters for the colour system and 2000 meters for the B&W systems.
- To ensure correct operation of villa shunt and floor shunt, their power source must be configured following the software calculation results.

Wiring diagram

Typical wiring diagram of villa shunt for the detached villas:

