

Door entry system

# ABB-Welcome Order catalogue

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# Customize to fit your needs

ABB-Welcome opens up new possibilities for both sides residents and guests. It provides comprehensive comfort, greater security and elegant design. The system harmoniously adapts to the architecture outdoors. The fascinating design and innovative technology of ABB-Welcome indoor stations can fully compliment all home designs and expectations of comfort.



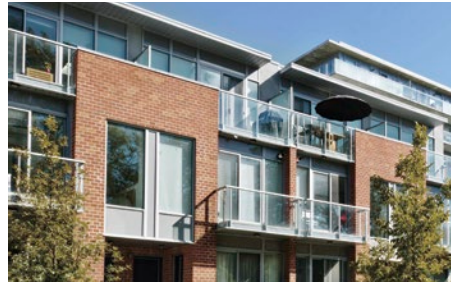
01



02



03



04

- 01 Single-family home
- 02 Multi-family home
- 03 Apartment buildings
- 04 Residential complexes



## ABB-Welcome

- 01 Welcome video keypad outdoor station, stainless steel
- 02 Welcome video outdoor station, 1 round button, stainless steel
- 03 Welcome video outdoor station, 1/2 pushbutton, aluminum
- 04 Welcome mini outdoor station, 1 pushbutton, aluminum
- 05 Welcome 7" video hands-free indoor station, white
- 06 Welcome 4.3" video hands-free indoor station, white
- 07 Welcome Basic 4.3" video hands-free indoor station, white
- 08 Welcome 4.3" video handset indoor station, white
- 09 Welcome audio hands-free indoor station, white
- 10 Welcome audio handset indoor station, white

# One solution for all requirements

The Welcome range of door entry system offers security, ease of use, more flexible installation solutions. From single-family homes to complex residential complexes, Welcome provides one flexible solution for your door entry security and communication requirements.

## ABB-Welcome capacity

- » 600 m from gate station to last indoor station
- » 250 indoor stations per building
- » 60 buildings
- » 9 guard units
- » 9 outdoor stations for each apartment (including gate stations, outdoor stations and second-confirmed outdoor stations)



## 01 Single-family homes

Welcome provides a secure, flexible and simple solution for single-family homes that contains both audio and video solutions. Meanwhile, Welcome kit is easy to expand by adding additional devices for single-family homes.



## 02 Audio solution for multi-family homes and buildings

Welcome provides a superior audio system solution that allows for easy upgrades to video.

## 03 Video solution for multi-family homes and buildings

Welcome provides a high performance video system with 2-wire video technology for multi-family homes and buildings. Its simple design easily integrates into new construction or renovation.



## 04 Network solutions for residential complexes




Welcome meets your need for networked security and communication in larger complexes such as high-rise apartments or condominiums.

# Welcome – home kits



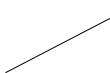


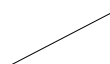










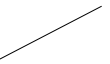



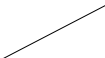


**ABB-Welcome Compact Kits.**


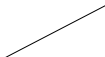
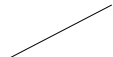

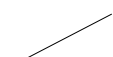


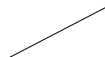



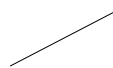

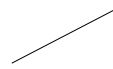
The complete solution for all intents and purposes. Each set contains all necessary devices optimally matched in function and design—easy to order and easy to install.



Set	Description	Without Induction loop	With indution loop
Audio Kit	<p><b>Audio single-family home kit</b></p> <p>Audio outdoor station, 1/2 push button, aluminum Flush mounted box, size 1/1 Mini system controller Audio handset indoor station, 3 buttons, white</p>	<p>M20001</p> 	<p>M20003</p> 
Audio Kit	<p><b>Audio single-family home kit</b></p> <p>Audio outdoor station, 1/2 pushbuttons, aluminum Flush-mounted box, size 1/1 Min-system controller Audio handsfree indoor station, 4 buttons,white</p>	<p>M20011</p> 	



Set	Description	Without induction loop	With induction loop
Video kit	<b>Video single-family home kit</b>  Video outdoor station, 1 button, stainless steel Flush mounted box, size 1/3 System controller 7" video hands-free indoor station, white IP-Gateway	<b>M20702</b>   	
Video kit	<b>Video single-family home kit</b>  Video outdoor station, 1/2 pushbuttons, aluminum Flush-mounted box, size 1/2 Mini system controller 7" video hands-free indoor station, white	<b>M20701</b>   	
Video kit	<b>Video single-family home kit</b>  Video outdoor station, 1/2 push button, aluminum Flush mounted box, size 1/2 Mini system controller 4.3" color video handset indoor station, white	<b>M20311</b>   	<b>M20313</b>   
Video kit	<b>Video single-family home kit</b>  Video outdoor station, 1/2 pushbutton, aluminum Flush mounted box, size 1/2 Mini system controller 4.3" video hands-free indoor station, white	<b>M20321</b>   	<b>M20323</b>   
Video kit	<b>Video 1 family kit</b>  Video outdoor station, 1/2 pushbuttons, aluminum Flush-mounted box, size 1/2 Rain hood, size 1/2 Mini-system controller 4.3" Video hands-free indoor station, white	<b>M20322</b>   	
Video kit	<b>Mini OS kit</b>  Mini video outdoor station, 1 pushbutton, aluminum Basic 4.3" video hands-free indoor station Mini system controller	<b>M20361</b>   	
Video kit	<b>Mini OS kit, with ID function</b>  Mini video outdoor station, 1 pushbutton, with ID card reader, aluminum Basic 4.3" video hands-free indoor station, with induction loop Mini system controller Proximity key fob, ID card, white Proximity key fob, ID card, black ID sticker		<b>M20363</b>   

Set	Description	Without induction loop	With induction loop
Video kit	<b>Video 2 family kit</b>  Mini video outdoor station, 2 pushbutton, aluminum 2 x Basic 4.3" video hands-free indoor station, white Mini system controller	<b>M20362</b>  	
Video kit	<b>Video 2 family kit</b>  Mini video outdoor station, 2 pushbutton, with ID card reader, aluminum 2 x Basic 4.3" video hands-free indoor station, with induction loop, white Mini system controller Proximity key fob, ID card, white Proximity key fob, ID card, black ID sticker		<b>M20364</b>  
Video kit	<b>Video 1 family kit</b>  Mini video outdoor station, 1 pushbutton, with ID card reader, aluminum Basic 4.3" video hands-free indoor station, with induction loop, white Mini system controller IP-Gateway Proximity key fob, ID card, white Proximity key fob, ID card, black ID sticker		<b>M20352</b>  
Video kit	<b>Video 1 family kit</b>  Mini video outdoor station, 1 pushbutton, aluminum 4.3" Colour video handset indoor station, white Mini system controller	<b>M20371</b>  	
Video kit	<b>Video 1 family kit</b>  Mini video outdoor station, 1 pushbutton, aluminum 4.3" Video hands-free indoor station Mini system controller	<b>M20381</b>  	
Video kit	<b>Video single-family home kit without indoor station</b>  Video outdoor station, 1/2 push button, aluminum Flush mounted box, size 1/2 Mini system controller IP Gateway  Indoor station is not included in the kit, but all indoor stations range can be selected.	<b>M20351</b>  	
Video kit	<b>Video 1 family kit</b>  Mini video outdoor station, 1 pushbutton, aluminum Mini system controller IP Gateway  Indoor station is not included in the kit, but all indoor stations range can be selected.	<b>M20353</b>  	

# Outdoor stations

## Stainless steel



### Audio outdoor station, stainless steel

- Clean design with brushed stainless steel.
- Surface mounting, flush mounting and cavity wall set
- Different mode setting is possible for pushbutton, such as light switch and calling guard
- Dustproof and waterproof as IP54, and vandal proof as IK07
- Product dimensions: size 1/2: 200 x 125 x 39 mm. size 1/3: 274 x 125 x 39 mm.

Article No.	Description	Pack Qty
M21011P1-S	Audio outdoor station, 1 pushbutton, stainless steel	1/19
M21013N3-S	Audio outdoor station, without pushbuttons, size 1/2, stainless steel	1/19
M21013N6-S	Audio outdoor station, without pushbuttons, size 1/3, stainless steel	1/12



### Video outdoor station, 1 button and 2 button optional

- Clean design with brushed stainless steel
- Surface mounting, flush mounting and cavity wall set
- Different mode setting is possible for pushbutton, such as light switch and calling guard
- Dustproof and waterproof as IP54, and vandal proof as IK07
- Product dimensions: size 1/3: 274 x 125 x 41 mm. size 1/4: 347 x 125 x 41 mm.

Article No.	Description	Pack Qty
M21321P1-S	Video outdoor station, 1 pushbutton, Stainless steel	1/12
M21322P1-S	Video outdoor station, 1 pushbutton, stainless steel, with NFC/IC function	1/12
M21323N3-S	Video outdoor station, without pushbuttons, size 1/3, stainless steel	1/12
M21323N6-S	Video outdoor station, without pushbuttons, size 1/4, stainless steel	1/12



### Video keypad outdoor station with speech synthesis

- Clean design with brushed stainless steel
- Built-in card reader in display module, support IC card and ID card.
- Surface mounting (41021F and 51021RH needed), flush mounting (41021F needed) and cavity wall set (51021CS needed)
- Dustproof and waterproof as IP54, and vandal proof as IK07
- Product dimensions: 347 x 125 x 41 mm.

Article No.	Description	Pack Qty
M21321K-S	Video outdoor station with keypad, ID, stainless steel	1/12
M21322K-S	Video outdoor station with keypad, IC, stainless steel	1/12

# Outdoor stations



## Mini outdoor station, one button / two buttons, aluminum

- Compact size, surface mounted and flush mounted optional
- 1 button and 2 buttons optional, built-in ID card reader
- Clean design with integrated status display
- Light switch or calling guard programmable for the 2nd button
- Up to 2 locks connections
- Dustproof and waterproof as IP54, and vandal proof as IK07
- Product dimensions  
Mini video outdoor station (99mm width, SM): 168 x 99 x 26 mm  
Mini video outdoor station (105mm width, FM): 180 x 105 x 43 mm  
Flush-mounted box: 174 x 98 x 45 mm

Article No.	Description	Pack Qty
M21312P1-A	Mini video outdoor station (99mm width, SM), 1 pushbutton, with ID card reader, with surface-mounted box	1/16
M21312P2-A	Mini video outdoor station (99mm width, SM), 2 pushbuttons, with ID card reader, with surface-mounted box	1/16
M21311P1-A	Mini video outdoor station (99mm width, SM), 1 pushbutton, with surface-mounted box	1/16
M21311P2-A	Mini video outdoor station (99mm width, SM), 2 pushbuttons, with surface-mounted box	1/16
<b>Flush-mounted outdoor station is available in April, 2017</b>		
M21362P1-A	Mini video outdoor station (105mm width, FM), 1 pushbutton, with ID card reader with flush-mounted box	1/19
M21362P2-A	Mini video outdoor station (105mm width, FM), 2 pushbuttons, with ID card reader with flush-mounted box	1/19
41361F	Pre-installation box	1/19



## Audio outdoor station, 1-row pushbutton for 1/2 calls, aluminum

- The assembled product includes audio module with 1/2 pushbutton (M251022A-A) and 1-module cover frame (51021CF-A)
- Dustproof and waterproof as IP54, and vandal proof as IK07
- Different mode setting is possible for pushbutton, such as 1 call or 2 calls in one row
- Surface mounting (41021F and 51021RH needed ) and flush mounting (41021F needed)
- The related tool is also provided in the package
- Product dimension: 128 x 125 x 40 mm.

Article No.	Description	Pack Qty
M21021P1-A	Audio outdoor station, 1/2 pushbutton, aluminum	1/19



## Video outdoor station, 1-row pushbutton for 1/2 calls, aluminum

- The assembled product includes camera module (M251021C), audio module with 1/2 push button (M251022A-A) and 2-module cover frame (51022CF-A).
- Dustproof and waterproof as IP54, and vandal proof as IK07.
- Different mode setting is possible for pushbutton, such as 1 call or 2 calls in one row.
- Surface mounting (41022F and 51022RH needed) and flush mounting (41022F needed).
- The related tool is also provided in the package.
- Product dimensions: 201 x 125 x 43 mm.

Article No.	Description	Pack Qty
M21351P1-A	Video outdoor station, 1/2 pushbutton, aluminum	1/19



## Video keypad outdoor station with speech synthesis, aluminum

- The assembled product includes camera module (M251021C), audio module with speech synthesis (M251024A-A), keypad module (M251021K-A) and display module (M251021CR/ M251022CR).
- Dustproof and waterproof as IP54, and vandal proof as IK07.
- Built-in card reader in display module, support ID card (M21351K-A) and IC card (M21352K-A).
- Surface mounting (41024F and 51024RH needed) and flush mounting (41024F needed).
- Product dimensions: 345 x 125 x 50 mm.

Article No.	Description	Pack Qty
M21351K-A	Video outdoor station with keypad, with ID card reader	1/12
M21352K-A	Video outdoor station with keypad, with IC card reader	1/12



## Modules



### Camera module

- Video color camera with large detection angle (H 86°, V 67°, D 104° ) and manually mechanical adjustment (H  $\pm 15^\circ$ , V  $\pm 15^\circ$ ), built-in infrared lighting ensures clear picture and comfortable to eyes at night and hidden surveillance from video indoor station.
- Anti-fog design with built-in heater ensures clear image even in wet conditions.
- Optional to connect one additional analog camera for surveillance inside the video indoor station.
- Product dimensions: 72 x 97 x 41 mm.

Article No.	Description	Pack Qty
M251021C	Camera module	1/12/12



(Only for Aluminum)

### Audio module, no button

- Audio module is compulsory for any audio or video outdoor station composition.
- 3 LED indicators for operation status indications: call established / system busy, communication possible and door unlocked.
- One lock can be directly connected without independent power supply for the lock.
- Additional terminal for second lock is available.
- Lock release time and speaker volume are adjustable.
- No button.
- Integrated optic sensor for day / night mode.
- Product dimensions: 72 x 97 x 38 mm.

Article No.	Description	Pack Qty
M251021A-A	Audio module, aluminum	1/12/12
M251021A-W	Audio module, coated white	1/12/12



(Only for Aluminum)

### Audio module, 1-row pushbutton for 1/2 calls

- Audio module is compulsory for any audio or video outdoor station composition.
- 3 LED indicators for operation status indications: call established / system busy, communication possible and door unlocked.
- One lock can be directly connected without independent power supply for the lock.
- Additional terminal for second lock is available.
- Lock release time and speaker volume are adjustable.
- 1-row button.
- Different mode setting is possible such as 1 call or 2 calls in one row, call guard or switching light for the first or second button.
- Integrated optic sensor for day / night mode.
- Product dimension: 72 x 97 x 38 mm.

Article No.	Description	Pack Qty
M251022A-A	Audio module, 1 row pushbutton, aluminum	1/12/12
M251022A-W	Audio module, 1 row pushbutton, coated white	1/12/12



(Only for Aluminum)

### Audio module, 2-row pushbutton for 2/4 calls

- Audio module is compulsory for any audio or video outdoor station composition.
- 3 LED indicators for operation status indications: call established / system busy, communication possible and door unlocked.
- One lock can be directly connected without independent power supply for the lock.
- Additional terminal for second lock is available.
- Lock release time and speaker volume are adjustable.
- 2-row button.
- Different mode setting is possible such as 1 call or 2 calls in one row, call guard or switching light for the first or second button.
- Integrated optic sensor for day / night mode.
- Product dimensions: 72 x 97 x 38 mm.

Article No.	Description	Pack Qty
M251023A-A	Audio module, 2 rows pushbuttons, aluminum	1/12/12
M251023A-W	Audio module, 2 rows pushbuttons, coated white	1/12/12

# Outdoor stations



(Only for Aluminum)

## Audio module, no button, with speech synthesis

- Audio module is compulsory for any audio or video outdoor station composition.
- 3 LED indicators for operation status indications: call established / system busy, communication possible, door unlocked.
- One lock can be directly connected without independent power supply for the lock.
- Additional terminal for second lock is available.
- Lock release time and speaker volume are adjustable.
- No button, with speech synthesis to play voice message according to the status.
- Integrated optic sensor for day / night mode.
- Product dimensions: 72 x 97 x 38 mm.

Article No.	Description	Pack Qty
M251024A-A	Audio module with speech synthesis, aluminum	1/12/12
M251024A-W	Audio module with speech synthesis, coated white	1/12/12



## Pushbutton module, 3-row for 3/6 calls

- Nameplate is extractable by tool, without the need to disassemble the panel.
- Backlight ensures clear visibility at night.
- 3-rows can be set for 3/6 calls.
- Either 1 or 2 calls for 1 row of buttons are set in the audio module.
- Product dimensions: 72 x 97 x 25 mm.

Article No.	Description	Pack Qty
M251021P3	3/6 pushbutton module	1/10/8
*Accessory 51021P3	1/3 height cover for 3/6 pushbutton module	10



## Pushbutton module, 4-row for 4/8 calls

- Nameplate is extractable by tool, without the need to disassemble the panel.
- Backlight ensures clear visibility at night.
- 4-rows can be set for 4/8 calls.
- Either 1 or 2 calls for 1 row of button are set in the audio module.
- Product dimensions: 72 x 97 x 25 mm.

Article No.	Description	Pack Qty
M251021P4	4/8 pushbutton module	1/10/8
*Accessory 51021P4	1/4 height cover for 4/8 pushbutton module and audio module with button	10



## Keypad module, letters A-Z

- Inputting device for keypad outdoor station.
- Letters from A-Z.
- Scroll up and down for residents' names or input letters of the calling name (display module must be accompanied, sorting is progressive upon inputting next letter of name).
- Names or call code can be downloaded from PC though USB cable or can be edited from the keyboard.
- Up to 3,000 names can be saved in the memory.
- Both public password and up to 6, 000 customized passwords are allowed.
- If wrong password is repeatedly entered, the keypad will be locked.
- Password available with 3-8 digits and calling code with 1-6 digits.
- Call guard unit is also available.
- Backlight ensures clear visibility at night.
- Product dimensions: 72 x 97 x 31 mm.

Article No.	Description	Pack Qty
M251021K-A	Keypad module, letters A-Z, aluminum	1/10/8
M251021K-W	Keypad module, letters A-Z, coated white	1/10/8
M251021K-S	Keypad module, letters A-Z, stainless steel finish	1/10/8



#### Keypad module, letters A-L

- Inputting device for keypad outdoor station.
- Letters from A-L.
- Scroll up and down for residents' names or input letters of the calling name (display module must be accompanied, sorting is progressive upon inputting next letter of name).
- Calls can also be made by combining number and letter, e.g. 112A.
- Names or call code can be downloaded from PC through USB cable or can be edited from the keyboard.
- Up to 3, 000 names can be saved in the memory.
- Both public password and up to 6, 000 customized passwords are allowed.
- If wrong password is repeatedly entered, the keypad will be locked.
- Password available with 3-8 digits and calling code with 1-6 digits.
- Call guard unit is also available.
- Backlight ensures clear visibility at night.
- Product dimensions: 72 x 97 x 31 mm.

Article No.	Description	Pack Qty
M251022K-A	Keypad module, letters A-L , aluminum	1/10/8
M251022K-W	Keypad module, letters A-L , coated white	1/10/8



#### Display module with card reader

- Large screen ensures customized message, code, and legible names.
- Withstands temperatures to -40°.
- Wiegand output is available to connect to the third party controller.
- ID card reader (accept the card with frequency of 125KHz) or IC card reader (accept the card with frequency of 13.56MHz) is integrated into the module.
- Up to 3, 000 different cards can be registered.
- Register and delete cards locally in setting menu.
- Includes different feedback sounds for accepting or rejecting the card reader.
- Supports connection to audio module without the keypad module.
- Product dimensions: 72 x 97 x 31 mm.

Article No.	Description	Pack Qty
M251021CR	Display module with ID card reader	1/10/8
M251022CR	Display module with IC card reader	1/10/8



#### Nameplate module

- Can be used to hold the address of the building or the resident directory for keypad outdoor station, or simply to fill the module within the cover frame.
- Backlight ensures clear visibility at night.
- Product dimensions: 72 x 97 x 24 mm.

Article No.	Description	Pack Qty
51021DN	Directory nameplate module	1/10/8



#### Pushbutton module, one round button

- 1 round pushbutton with even backlight ensures legible nameplate at night.
- NFC/IC reader button optional.
- Screwless mounting module compatible for stainless steel and aluminum outdoor station.
- Supporting software ensures high quality nameplate printing.
- Product dimensions: 72 x 97 x 31 mm.

Article No.	Description	Pack Qty
51011P1	Pushbutton module, 1 pushbutton	1/10/8
51012P1	Pushbutton module with NFC/IC function, 1 pushbutton	1/10/8

# Outdoor stations



## Pushbutton module, two round pushbuttons

- 2 round pushbutton with even backlight ensures legible nameplate at night.
- NFC/IC reader button optional.
- Screwless mounting module compatible for stainless steel and aluminum outdoor station ranges.
- Supporting software ensures high quality nameplate printing.
- Product dimensions: 72 x 97 x 31 mm.

Article No.	Description	Pack Qty
51011P2	Pushbutton module, 2 pushbuttons	1/10/8
51012P2	Pushbutton module with NFC/IC function, 2 pushbuttons	1/10/8



## Pushbutton module, three round pushbuttons

- 3 roundpush button with even backlight ensures legible nameplate at night.
- NFC/IC reader button optional.
- Screwless mounting module compatible for stainless steel and aluminum outdoor station.
- Supporting software ensures high quality nameplate printing.
- Product dimensions: 72 x 97 x 31 mm.

Article No.	Description	Pack Qty
51011P3	Pushbutton module, 3 pushbuttons	1/10/8
51012P3	Pushbutton module with NFC/IC function, 3 pushbuttons	1/10/8



## Camera integration unit

- For the integration into letter boxes and bell systems of different manufacturers.
- The cutout must be created by the manufacturer.
- Extended audio module assembly with video function.
- Video camera with automatic day/night switchover and infrared LEDs to illuminate the night shots.
- Installed heating to keep the lens free of condensation.
- Vertical/horizontal detection angle: 86°/67°
- Product dimensions: 62mm x 98 mm x 35 mm.

Article No.	Description	Pack Qty
83501-101-500	Camera extension unit	1/10/8



## Audio integration unit

- For the integration into letter boxes and bell systems of different manufacturers.
- Makes audio communication possible.
- Built-in relay for operating the door opener.
- 8 inputs for connecting the doorbell push-switches.
- Adjustable volume.
- With interface for the connection of built-in keypad extensions.
- With interface for the connection of the camera module.
- Product dimensions: 68 mm x 126 mm x 31 mm.

Article No.	Description	Pack Qty
83110-500	Audio integration unit	1/10/8



## Extension unit

- Extends the built-in audio module assembly by a further 12 binary inputs.
- For the integration into letter boxes and bell systems of different manufacturers.
- With interface for the connection of additional built-in keypad extensions.
- The built-in audio module can be extended to a maximum of 99 inputs for doorbell push-switches with the aid of the built-in keypad extension.
- Product dimensions: 68 mm x 50 mm x 24 mm.

Article No.	Description	Pack Qty
83111-500	Extension unit	1/10/8



## Accessories



### Cover frame, size 1/1

- The invisible screw design with provision of double columns is aesthetically pleasing.
- The tool to dismount the end strip is also included in the package.
- Size 1/1, 128 x 125 x 19 mm.

Article No.	Description	Pack Qty
51021CF-A	Cover frame, 1-module, size 1/1, aluminum	1/34
51021CF-W	Cover frame, 1-module, size 1/1, coated white	1/34



### Cover frame, size 1/2

- The invisible screw design with provision of double columns is aesthetically pleasing.
- The tool to dismount the end strip is also included in the package.
- Size 1/2, 201 x 125 x 19 mm.

Article No.	Description	Pack Qty
51022CF-A	Cover frame, 2-module, size 1/2, aluminum	1/34
51022CF-W	Cover frame, 2-module, size 1/2, coated white	1/34



### Cover frame, size 1/3

- The invisible screw design with provision of double columns is aesthetically pleasing.
- The tool to dismount the end strip is also included in the package.
- Size 1/3, 274 x 125 x 19 mm.

Article No.	Description	Pack Qty
51023CF-A	Cover frame, 3-module, size 1/3, aluminum	1/22
51023CF-W	Cover frame, 3-module, size 1/3, coated white	1/22



### Cover frame, size 1/4

- The invisible screw design with provision of double columns is aesthetically pleasing.
- The tool to dismount the end strip is also included in the package.
- Size 1/4, 347 x 125 x 19 mm.

Article No.	Description	Pack Qty
51024CF-A	Cover frame, 4-module, size 1/4, aluminum	1/22
51024CF-W	Cover frame, 4-module, size 1/4, coated white	1/22



### Cover frame, size 1/5

- The invisible screw design with provision of double columns is aesthetically pleasing.
- The tool to dismount the end strip is also included in the package.
- Size 1/5, 420 x 125 x 19 mm.

Article No.	Description	Pack Qty
51028CF-A	Cover frame, 5-module, size 1/5, aluminum	1/22



### Cover frame, size 2/3

- The invisible screw design with provision of double columns is aesthetically pleasing.
- The tool to dismount the end strip is also included in the package.
- Size 2/3, 274 x 230 x 19 mm.

Article No.	Description	Pack Qty
51025CF-W	Cover frame, 6-module, size 2/3, aluminum	1/11
51025CF-W	Cover frame, 6-module, size 2/3, coated white	1/11

# Outdoor stations



## Cover frame, size 2/4

- The invisible screw design with provision of double columns ensures a pleasing appearance.
- The tool to dismount the end strip is also included in the package.
- Size 2/3, 347 x 230 x 19 mm.

Article No.	Description	Pack Qty
51026CF-A	Cover frame, 8-module, size 2/4, aluminum	1/11
51026CF-W	Cover frame, 8-module, size 2/4, coated white	1/11



## Cover frame, size 2/5

- The invisible screw design with provision of double columns ensures a pleasing appearance.
- The tool to dismount the end strip is also included in the package.
- Size 2/5, 420 x 230 x 19 mm.

Article No.	Description	Pack Qty
51029CF-A	Cover frame, 10-module, size 2/5, aluminum	1/11



## End strip

- End strip for outdoor station cover frame.
- 2 types available, one for single-column wide outdoor station (size 1/X, 125 x 19 x 15 mm), the other for double-column wide outdoor station (size 2/X, 230 x 19 x 15 mm).

Article No.	Description	Pack Qty
51021EP-A	End strip, size 1/x, aluminum	1/36
51022EP-A	End strip, size 2/x, aluminum	1/20
51021EP-W	End strip, size 1/x, white	1/36
51022EP-W	End strip, size 2/x, white	1/20



## Flush mounted box, size 1/1

- The anodized aluminum flush box is fitted with knock down holes for cabling from left, right, bottom or back.
- The product is packed with accessories to ensure quality installation.
- Size 1/1, 126 x 124 x 46 mm.

Article No.	Description	Pack Qty
41021F	Flush-mounted box, 1-module, size 1/1	1/19



## Flush mounted box, size 1/2

- The anodized aluminum flush box is fitted with knock down holes for cabling from left, right, bottom or back.
- The product is packed with accessories to ensure quality installation.
- Size 1/2, 199 x 124 x 46 mm.

Article No.	Description	Pack Qty
41022F	Flush-mounted box, 2-module, size 1/2	1/19



## Flush mounted box, size 1/3

- The anodized aluminum flush box is fitted with knock down holes for cabling from left, right, bottom or back.
- The product is packed with accessories to ensure quality installation.
- Size 1/3, 272 x 124 x 46 mm.

Article No.	Description	Pack Qty
41023F	Flush-mounted box, 3-module, size 1/3	1/12



#### Flush mounted box, size 1/4

- The anodized aluminum flush box is fitted with knock down holes for cabling from left, right, bottom or back.
- The product is packed with accessories to ensure quality installation.
- Size 1/4, 345 x 124 x 46 mm.

Article No.	Description	Pack Qty
41024F	Flush-mounted box, 4-module, size 1/4	1/12



#### Flush mounted box, size 1/5

- The anodized aluminum flush box is fitted with knock down holes for cabling from left, right, bottom or back.
- The product is packed with accessories to ensure quality installation.
- Size 1/5, 418 x 124 x 46 mm.

Article No.	Description	Pack Qty
41028F	Flush-mounted box, 5-module, size 1/5	1/6



#### Flush mounted box, size 2/3

- The anodized aluminum flush box is fitted with knock down holes for cabling from left, right, bottom or back.
- The product is packed with accessories to ensure quality installation.
- Size 2/3, 272 x 228 x 47 mm.

Article No.	Description	Pack Qty
41025F	Flush-mounted box, 6-module, size 2/3	1/6



#### Flush mounted box, size 2/4

- The anodized aluminum flush box is fitted with knock down holes for cabling from left, right, bottom or back.
- The product is packed with accessories to ensure quality installation.
- Size 2/4, 345 x 228 x 47 mm.

Article No.	Description	Pack Qty
41026F	Flush-mounted box, 8-module, size 2/4	1/6



#### Flush mounted box, size 2/5

- The anodized aluminum flush box is fitted with knock down holes for cabling from left, right, bottom or back.
- The product is packed with accessories to ensure quality installation.
- Size 2/5, 418 x 228 x 47 mm.

Article No.	Description	Pack Qty
41029F	Flush-mounted box, 10-module, size 2/5	1/6



#### Joining fixture

- It is used when more than one flush mounted box needs to be connected together.
- Product dimensions: 75 x 30 x 30 mm.

Article No.	Description	Pack Qty
51021J	Joining fixture for multi- flush mounted boxes connection	1

# Outdoor stations



## Cavity wall set

- For cavity/hallow wall mounting of the flush-mounted wall boxes.
- Product dimensions: 120 x 80 x 10 mm.

Article No.	Description	Pack Qty
51021CS	Cavity wall set for outdoor station and 4.3" video handsfree	1/18



## Rain hood, size 1/1

- The anodized aluminum rain hood is suitable for both surface mounting (by screwing into the flush box) and flush mounting (supporting tool kit is provided in the package).
- Size 1/1, 128 x 131 x 70 mm.

Article No.	Description	Pack Qty
51021RH	Rain hood, 1-module, size 1/1	1/14



## Rain hood, size 1/2

- The anodized aluminum rain hood is suitable for both surface mounting (by screwing into the flush box) and flush mounting (supporting tool kit is provided in the package).
- Size 1/2, 201 x 131 x 70 mm.

Article No.	Description	Pack Qty
51022RH	Rain hood, 2-module, size 1/2	1/14



## Rain hood, size 1/3

- The anodized aluminum rain hood is suitable for both surface mounting (by screwing into the flush box) and flush mounting (supporting tool kit is provided in the package).
- Size 1/3, 274 x 131 x 70 mm.

Article No.	Description	Pack Qty
51023RH	Rain hood, 3-module, size 1/3	1/8



## Rain hood, size 1/4

- The anodized aluminum rain hood is suitable for both surface mounting (by screwing into the flush box) and flush mounting (supporting tool kit is provided in the package).
- Size 1/4, 347 x 131 x 70 mm.

Article No.	Description	Pack Qty
51024RH	Rain hood, 4-module, size 1/4	1/8



## Rain hood, size 1/5

- The anodized aluminum rain hood is suitable for both surface mounting (by screwing into the flush box) and flush mounting (supporting tool kit is provided in the package).
- Size 1/5, 420 x 131 x 70 mm.

Article No.	Description	Pack Qty
51028RH	Rain hood, 5-module, size 1/5	1/8



## Rain hood, size 2/3

- The anodized aluminum rain hood is suitable for both surface mounting (by screwing into the flush box) and flush mounting (supporting tool kit is provided in the package).
- Size 2/3, 274 x 237 x 70 mm.

Article No.	Description	Pack Qty
51025RH	Rain hood, 6-module, size 2/3	1/4





#### Rain hood, size 2/4

- The anodized aluminum rain hood is suitable for both surface mounting (by screwing into the flush box) and flush mounting (supporting tool kit is provided in the package).
- Size 2/4, 347 x 237 x 70 mm.

Article No.	Description	Pack Qty
51026RH	Rain hood, 8-module, size 2/4	1/4



#### Rain hood, size 3/4

- The anodized aluminum rain hood is suitable for both surface mounting (by screwing into the flush box) and flush mounting (supporting tool kit is provided in the package).
- Size 3/4, 347 x 378 x 70 mm.

Article No.	Description	Pack Qty
51027RH	Rain hood, 12-module, size 3/4	1/2



#### Rain hood, size 2/5

- The anodized aluminum rain hood is suitable for both surface mounting (by screwing into the flush box) and flush mounting (supporting tool kit is provided in the package).
- Size 2/5, 420 x 237 x 70 mm.

Article No.	Description	Pack Qty
51029RH	Rain hood, 10-module, size 2/5	1/4



#### Labelling sheet, A4

- Quality labelling sheet for nameplate.
- Easy to be printed and cut.
- Waterproof.
- Product dimensions: 297 x 210 x 1 mm.

Article No.	Description	Pack Qty
51021L	Labelling sheet for nameplate, A4	10
51022L	Labelling sheet for 1/3 height, A4	10
51023L	Labelling sheet for 1/4 height, A4	10
51024L	Labelling sheet for round pushbutton module, A4	10
51025L	Labelling sheet for mini OS	10



#### ID card

- 125 KHz.
- ISO18000-2.
- Size of fob: 40 x 31 x 5 mm; Size of badge: 86 x 54 x 1 mm.

Article No.	Description	Pack Qty
51021F-L	Proximity key fob, ID card	5
51021B	Proximity badge, ID card	10



#### IC card

- 13.56 MHz.
- ISO14443A.
- Product dimensions: 40 x 31 x 5 mm.

Article No.	Description	Pack Qty
51022F-Y	Proximity key fob, IC card, yellow	5
51022F-R	Proximity key fob, IC card, red	5
51022F-L	Proximity key fob, IC card, blue	5

# Outdoor stations



## Mounting tool

- Spare part for the outdoor station.
- Product dimensions: 164 x 26 x 4 mm.

Article No.	Description	Pack Qty
51021MT	Mounting tool	1/10



## Label holder for round pushbutton module

- Label holder for the round pushbutton module, with stamped labelling
- Contains one support frame and two extension support frames.
- Product dimensions: 92 x 52 x 5 mm.

Article No.	Description	Pack Qty
83161-500	Label holder for round pushbutton	1/18



## Proximity key fob

- Product dimensions: 56 x 32 x 7 mm.

Article No.	Description	Pack Qty
51023F-W	New Proximity key fob, ID card, white	5
51023F-B	New Proximity key fob, ID card, black	5
51024F-W	New Proximity key fob, IC card, white	5
51024F-B	New Proximity key fob, IC card, black	5



## ID/IC sticker

- Product dimensions: 25 x 25x 0.6 mm.

Article No.	Description	Pack Qty
51021S	New ID sticker	5
51022S	New IC sticker	5



## Proximity badge, IC card

- Product dimensions: 86 x 54 x 1 mm.

Article No.	Description	Pack Qty
83173-500	Proximity badge, IC card	10

## Quick composition guide for modular pushbutton outdoor station

(3-row or 4-row pushbutton)

Welcome provides a wide range of outdoor stations with pushbuttons by the combination of the modules, covers and boxes.

For pushbutton outdoor stations, it multiplies the application by setting as one column or double column for the same pushbutton module. The setting is made by the audio modules. We refer to the pushbutton status as "single row" or "double row." 3-row and 4-row pushbutton are optional for application.

To compose a pushbutton outdoor station, audio module (with no pushbutton, with 1-row or 2-row pushbutton), pushbutton module (3-row or 4-row pushbutton), cover frame and flush mounted boxes are compulsory. If surface mounting is required, a rain hood is needed.

There is a quick composition table for pushbutton outdoor station on pages 10-11. Please follow the guide below and refer to the table to choose the items needed for the desired pushbutton outdoor station.

### Step 1:

#### Audio or video?

Please refer to page 10 for audio pushbutton outdoor station and page 11 for video pushbutton outdoor station.

### Step 2:

#### 3-row or 4-row pushbutton?

Please refer to the 3-row or 4-row pushbutton table for different pushbutton applications.

\* It is technically possible but not aesthetically pleasing to combine audio module with pushbutton and 3-row pushbutton module. For better appearance as an outdoor station, the composition of pushbuttons follows the rule that every pushbutton should have the same height. Thus, if 3-row pushbutton module is used, audio module with pushbutton and 4-row pushbutton module are not recommended.

### Step 3:

#### How many calls are needed?

Please decide whether single row or double row pushbutton is needed, then please turn to the button ranges to quickly locate the possible composition.

\* In case the light and call guard functions are required for the outdoor station, then the total buttons should be the combination of the apartment no. and button number for the extra functions.

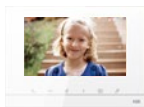
\*\* If it's not certain whether single or double pushbuttons for one row is optimal, it is possible to turn to the pushbutton range to see all the possibilities.

### Step 4:

#### Choose the right composition by balancing cost and aesthetics

\* There may be more than one possibility of combining outdoor stations by choosing 3-row module or 4-row pushbutton module, choosing a nameplate module or not and setting as single row or double row for the same pushbutton module. It is advisable to consider both cost and aesthetics when making this decision.

# Indoor stations



Available in April, 2017

## 7" video hands-free indoor station

- Both push button version and all touch version are available.
- Large 17.8 cm (7") color display with intuitive touch control.
- 6 buttons for communication, unlocking, mute, programmable button (can be set as intercom, call guard unit, etc.), surveillance and setting.
- During resident's absence, voice message of the resident will be played automatically in case of door calls, and three photos of the visitor will be automatically stored.
- The number of pictures that can be stored is decided by the capacity of the SD card (not provided).
- Call transfer among different apartments and guard unit is available.
- Doctor function for automatic unlock.
- 5 ringtones for different call sources, i.e. from default outdoor station, secondary outdoor station, door bell, intercom or guard unit.
- Send SOS alarm to guard unit in emergency.
- Surface mounting and desktop mounting (desktop bracket 42311D is needed).
- The detailed user manual can be downloaded through scanning the QR code on the screen.
- Product dimensions: 155 x 218 x 29 mm.

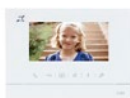
Article No.	Description	Pack Qty
M22331-W	7" hands-free video indoor station, touch version, white	1/16
M22331-B	7" hands-free video indoor station, touch version, black	1/16
83220 AP-624-500-01	7" video hands-free indoor station, pushbutton, white	1/16
83220 AP-681-500-01	7" video hands-free indoor station, pushbutton, black	1/16
83220 AP-683-500-01	7" video hands-free indoor station, pushbutton, silver	1/16



## 4.3" video hands-free indoor station

- 4.3" color display with on screen display.
- 6 touch film buttons for communication unlocking, mute, programmable button (can be set as intercom, call guard unit, etc.), surveillance and setting.
- 2 photos of the visitor will be automatically stored in the picture memory for door calls during resident's absence.
- Holds up-to 50 photos
- Call transfer among different apartments and guard unit is available.
- Doctor function for automatic unlock.
- 5 ringtones for different call sources, i.e. from default outdoor station, secondary outdoor station, doorbell, intercom or guard unit.
- Broadcast by simply holding and pressing the communication button.
- Surface mounting, flush mounting (flush-mounted box 42311F is needed) and desktop mounting (desktop bracket 42311D is needed), and cavity wall set (51021CS needed)
- The detailed user manual can be downloaded through scanning the QR code on the screen.
- Product dimensions: 137 x 155 x 24 mm.

Article No.	Description	Pack Qty
M22311-W	4.3" video hands-free indoor station, white	1/28
M22311-B	4.3" video hands-free indoor station, black	1/28



#### 4.3" video hands-free indoor station with induction loop

- Electromagnetic signals will be emitted by a special inductive loop for auditory indication of any incoming calls. Functionable for users with hearing aids.
- 4.3" color display with on screen display.
- 6 touch film buttons for communication, unlocking, mute, programmable button (can be set as intercom, call guard unit, etc.), surveillance and setting.
- 2 photos of the visitor will be automatically stored in memory for door calls during resident's absence.
- Holds up to 50 photos.
- Call transfer among different apartments and guard unit is available.
- Doctor function for automatic unlock.
- 5 ringtones for different call sources, i.e. from default outdoor station, secondary outdoor station, door bell, intercom or guard unit.
- Broadcast by simply pressing and holding the communication button.
- Surface mounting, flush mounting (flush mounted box 42311F is needed), desktop mounting (desktop bracket 42311D is needed) and cavity wall set (51021CS needed).
- The detailed user manual can be downloaded through scanning the QR code on the screen.
- Product dimensions: 137 x 155 x 24 mm.

Article No.	Description	Pack Qty
M22313-W	4.3" hands-free video indoor station, induction loop, white	1/28



#### 4.3" video handset indoor station, color display

- Slim indoor station with handset.
- 4.3" color display with on screen display.
- 6 touch film buttons for communication, unlocking, mute, programmable button (can be set as intercom, call guard unit, etc.), surveillance and setting.
- 2 photos of the visitor will be automatically stored in memory for door calls during resident's absence.
- Holds up to 25 photos.
- Call transfer among different apartments and guard unit is available.
- Doctor function for automatic unlock.
- 5 ringtones for different call sources, i.e. from default outdoor station, secondary outdoor station, door bell, intercom or guard unit.
- Surface mounting and desktop mounting (desktop bracket 42311D is needed).
- The detailed user manual can be downloaded through scanning the QR code on the screen.
- Product dimensions: 144 x 198 x 45 mm.

Article No.	Description	Pack Qty
M22302-W	4.3" handset color video indoor station, white	1/15



# Indoor stations



## 4.3" video handset indoor station, color display with induction loop

- Electromagnetic signals will be emitted by a special inductive loop for auditory indication of any incoming calls. Function for users with hearing aids.
- Slim indoor station with handset.
- 4.3" color display with on screen display.
- 6 touch film buttons for communication, unlocking, mute, programmable button (can be set as intercom, call guard unit, etc.), surveillance and setting.
- 2 photos of the visitor will be automatically stored in the memory for door calls during resident's absence.
- Holds up to 25 photos.
- Call transfer among different apartments and guard unit is available.
- Doctor function for automatic unlock.
- 5 ringtones for different call sources, i.e. from default outdoor station, secondary outdoor station, door bell, intercom or guard unit.
- Surface mounting and desktop mounting (desktop bracket 42311D is needed).
- The detailed user manual can be downloaded through scanning the QR code on the screen.
- Product dimensions: 144 x 198 x 45 mm.

Article No.	Description	Pack Qty
M22303-W	4.3" handset color video indoor station with induction loop, white	1/15



## Basic 4.3" video hands-free indoor station

- 4.3" color display with on screen display.
- 6 touch film buttons for communication unlocking, mute, programmable button (can be set as intercom, call guard unit, etc.), surveillance and setting.
- Doctor function for automatic unlock.
- 5 ringtones for different call sources, i.e. from default outdoor station, secondary outdoor station, doorbell, intercom or guard unit. The ringtone can be fixed or cycled
- The detailed user manual can be downloaded through scanning the QR code on the screen.
- Surface mounting and desktop mounting (desktop bracket 42311D is needed).
- Product dimensions: 154 x 134 x 23 mm.

Article No.	Description	Pack Qty
M22341-W	Basic 4.3" video hands-free indoor station, white	1/24



## Basic 4.3" video hands-free indoor station, with induction loop

- Electromagnetic signals will be emitted by a special inductive loop for auditory indication of any incoming calls. Functionable for users with hearing aids.
- 4.3" color display with on screen display.
- 6 touch film buttons for communication, unlocking, mute, programmable button (can be set as intercom, call guard unit, etc.), surveillance and setting.
- 2 photos of the visitor will be automatically stored in memory for door calls during resident's absence.
- Holds up to 50 photos.
- Doctor function for automatic unlock.
- 5 ringtones for different call sources, i.e. from default outdoor station, secondary outdoor station, doorbell, intercom or guard unit. The ringtone can be fixed or cycled
- The detailed user manual can be downloaded through scanning the QR code on the screen.
- Surface mounting and desktop mounting (desktop bracket 42311D is needed).
- Product dimensions: 154 x 134 x 23 mm.

Article No.	Description	Pack Qty
M22343-W	Basic 4.3" video hands-free indoor station, with induction loop, white	1/24



#### Audio handset indoor station, 3 buttons

- 1 easy pushbutton for unlock, and 2 additional buttons for self-setting functions, e.g. intercom, door status check, second lock release or even calling the security guard, etc.
- Max-mid-mute volume adjuster on the side.
- 2 LEDs to indicate different working status.
- 5 ringtones for different call sources, i.e. from default outdoor station, secondary outdoor station, doorbell, intercom or guard unit.
- The activating or deactivating of automatic unlock can be made by simply pressing the unlock button for 10 seconds.
- Surface mounted.
- Product dimensions: 198 x 81 x 43 mm.

Article No.	Description	Pack Qty
M22002-W	Audio handset indoor station, 3 buttons, white	1/25



#### Audio handset indoor station, 3 buttons with induction loop

- 1 easy pushbutton for unlock, and 2 additional buttons for self-setting functions, e.g. intercom door status check, second lock release or even calling the security guard, etc.
- Max-mid-mute volume adjuster on the side.
- 2 LEDs to indicate different working status.
- 5 ringtones for different call sources, i.e. from default outdoor station, secondary outdoor station, doorbell, intercom or guard unit.
- The activating or deactivating of automatic unlock can be made by simply pressing the unlock button for 10 seconds.
- Electromagnetic signals will be emitted by a special inductive loop to provide hearing assistance to hearing aid users.
- Product dimensions: 198 x 81 x 43 mm.

Article No.	Description	Pack Qty
M22003-W	Audio handset indoor station, 3 buttons with induction loop, white	1/25



#### Audio handset indoor station, 6 buttons

- 1 easy pushbutton for unlock, and 2 additional buttons for self-setting functions, e.g. intercom door status check, second lock release or even calling the security guard, etc.
- Max-mid-mute volume adjuster on the side.
- 2 LEDs to indicate different working status.
- 5 ringtones for different call sources, i.e. from default outdoor station, secondary outdoor station, doorbell, intercom or guard unit.
- The activating or deactivating of automatic unlock can be made by simply pressing the unlock button for 10 seconds.
- Electromagnetic signals will be emitted by a special inductive loop to provide hearing assistance to hearing aid users.
- Product dimensions: 198 x 81 x 43 mm.

Article No.	Description	Pack Qty
M22001-W	Audio handset indoor station, 6 buttons, white	1/25



#### Audio hands-free indoor station, 4 buttons

- Light button can be programmed as room-to-room intercom, call guard unit function.
- 5 ringtones for different call sources, i.e. from outdoor station, doorbell, intercom or guard unit.
- The ringtone can be fixed or cycled
- Surface-mounted installation
- Dimensions: 175 x 81 x 22 mm.

Article No.	Description	Pack Qty
83210 AP-624-500	Audio handsfree, white	1/26
83210 AP-681-500	Audio handsfree, black	1/26
83210 AP-683-500	Audio handsfree, silver	1/26

# Indoor stations

## Accessories



### Handset with induction loop

- Suitable for audio handset indoor station with induction loop and 4.3" video handset indoor station with induction loop.
- Product dimensions: 144 x 53 x 23 mm.

Article No.	Description	Pack Qty
52303HS-W	Handset with induction loop (spare part)	1/9



### Jumper

- Jumper set for audio/video handset indoor stations is used to set the address, master / slave indoor station and RC on/off of indoor stations.
- Product dimensions: 5 x 5 x 2 mm.

Article No.	Description	Pack Qty
52001J	Jumper set for audio handset indoor station	10
52301J	Jumper set for 4.3" video handset indoor station	10



### Cavity wall set

- For cavity wall mounting of the flush-mounted wall boxes.
- Product dimensions: 120 x 80 x 10 mm.

Article No.	Description	Pack Qty
51021CS	Cavity wall set for outdoor station and 4.3" video handsfree	1/18



#### Changeable front cover for 4.3" video hands-free indoor station

- 5 face covers in different colors are available, which are easily changeable for 4.3" video hands-free indoor station to meet personal aesthetic preference.
- Product dimensions: 135 x 154 x 7 mm.

Article No.	Description	Pack Qty
52311FC-W	Front cover for 4.3" video hands-free, white	1/36
52311FC-S	Front cover for 4.3" video hands-free, silver	1/36
52311FC-B	Front cover for 4.3" video hands-free, black	1/36
52311FC-G	Front cover for 4.3" video hands-free, golden	1/36
52311FC-L	Front cover for 4.3" video hands-free, light blue	1/36



#### Changeable front cover for 4.3" video hands-free indoor station with induction loop

- 5 face covers in different colors are available, which are easily changeable for 4.3" video hands-free indoor station with induction loop to meet personal aesthetic preference.
- Product dimensions: 135 x 154 x 7 mm.

Article No.	Description	Pack Qty
52313FC-W	Front cover for 4.3" video hands-free with induction loop, white	1/36
52313FC-S	Front cover for 4.3" video hands-free with induction loop, silver	1/36
52313FC-B	Front cover for 4.3" video hands-free with induction loop, black	1/36
52313FC-G	Front cover for 4.3" video hands-free with induction loop, golden	1/36
52313FC-L	Front cover for 4.3" video hands-free with induction loop, light blue	1/36



#### Flush-mounted box for 4.3" video hands-free indoor station

- Metal box for flush mounted 4.3" video hands-free indoor stations.
- Product dimensions: 145 x 125 x 27 mm.

Article No.	Description	Pack Qty
42311F	Metal flush mounted box	1/60



#### Desktop bracket

- Full metal design with brushed finish base, suitable for 7" all touch, 4.3" hands-free video indoor station, 4.3" handset video indoor station and guard unit.
- Product dimensions: 125 x 107 x 134 mm.

Article No.	Description	Pack Qty
42311D	Metal desktop bracket	1/12

# System devices

## System controller



- As the "brain" of the individual system, it manages the communication between the outdoor station and the indoor station.
- Two working modes : "all on" and "one on".
- If in "all on" mode, and the apartment contains more than 1 video indoor station, all the screens in the apartment will be on while only one is on if in "one on" mode.
- It can also serve as auxiliary BUS power supply when connected to gateway in certain mode.
- 1 LED for normal working condition indication.
- Overheat, short-circuit and lightening protection.
- Product dimensions: 90 x 144 x 65 mm.

Article No.	Description	Pack Qty
M2300	System controller, 1.2A output, MDRC 8U	1/10

## Mini system controller



- As the "brain" of the individual system, it manages the communications between the outdoor station and the indoor station.
- Two working modes: "all on" and "one on".
- If in "all on" mode, and the apartment contains more than 1 video indoor station, all the screens in the apartment will be on while only one is on if in "one on" mode.
- It can also serve as auxiliary BUS power supply when connected to gateway in certain mode.
- 1 LED for normal working condition indication.
- Overheat, short-circuit and lightening protection.
- Product dimensions: 90 x 72 x 65 mm.

Article No.	Description	Pack Qty
M2301	Mini system controller, 0.65A output, MDRC 4U	1/10

## Gateway



- It offers 5 different modes which can be set by dip switch: apartment gateway, floor gateway, building gateway, auxiliary BUS power supply interface and line amplifier.
- Product dimensions: 90 x 72 x 65 mm.

Article No.	Description	Pack Qty
M2302	Gateway, MDRC 4U	1/10

## Video outdoor distributor



- Used for buildings with more than 1 outdoor station.
- 2-way inputs are connected to different outdoor stations.
- Product dimensions: 90 x 36 x 65 mm.

Article No.	Description	Pack Qty
83325/2-500	Video outdoor distributor, MDRC 2U	1/20



#### Guard unit

- 4.3" touch screen and 6 touch film buttons can ensure the communication with calls from outdoor station, indoor station or other guard unit (if any).
- It can be manually or automatically set into intercept mode to increase security level for all users or only certain individuals.
- Surveillance can be done through the camera of outdoor stations or integrated analog camera.
- Missed calls and alarm messages stored in the memory can be reviewed.
- It can be surface mounted on the wall or desktop mounted (desktop bracket 42311D is needed).
- Product dimensions: 144 x 198 x 45 mm.

Article No.	Description	Pack Qty
M2303	Guard Unit	1/15



#### Video distributor

- This compact device supports 4-way outputs connected to different apartments or different high-rise buildings.
- Flush-mounted into box or surface mounted through the hole in the middle, or DIN rail mounted via DIN adaptor (Article no. 53001DR)
- Product dimensions: 45 x 45 x 26 mm.

Article No.	Description	Pack Qty
M2304	Video distributor, FM	1/18



#### Switch actuator

- This compact device has 3 working modes: extend door bell, door opener and time relay.
- Local pushbutton can be connected as control input.
- The switching duration of unlock or switching on lightings is adjustable.
- Flush-mounted or DIN rail mounted via DIN adaptor (Article no. 53001DR)
- Product dimensions: 51 x 51 x 29 mm.

Article No.	Description	Pack Qty
M2305	Switch actuator, FM	1/18



#### BNC connector

- Used to connect the external camera to the camera interface or outdoor station's camera module.
- The connector accepts a BNC plug connection directly.
- Product dimensions: 42 x 15 x 14 mm.

Article No.	Description	Pack Qty
55001BC	BNC connector	10



#### Camera interface

- Supports up to 4 analog cameras for one device.
- Supports camera connection to the existing video/audio outdoor station.
- Supports transfer of image from guard unit to the indoor station.
- Supports the camera for viewing the area of the floor (for example with the connection from indoor station to this interface, where it connects to the analog camera).
- Supports input and output of video signal of outdoor station to 3rd party VDR during the call, which can be viewed from the video indoor station).
- Supports installation in DIN, surface mounted.
- Product dimensions: 77 x 61 x 25 mm.

Article No.	Description	Pack Qty
83327-500	4-way analog camera interface	1/18



# System devices



## DIN rail adaptor

- One DIN rail adaptor fit for all the flush mounted devices: video distributor, switch actuator, and camera interface
- Adjustable and consistent looking cover can be taken out if needed.
- Product dimensions: 90 x 72 x 65 mm.

Article No.	Description	Pack Qty
53001DR	DIN rail adaptor, MDRC 4U	1/10



Download available in Q1, 2017

## IP Gateway & ABB-Welcome APP

- The installation of the ABB-Welcome APP enables to use smartphones and tablets (iOS and Android) as virtual video indoor station.
- Both WIFI and remote access under 3G/4G through internet service provider.
- IP Gateway acts as a PC interface to program the telephone gateway more efficiently.

### New features:

- Enables the integration with ABB Comfort touch as indoor station.
- Supports to monitor multi-cameras connected with camera interface
- Supports intercom calls, including home to home & room to room call by ABB-Welcome APP
- Supports to communicate with guard unit by ABB-Welcome APP
- Supports to control relay actuator, and one actuator can be activated during the call if necessary by ABB-Welcome APP
- Supports to control two locks during the call by ABB-Welcome APP
- Supports to make a SOS call if there is emergency by ABB-Welcome APP
- Notification function of APP is always available: while APP is open in the foreground, background or even closed totally.
- Product dimensions: 90 x 180 x 65 mm.

Article No.	Description	Pack Qty
83342-500	IP Gateway, MDRC 10U	1/24



## Telephone Gateway

- PSTN Telephone integrated as audio indoor station.
- Unlock the door, switch the light, communication can be done through telephone.
- Any mobile device can be set as extended indoor station.
- Efficient programming through PC by IP Gateway.
- Product dimensions: 90 x 72 x 65 mm.

Article No.	Description	Pack Qty
83350-500	Telephone Gateway, MDRC 4U	1/10



## Lift control module

- Enhance security to allow authorized visitor/resident to ONLY go to the designated floor while unauthorized visitor can not activate any floor button in the lift.
- Efficient programming through PC by dedicated commissioning software.
- Each module supports up to 16 floors total. Up to 16 modules can be cascaded.
- Size of relay mode: 216 x 110 x 45 mm; size of M adaptor: 90 x 72 x 65 mm.

Article No.	Description	Pack Qty
M2307	Lift control relay module	1/30
M2306	M adaptor, MDRC 4U	1/10



Available in December, 2016

### 2-wire adaptor

- supports to connect PC with management software into 2-wire DES system
- PC management software supports centralized management of user card no. /user names/ logic addresses, registration/deletion/change.
- Supports the building system without floor system
- PC management software records system logs, e.g unlock log, SOS log.
- PC management software supports to configure lift control modules.
- 2-wire adaptor dimensions: 90 x 180 x 65 mm

Article No.	Description	Pack Qty
M2308	2-wire adaptor, MDRC 10U	1/24



Available in December, 2016

### External camera

- Analogue camera solutions for the camera interface from the ABB-Welcome range
- Three types are optional for different application, normal camera/dome camera/mini dome camera
- Image Sensor: 1/3" 1.3MP SONY Exmor CMOS.
- Effective Pixels: 1305(H)×1049(V).
- Resolution: 700TVL
- Horizontal detection angle: 30 ° - 90° (manually adjustable for video camera & dome camera); 75°(fixed for mini dome camera)
- S/N Ratio: ≥50 dB
- Min. illumination (Day): 0.01 Lux @ F2.0
- Min. illumination (Night): 0 Lux @ F2.0
- Video signal: 1 x CVBS, 1Vpp, 75 Ohm (Cinch)
- White Balance: AWB, 1800K – 10800K
- Lens: 2.8-12 mm (manually adjustable for video camera & dome camera); 3.6mm(fixed for mini dome camera)
- IR Range: 50m(video camera), 40m(dome camera), 30m(mini dome camera)
- Input Voltage: DC 12 V +/- 10 %
- Dustproof and waterproof as IP66
- Product dimensions:
  - Video camera: 286 x 86 x 77 mm
  - Dome camera: 130 x 119 x 104 mm
  - Mini dome camera: 105 x 94 x 83 mm

Article No.	Description	Pack Qty
83550/1-500-01	Video camera	1/4
83550/2-500-01	Dome camera	1/12
83550/3-500-01	Mini dome camera	1/12

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Approvals and Compliances

