Modular stainless steel doorstation with analogue telephone line interface

The modular DOORTELLO BUSINESS doorstation program can be conneted to any analogue telephone line, like an extension line of a PABX. Pressing a chime button or activating the dial pad the line will be sized and a stored number or the pressed key will be dialed. DTMF tone are used to dial. For each chime button on telephone number with up to 16 digits can be stored. Also special dial functions like flash or pause can be stored in a number. Furthermore also special function, like the automatic activation of a relais, can be assigned to each button.

The RISC "Dual-Processor" technology allows the development of very unique functions like the fully programmable tone detection plan or the speakerphone switch between full- or half-duplex mode. A large selection of peripheral units, like b/w and colour cameras and transponder access control units,is completeing the product offer.

The programmation of the unit is done using DTMF tones and can be done also from remote. Also the two build in driver contacts, and other functions, can be activated using DTMF codes during the conversation.

An innovative bus cabling system allows a fast and easy installation of the doorstation according to your needs. All modules, as far as required, have a blue night design for each button and name label. This ensures also a good overview during the night. The system has a automatic heating system for a secure functionality with low temperatures as well.

For the use with exitsing doorstations or letter boxes a special version for installation behind panel is available together with an encoding unit for external buttons.

Doortello Business

2 mm V2A stainless steel

modular system

modern design

up to 127 chime buttons

dial pad for telephone numbers and access codes input

A modular system

Doorphone modules

with analogue telephone line interface, able to connect up to 127 chime buttons and one dial pad. Bus cabling system for expansion modules. Two build in driver contacts.
100 x 92 mm (l x h)

Chime button modules

Bus cabling system for the connection to the doorphone and other modules. Blue LED night design for button and name labels.
100 x 92 mm (l x h)

Dial pad module

Dial pad with 12 numeric, 4 functional keys and 2 LEDs. Blue LED night design for all buttons.
100 x 92 mm (l x h)

Special modules

Emergency call button module with ring illumination in different colours. Also available as protected version. Bus cabling system to the doorphone. Standalone access control for up to 500 transponder cards or key holder, or up to 99 finger-prints. 1, 2 or 3 driver contacts 12 Vac/dc power supply.
DIN key lock modul, with or without key lock and 1 driver contact.
All modules 100 x 92 mm (l x h).
This modules can not be installed using the flat wall mounting cases, for the installation with the flat pedestals a special adapter is needed.
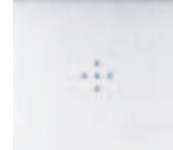
Camera modules

Camera modules with b/w or colour video. H/V adjustable angle. Integrated heating system. 21 Vdc power supply. Video transmission using coaxial, symmetrical lines (i.e. telephone cables) or IP.
All modules 100 x 92 mm (l x h).
This modules can not be installed using the flat wall mounting cases, for the installation with the flat pedestals a special adapter is needed.

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DB 01
Speakerphone behind Panel

DB 02
Speakerphone module

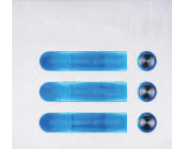**DB 10**
Spare module

DB 18
Microphone module

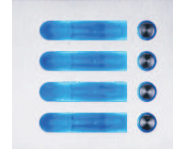**DB 21**
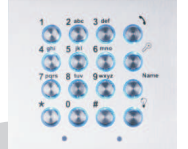Information module

DB 11
1 chime button

DB 12
2 chime buttons

DB 13
3 chime buttons
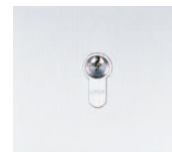
DB 14
4 chime buttons

DB 20
Dial pad

DB 16
Emergency call button with ring illumination

DB 17
Protected emergency call button

DB 22/1
Key switch with 1 contact
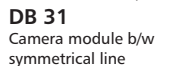
DB 24
Transponder access control

DB 25
Fingerprint access control

DB 30
Camera module b/w
DB 31
Camera module b/w symmetrical line
DB 32
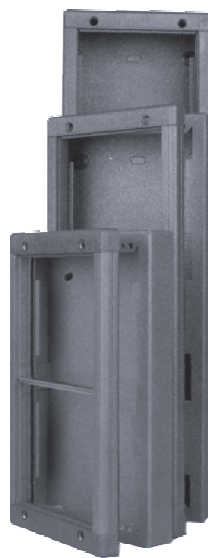Camera module colour

DB 33
IP camera module colour

Flush mounting cases with frame

For the flush mounting installation of the door station four different cases with frame are available. Thus can be combined for larger installations. Available in the colours anthracite and grey.

Dimensions (l x h x d) in mm

	Casing	Frame
MXXTE1	115 x 115 x 45	123 x 123 x 14
MXXTE2	115 x 207 x 45	123 x 215 x 14
MXXTE3	115 x 299 x 45	123 x 307 x 14
MXXTE4	115 x 391 x 45	123 x 399 x 14

For the flush mounting cases also cover frames and weather hoods are available for installation from1 to 12 modules.

Wall mounting cases FLAT

For the wall installation of the door station four flat wall mounting cases are available. Available in the colours anthracite and grey.

Dimensions (l x h x d) in mm

	Flat casing
DB 710	123 x 123 x 25
DB 720	123 x 215 x 25
DB 730	123 x 307 x 25
DB 740	123 x 399 x 25

Stainless steel wall cases

The stainless steel wall mounting cases allows you the wall installation of the flush cases MXXTE1 to MXXTE4. They are complete with a weather hood.

Dimensions (l x h x d upper x d lower) in mm

	Stainless steel cases
MXXP001	142 x 140 x 90 x 50
MXXP002	142 x 232 x 90 x 50
MXXP003	142 x 324 x 90 x 50
MXXP004	142 x 416 x 90 x 50

More wall mounting cases are on demand available for installations with 6 to 12 modules.

Features

✓ Up to 127 chime buttons (dry contact) can be connected. For each button one 1 to 16 digits long telephone number (1-0,*,#,flash,pause) can be stored
✓ Dial pad for the input of telephone numbers and access codes, with 4 free programmable functional buttons
✓ Programming using DTMF tones with password control (remote programming)
✓ Programmable door opening time (0 to 99 seconds)
✓ RISC processor controlled state-of-the-art speakerphone
✓ Selectable full- or half-duplex speakerphone function
✓ Speech recognition
✓ Programmable ringback and busy tone detection
✓ Programmable automatic call answer
✓ Programmable call duration from 1 to 99 calls
✓ Programmable automatic setup of loudspeaker and microphone (i.e. to switch off the loudspeaker during call setup)
✓ Volume control for loudspeaker and microphone
✓ 2 integrated dry driver contacts (door opening function)
✓ Programmable automatic driver contact activation for each button
✓ Manual disconnection with DTMF tone dial
✓ Programmable automatic disconnection after door opening
✓ DTMF tone filter to disable input from outside
✓ Connection to a standard analogue telephone line using two wires
✓ DTMF dial
✓ Programmable maximum connection time from 1 to 999 seconds
✓ Access code function fro two driver contact with 1 to 6 digits long codes
✓ Dial pad with up to 100 speed dial numbers
✓ New dial, after the input of a telephone number or speed dial code thus can be deleted to enable a new input without waiting focall duration
✓ Integrated automatic heating system with automatic switch on at 10°C and switch off at 20°C (only with external power supply)
✓ Additional amplifier for loudspeaker (only with external power supply)

Optional features

✓ Encoding unit DB 15 with bus cabling system for up to 127 buttons for the connection of external dry contact buttons

Flat pedestals

The free standing flat pedestals are available in three highs and four models for 1, 2, 3 or 4 modules. They are delivered complete with frame. Available in the colours anthracite, grey and "stainless-steel-look"

Dimensions (l x h x d) in mm
DB 5130 170 x 1170 x 30 for 1 module
DB 5230 170 x 1170 x 30 for 2 modules
DB 5330 170 x 1170 x 30 for 3 modules
DB 5150 170 x 1500 x 30 for 1 module
DB 5250 170 x 1500 x 30 for 2 modules
DB 5350 170 x 1500 x 30 for 3 modules
DB 5450 170 x 1500 x 30 for 4 modules
DB 5270 170 x 1700 x 30 for 2 modules
DB 5370 170 x 1700 x 30 for 3 modules
DB 5470 170 x 1700 x 30 for 4 modules

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Technical data

Power supply:	With single connection and use with a public or private telephone line the free running voltage should not be below 20 Vdc. If this voltage can't be reached the unit has to be power supplied.
External power supply:	8 to 12 Vdc, max. 400 mA
Current consumption on telephone line::	ca..15 μA (standby)
	18-60 mA (nominal)
Optical indicators:	One green and one red LED (only with dial pad module)
Speakerphone:	Half duplex, full duplex or manual switching
Dial:	DTMF
Detectable DTMF tones:	min. 50 ms duration
Detectable busy tone:	350 - 480 Hz programmable
Detectable ring back tone:	350 - 480 Hz programmable
Line impedance:	600 Ohm or Zr selectable
Programming:	using a telephone with DTMF tones
Call answer:	Automatic or manual (programmable)
Detectable ringing current:	24 to 90 Vac (with or without dc overlay), 25 to 50 Hz
Applicable power for integrated contacts:	40 V ac/dc, 2 A max.
Casing:	ABS plastic case and 2 mm V2A stainless steel plate (ES version only)
Protection degree:	IP 54 (ES version only)
Dimensions h x l x d:	94 x 86 x 22 mm (BG)
	100 x 92 x 25 mm (ES)
Weight:	100 Gramm (BG)
	350 Gramm (ES)
Environment:	-20° to +50°C (with external power supply)
Humidity:	30 to 90% relative without condensing
Security:	EN 60950
EMC:	EN 55022:2006; EN 61000-6-1:2002
Telephone line:	ETSI EN 301 437; TBR 21
Approvals:	R&TTE, CE
Further labelling:	WEEE, RoHS

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DOORTELLO BUSINESS
Easy installation with modular design and bus cabling system.