

**Description**

D45 System entrance panel (EP) with colour camera and 20 backlit call pushbuttons with possibility to direct call to the porter switchboard.

Possibility to send an alarm message to the switchboard when opening over 2 minutes of the associated lock or when trying to remove the device.

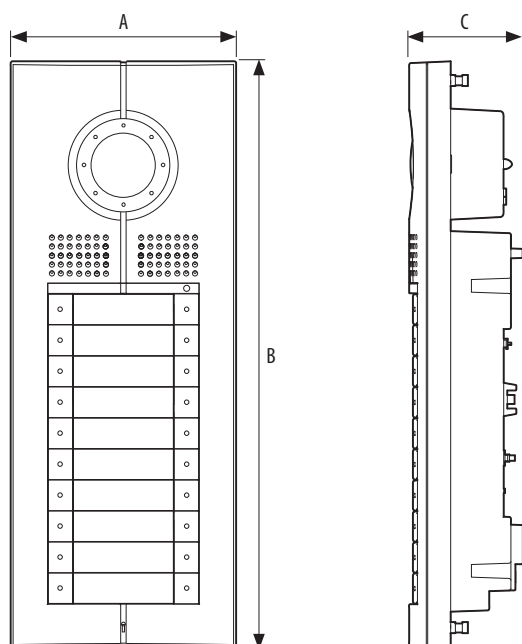
Setup key functions via programming, physical configurators insertion or through the dedicated software supplied with the product. Flush mounting installation with dedicated box (supplied with the product).

**Related items**

322033 additional 32 pushbuttons panel

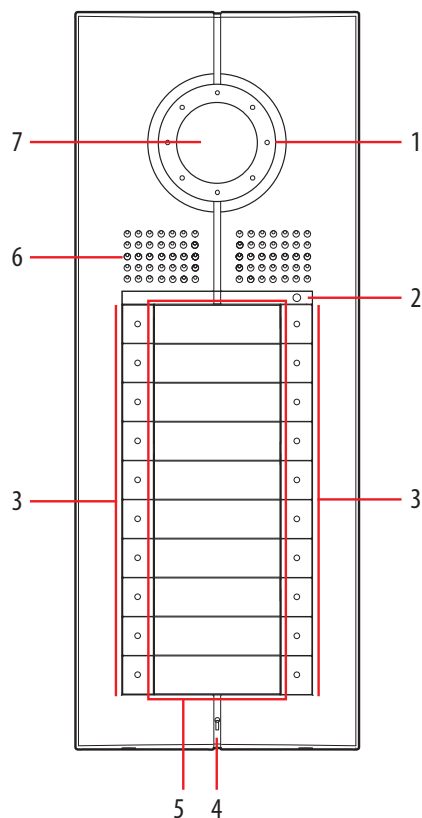
**Technical data**

Power supply:	30 Vdc
Stand by absorption:	≤ 14 mA @ 30 V
Max. operating absorption:	≤ 230 mA @ 30 V
Camera sensor:	1/3"
Camera resolution:	540 TV lines (horizontal)
Lens:	F3.6 mm
Illumination of the viewing field:	white LEDs
Operating temperature:	(-25) – (+55) °C
Protection index:	IP54
Protection index against mechanical impact:	IK07

**Dimensional data**

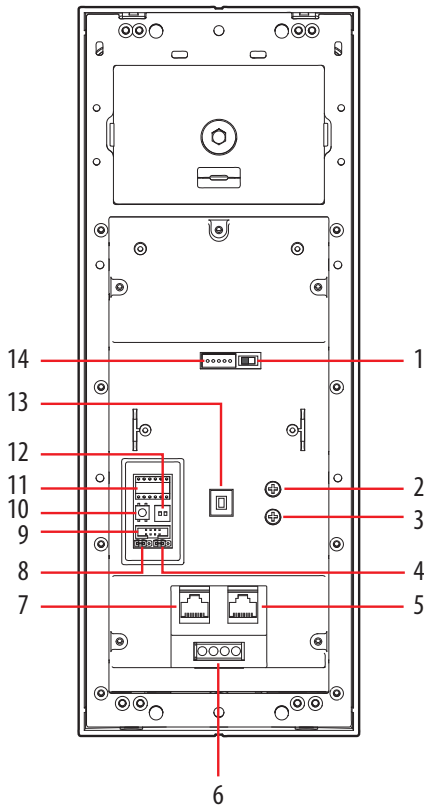
A (mm)	B (mm)	C (mm)
125	325	63

Front view

**Legend**

1. LEDs for night lighting of the shooting field
2. Light sensor for automatic switching on of the night backlighting
3. Call pushbuttons (n° 20)
4. Microphone
5. Nameplates (n° 20)
6. Loudspeaker
7. Colour camera

Rear view



**Legend**

- 1. Switch (ON - OFF) - enable/disable anti removal (tamper) function
- 2. SPK : loudspeaker volume adjust
- 3. MIC : microphone volume adjust
- 4. Status jumper socket
- 5. RJ45 system BUS connector
- 6. 4 poles connector (GND /DAS/LOCK-/LOCK+). GND/DAS = electrical door lock status connector - LOCK-/LOCK+ = electrical door lock connector
- 7. RJ45 additional pushbuttons panel connector
- 8. Mode jumper socket
- 9. ISP : entrance panel software upgrade connector
- 10. Room number reset/door lock status setting pushbutton
- 11. Configurations socket
- 12. DIP-SWITCH for video gain setting - see specific section
- 13. Anti-theft switch
- 14. VIDEO-IN/GND/NC/+12V/LED : entrance panel camera and compensation lamp connector

**Entrance panel status setting**

Entrance panel have two status, one is work status, another is setting status. In **work status**, entrance panel can call internal unit and work with internal unit. Entrance panel usually is in this status. In **setting status**, entrance panel can't call and work with internal unit, but can set room number or SCS address of corresponding pushbutton. After finished set, exit setting status by jumper insertion (NA).

By inserting jumper (NA), entrance panel is in work status. By inserting jumper (CF), entrance panel is in setting status.

**Call mode**

D45 system have two call modalities, one is **room number mode**, another is **SCS address mode** (direct call mode). In room number mode, internal unit can be set according to the room number; visitor type room number in entrance panel to call resident. **Factory default is in room number mode.**

In SCS address mode (direct call mode), internal unit can be set according to SCS address. Visitor just type SCS address to call resident, for example just type 1.

For pushbuttons entrance panel, must be defined each pushbutton math a room number or SCS address.

**Configuration**

⊙	⊙	⊙	⊙	⊙	⊙
N #1	N #1	F	F	I	I
⊙	⊙	⊙	⊙	⊙	⊙

Configuration define in setting status as for below table:

	ROOM NUMBER MODE	SCS ADDRESS MODE
#/#	maximum apartment quantity per floor	Don't use
FF	floor number of corresponding pushbutton	SCS address high digit of corresponding pushbutton
II	apartment number corresponding pushbutton	SCS address low digit of corresponding pushbutton

Configuration define in work status as for below table:

	DEFINE
NN	Entrance panel number
FF	Don't use
II	Don't use

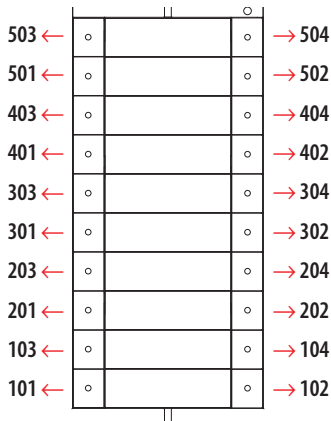
Two different configuration ways available:

- Configuration by inserting physical configurators - **WAY 1**
- Configuration by using SF2 software and PC connection - **WAY 2**

**Configuration**

**Configuration settings by inserting physical resistor configuration - WAY 1:**

Factory default is room number, see pushbutton corresponding room number as follows:



**Assign room number or SCS address for each pushbutton**

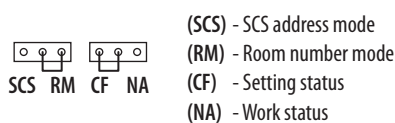
**Room mode number**

First select (CF) entering setting status, then select (RM) entering room number mode, insert configurators, last press the pushbutton which you want to set in the front of the panel until a long tone be heard. A long tone will indicates that room number has been successfully completed.

Repeat configurators insertion to set all room number corresponding pushbutton. After finished to set all room number, jumper must select (NA) to exit setting status.

**Example - set the 1st. right pushbutton as 203 - number of apartments per floor = 06 :**

- jumper select (CF) enter setting status, jumper select (RM) enter room number mode
- insert configurators 02 in FF sockets and configurators 03 in II sockets and insert configurators 06 in #1 #1
- press the 1st. pushbutton left on the front of the panel. A long tone indicates setting well done. If you heard three short tones it means that setting is wrong. (We cannot set FF and II as 00).
- repeat this setting sequence for all pushbuttons. At the end, insert a jumper between (NA pins). The setting procedure is finished.



POSITION	VALUE FOR CONFIGURATOR
N	0
N	6
F	0
F	2
I	0
I	3

**SCS address mode (direct call mode)**

First, jumper select (CF) entering setting status, then jumper select (SCS) entering SCS address mode. Insert configurators, last press the pushbutton which you want to set in the front of panel until a long tone be heard. A long tone will indicates SCS address has been successfully completed.

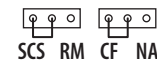
Repeat configurators insertion to set all SCS address corresponding pushbutton. After finished to set all SCS address, jumper must select (NA) to exit setting status.

**Example - set the 1st. right pushbutton as 0123:**

- jumper select (CF) enter setting status, jumper select (CF) enter SCS address mode
- insert configurators 0123 in FFII sockets
- press the 1st. pushbutton left on the front of the panel. A long tone indicates setting well done. If you heard three short tones it means that setting is wrong. (Max. SCS configuration address is 4000).
- repeat this setting sequence for all pushbuttons. At the end, insert a jumper between (NA pins). The setting procedure is finished.

**Setting of porter switchboard call :**

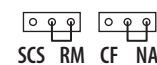
same procedure as for the SCS address mode setting but porter switchboard address is fixed to 4000. Means that FFII must be set as 4000.



POSITION	VALUE FOR CONFIGURATOR
N	
N	
F	0
F	1
I	2
I	3

**Setting of entrance panel number :**

Jumper select (NA) enter work status - inserting the jumper between (NA pins), NN configurators indicates the entrance panel number (range from 01 to 80).



**Example - set the entrance panel number as 03:**


while entrance panel power supply is OFF, insert a jumper between NA pins, put configurators 03 in NN sockets. Then put power supply ON, the entrance panel will save the 03 number.

**NOTE (A) :** physical configurator insertion has higher priority. If NO configurator inserted, the EP number is the last value we got by configurators or by SF2 software. Default number is 01.


**NOTE (B) :** the entrance panel number MUST BE the same as for the associated additional pushbutton panel.

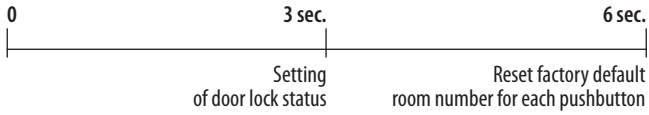
**Configuration**

**Setting of door lock status:**

device in stand by status - press and maintain for about 3 seconds the key  located on the back of the entrance panel. A short tone indicates that device detect the actual door lock status (always ON or OFF - this status will be signalled to porter switchboard).

**Reset of factory default room number for each pushbutton**

device in stand by status - press and maintain for about 6 seconds the key  located on the back of the entrance panel until one long tone is heard. This indicates that the reset has been successfully completed.



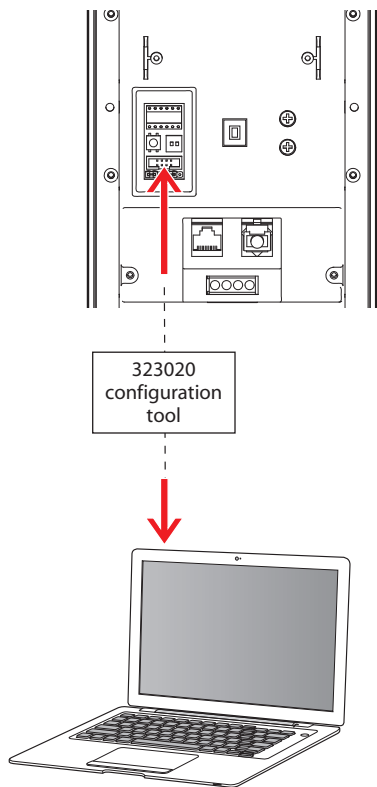
**Setting of anti removal (tamper) function:**

This function indicates the removal of the device from the wall. If someone try to remove the device from the wall, an alarm message will be sent to the porter switchboard. On the back of the entrance panel, there are two ON - OFF switches : one is the anti tampering function enable switch; the other is to set ON or OFF this function.



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

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



**Video gain setting**

The entrance panel has two video compensation gears, we can let the video signal output adapt to different transmission distance. See followings:



DIP SWITCH SETTINGS FOR B/W. AND COLOUR SYSTEM

Distance	1	2
0 – 300 m	OFF	OFF
300 – 700 m	ON	OFF
700 – 1000 m	ON	ON

**WARNING :** to ensure that the communication is successful, entrance panel must be powered and NOT physically configured.