Apartment interface

323009

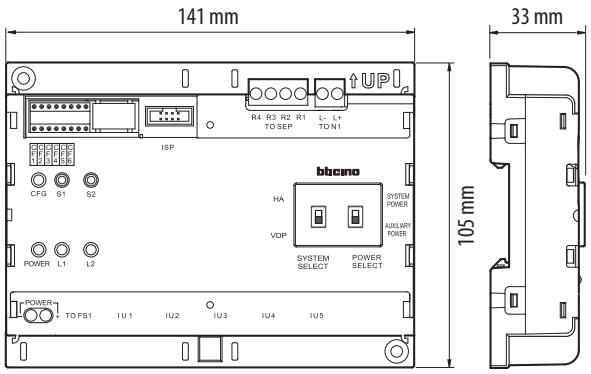
Description

D45 System interface device used to expand the number of indoor handsets and add a secondary entrance panel. Each apartment interface can connect 5 handsets and 1 entrance panel, providing the intercom function and call or monitoring function of the entrance panel. DIN rail installation. Device must be configured.

Technical data

Power supply:	30 Vdc
Stand by current absorption:	≤ 40 mA @ 30 V
Max. operating current absorption:	≤ 140 mA @ 30 V
Stand by power consumption:	1.2 W
Operating power consumption:	4.2 W
Operating temperature:	(-10)-(+40)°C

Dimensional data



Configuration

Two different configuration modes available for whole system :
configuration **MODE 1** and configuration **MODE 2**. The main characteristics for each configuration mode are listed below.

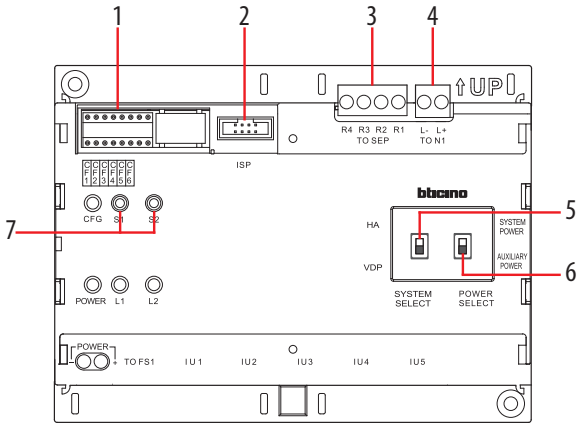
When the biggest number of #FF in whole system is ≤ 20, and the biggest number of #II is ≤4, and the total risers number is ≤ 50, we recommend to choose (**MODE 1**) configuration for system.

When the biggest number of #FF in whole system is more than 20, or the biggest number of #II is more than 4, we suggest to use (**MODE 2**) configuration to setup #FF (choose the biggest number #FF of system) and #II (choose the biggest number #II of system), then calculate total IU number of system. If the total number (#FF * #II * R) is less or equal 4000, use of (**MODE 2**) is suggested.

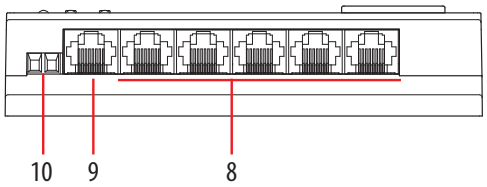
Two different device configuration ways available:

WAY 1) Configuration settings by inserting phisical configurators
WAY 2) Configuration by using SF2 Software and PC connection

Front view



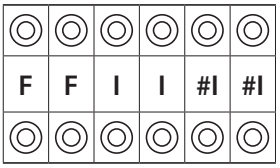
Lower view



Legend

1. Configurators housing
2. Serial interface connector for PC configuration and firmware update
3. Analogue small entrance panel connections
4. Electrical door lock connector
5. Switch for system mode selection:
   - (HA) position = home automation system
   - (VDP) position = video door entry system
6. Power supply source selection switch :
   - SWITCH UP position = system power supply power source enabled
   - SWITCH DOWN position = auxiliary power supply source enabled
7. S1 - S2 Manual device configuration pushbuttons (NOT USED)
8. IU1 to IU5 RJ45 Indoor handsets connectors
9. RJ45 floor shunt connector
10. Auxiliary power supply input connector (30 V)

Configuration by inserting phisical configurators - WAY 1:



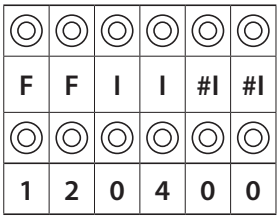
Code for the configuration place - meaning of the configuration place:

CONFIGURATION PLACE	MODE 1	MODE 2	DIRECTIONS
CF1	FF	FF	FF is the Device floor number (Tens at the front)
CF2			
CF3	II	II	II means the Device apartment number (Tens at the front)
CF4			
CF5		#II	#If we have four households on each floor (tens at the front): #II is for 0 (or no configuration resistor), the default is 4 households. The building is 20floors.
CF6			

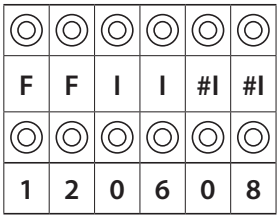
With 4 apartments at each floor and a total of not over 20 floors, you can configure as per **MODE 1** (The floor number is from 1 to 20 and the apartment number is from 1 to 4); if not so, you must use **MODE 2** for the configuration.

Configuration examples:

EXAMPLE (A) - Apartment interface there are 20 floors in 323009 unit, with four houses at each floor. When the house number is 1204, 323009 can be configured as per **MODE 1**.

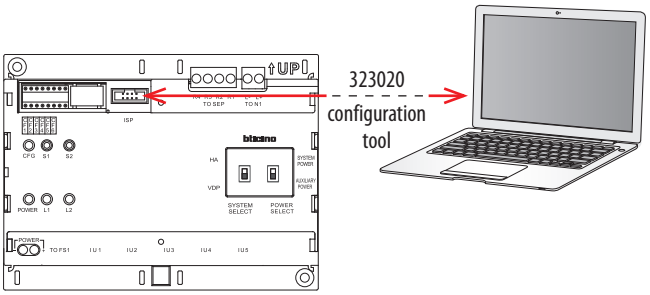
CONFIGURATION PLACE	CONFIGURATION VALUE	REMARKS	CONFIGURATION DIAGRAMS
CF1	1	FF=12	
CF2	2		
CF3	0	II=04	
CF4	4		
CF5	0	#II is configured as 0 and the system will default the house number at each floor as 4.	
CF6	0		

EXAMPLE (B) - If the room number is 1206 and the apartment number at each floor is 8, then device must be configured as per **MODE 2**.

CONFIGURATION PLACE	CONFIGURATION VALUE	REMARKS	CONFIGURATION DIAGRAMS
CF1	1	FF=12	
CF2	2		
CF3	0	II=06	
CF4	6		
CF5	0	#II=08	
CF6	8		

Configuration by using SF2 Software and PC connection - WAY 2:

This is the enhanced way to download the device configuration to apartment interface device previously created by using SF2 configuration software and a personal computer. To transfer use the configurator hardware tool 323020 serial interface.

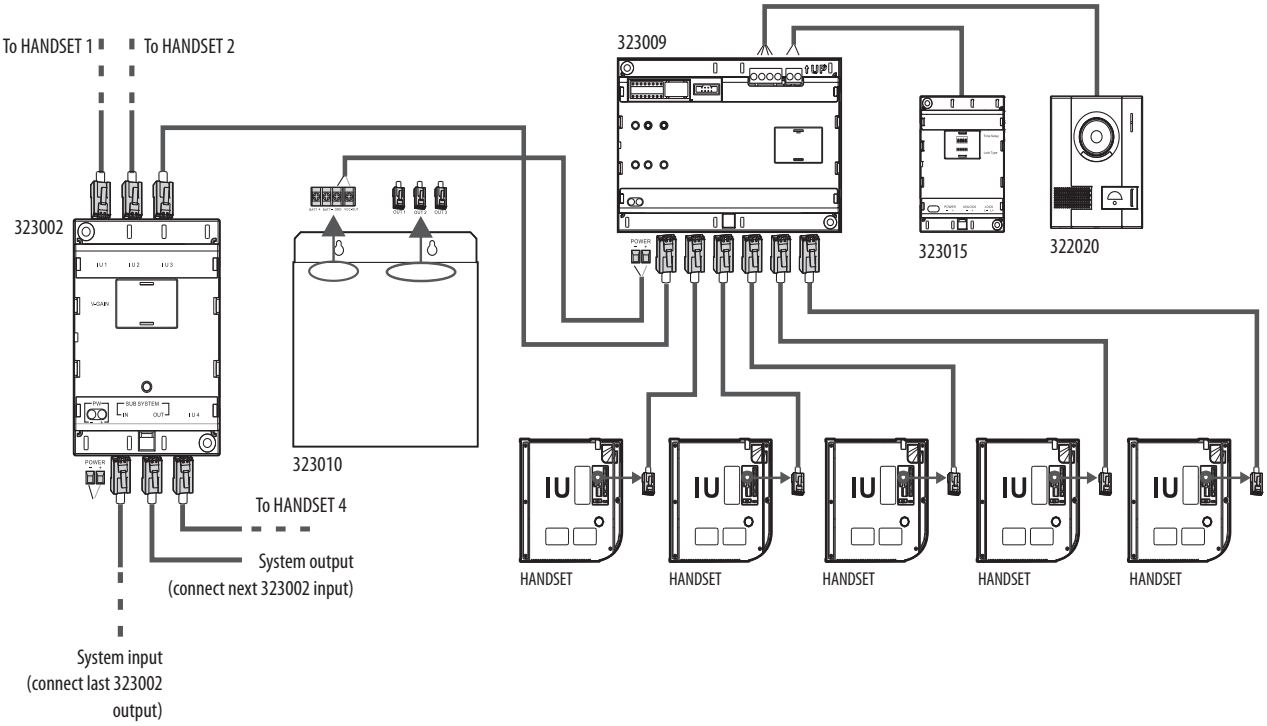


WARNING: in order for the communication to take place, device must be powered and not physically configured.

Wiring diagram

Typical Wiring Diagram 1

Remarks: we suggest to use auxiliary power supply. If the power consumption of five indoor units is not more than the supply of one power supplier, then these five indoor units can be all set as the master indoor units.



Typical Wiring Diagram 2

Remarks : If powered through the unit BUS system, only one indoor unit can be set as the master indoor unit.