

DOOR ENTRY SYSTEM

Infinite possibilities

ABB-Welcome IP



The global trend to urbanization and a rising demand for functional living spaces requires new concepts of architecture and building technology alike. We contribute to shape the future and to create a modern ambience worth living in. With innovative solutions and smart systems for everything enhancing security and communication, and increasing comfort while saving energy. For a world that is consisting of large distance complexes and integrated high risers. Why? Because it forms the basis of a comfortable life. As a result, we are constantly improving every little detail, looking for the most user-friendly solution and bringing people and technology together. That's what our company is all about - we do everything to give you the freedom of choice. Day in, day out.



Comfort

ABB-Welcome IP utilizes the entire potential of flexibility, safety, comfort and efficiency. With innovative solutions that take all details into consideration, and fully meet the wishes of buyers, lessees and operators. For an easygoing life in a secure living space.



Simplicity

The fast and easy installation is realized by modern IP technology. It also allows the boundless implementation of additional devices or even building systems such as the KNX technology or other ABB Smart Home systems.

More safety

The system integrates all relevant safety features with detectors for burglary, fire and smoke, technical alarms, panic and emergency-call functions. The people in the building are well protected, both with a sensitive and intelligent control system.

Greater flexibility

ABB-Welcome IP is suitable to projects of every size – from private homes to apartment buildings to high risers. The innovative system can easily be extended almost limitlessly at all times, with new solutions and beyond spatial limits alike.

Content







Outdoor world

The first meeting.	80
Comfortable with style	
Access control	10

Indoor world

Comfortable communication	14
Variety of media functions	16
Stay in contact	18

Property management

On duty around the clock	22
Implementation of	24
security applications	





The system

Products

The System	28

ABB-Welcome IP product overview	30
Outdoor stations	32
Indoor stations	35
System devices	36

Outdoor World





The outdoor world. A protected home and its environment are an essential part of feeling good and being happy. For this reason, ABB-Welcome IP is equipped with innovative functionality, that embraces optical features. Elegant design couples with innovative technology that guarantees more security and comfort.

The first meeting. Comfortable with style.







ABB-Welcome IP outdoor station

- » Robust and elegant
- » Easy to install

- 01 ABB-Welcome IP outdoor station, keypad, stainless steel
- 02 ABB-Welcome IP outdoor station with transponder, stainless steel
- 03 ABB-Welcome IP mini outdoor station, 1gang, aluminium

01 02

Skin

Good design combines an attractive appearance with high functionality. The intelligent brightness sensor switches automatically between day and night mode. The foyer therefore always appears in the best possible light. Visitors can easily see the uniformly illuminated bell plate from afar. Residents can also see each visitor on video. Integrated LEDs activated with the door bell guarantee a sharp camera image even in complete darkness.



Access control.

Trust is good, control is better. No one should be able to gain access to a building without authorisation. For the protection of residents and their belongings. The access control function of ABB-Welcome IP provides safety and security at all times. With innovative solutions that meet the highest requirements and can be easily integrated into an outdoor station that is protected against sabotage.







ABB-Welcome IP access control

- 01 Integrated card reader
 - Opening of the door by NFC cellphones, IC/NFC cards or ID cards.

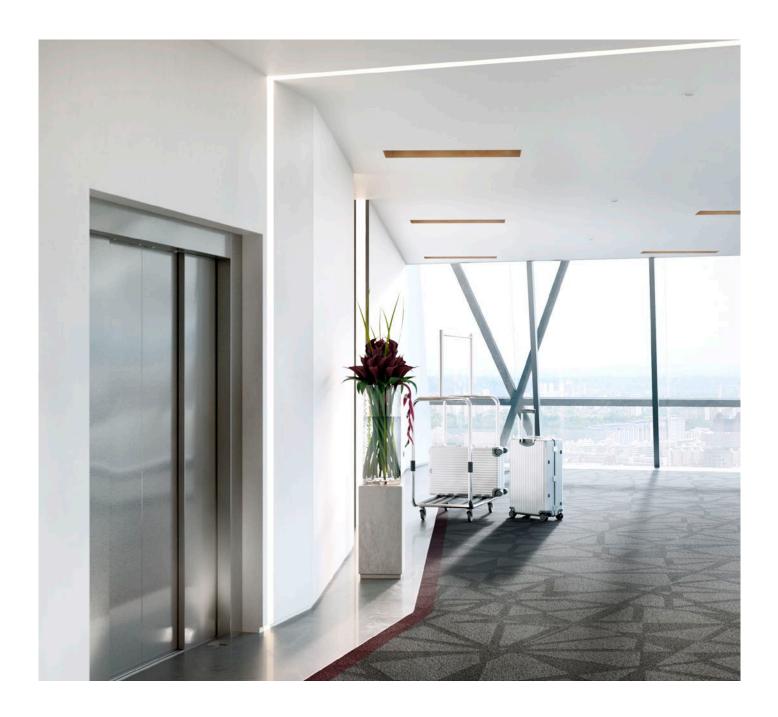
02 Integrated keypad

- The keypad can be integrated into the outdoor station.
- Passwords can be entered to access the door and/or the house.
- 03 Autonomous card reader

- The card reader can be used with IC/ID cards.
- Helpful for the protection of public areas, including fitness rooms and similar facilities.

04 Elevator control

- The elevator control limits visitors, neighbours to the floors on which the owner lives.
- The ABB-Welcome IP elevator control function with floating contacts serves as a connection to the lift control system.
- API protocol for the integration of the elevator control system



Elevator call

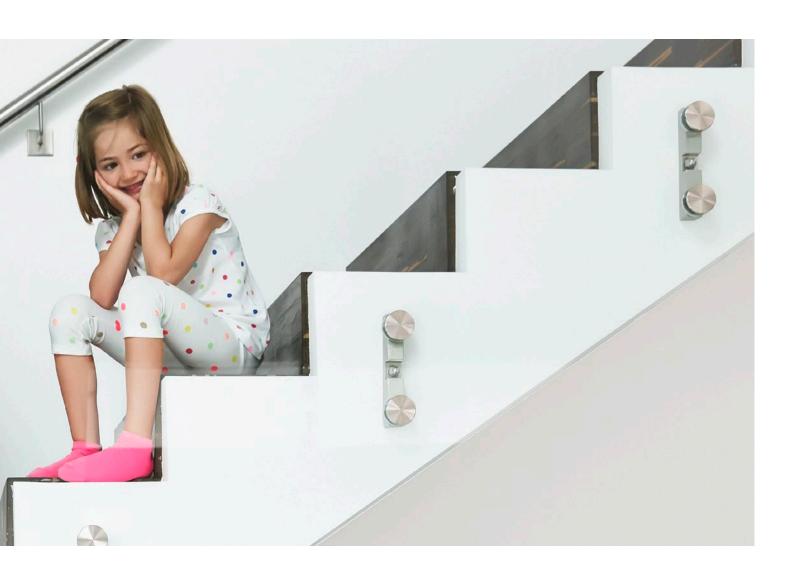
With its innovative functions, IP Elevator Control is easy to use and time-saving. Simply call the elevator from the Welcome IP indoor station before leaving your home. With security, as IP Elevator Control also serves as access control for visitors. After the door opens upon the press of the button, visitors are namely picked up automatically by the elevator and brought directly to the right flat. Unauthorized access to other floors is thus prevented. Using the intercom function of the ABB-Welcome IP indoor station, business partners can be invited up with ease. The elevator brings the guest automatically from the floor he or she is on to the right one. Reliable and convenient.

Doormatic

Free entrance immediately after ringing the bell. Immediate, without a long wait. Easy to implement with the Doormatic function. It permits automatic door opening immediately after the door bell button is pressed. A practical solution for a building with doctors' practices or offices.

Indoor world





The indoor world. Comfort, security, and aesthetics. Create a safe and warm home with a system that can be adapted to the interiors – with ease. ABB-Welcome IP makes every home a comfortable and safe place.

Comfortable communication.

The ABB-Welcome IP indoor station is designed with a beautiful modern style, and an elegant look. Six quick access buttons, a self-evident interface and its high-resolution touch screen enable an intuitive and easy operation. Ground-breaking functions realize an innovative and more secure door communication. Every day, at any time.





Screen in screen

Never miss a visitor. The new function makes it possible to receive calls from two different inputs at once. The second incoming call is displayed in a "screen-in-screen" mode on the indoor station so that the resident can answer, reject or unlock for the second call directly. A third incoming call is displayed on the indoor station as "missed". The innovative multi-channel technology can be used by all residents of the house at one time.

Intercom

ABB-Welcome IP enables commnunication between apartments, but also from house to house in large building complexes – for instance, for event planning, arranging meetings or just chatting with neighbours. A single household can also communicate between different rooms, for example, to call a maid for help or children to dinner.



ABB-Welcome IP indoor station

- » Wide 7-inch color display with intuitive push buttons
- » Call waiting with screen in screen function
- » Audio message to family and visitors
- » Text message to property management
- » Intercom room to room/ apartment to apartment
- » Navigation of KNX home automation
- » Mute function
- » IP Camera surveillance



Communication

For accepting and terminating calls.



Door opener

Opens the electric door lock.



Mute function

Switches off the microphone of the indoor station during a conversation, thus preventing people from eavesdropping on visitors at the building door. It can also be used to switch off the bell.



Messages

For creating and sending text or view messages.



Call guard unit

For direct contact with the concierge or property management.



Settings

For the individual configuration of the device.

Variety of media functions.

Each ABB-Welcome IP indoor station can be personalised individually by every user. Easy and uncompromising, according to one's own taste. At the same time, the indoor station can provide information to residents to simplify its use.



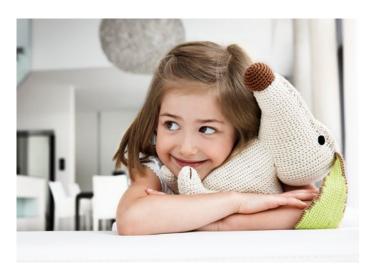


Digital picture frame

The innovative indoor station is more than just a control panel. The high-resolution colour display can be used as a digital picture frame when the indoor station is not in use. The photos can be transferred easily using a conventional SD card. There is hardly a more lovely way to share memories.

Integrated video player

The ABB-Welcome IP indoor station also offers an elegant cover frame for videos - thanks to the integrated player. A function that is both convenient and useful. In this way, you can easily demonstrate to users how the indoor station works and which options it offers. The residents can naturally play their favourite videos by SD card.





Screensaver

When the display of the indoor station is not in use, the screensaver turns on automatically. ABB-Welcome IP lets you personalise this screensaver with an individual logo, image or digital clock. The data can be easily transferred to the indoor station by SD card. As a photo as preferred.

Personalised door bell tone

ABB-Welcome IP lets users implement an own door bell tone. For maximum individuality. Personalise the indoor station for your residents. Or let users decide on their own door bell tone. Thoroughly uncomplicated: sound files are easily imported from an SD card. Particularly practical: each incoming source can be assigned a unique door bell tone. To differentiate door calls from different callers, three different door bell tones can be defined for each indoor station. Clear and unique.

Stay in contact.

On the go, but still at home. Wherever you are. With the IP gateway and ABB-Welcome app, the smartphone and tablet are turned into a mobile indoor video station for the door communication system. This makes it possible to welcome the visitor at the door not only from the sofa or the garden, but also from the office or hotel room. And open the door by remote control. That's really smart communication.

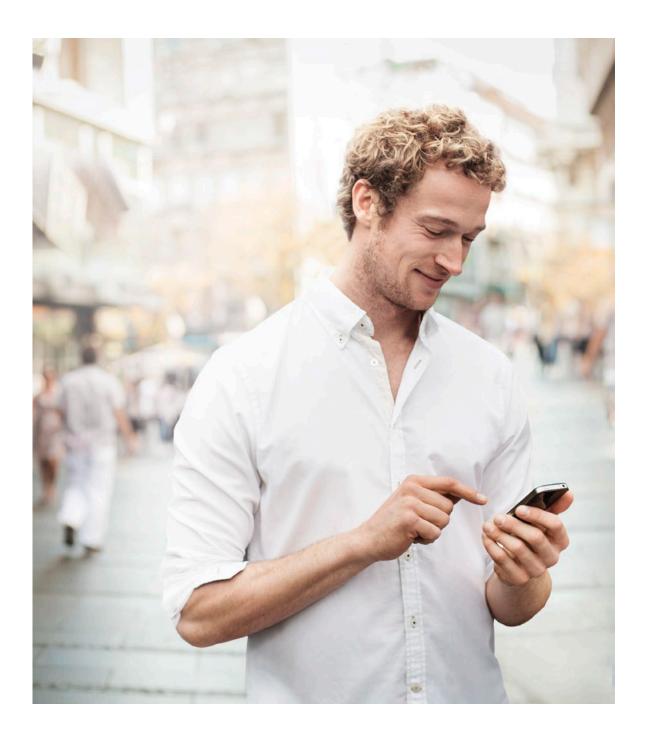


ABB-Welcome IP gateway

The IP gateway acts as an interface between the ABB-Welcome IP door communication system and the Internet. It enables the connection to mobile terminal devices, which can assume certain functions of an indoor station, including answering door calls or opening the door.

Easy to commission

The Internet connection of the IP gateway is implemented using the router of the home network. Special router settings are not required. Configuration is easy with the browser-based user interface of the password-protected IP gateway where the user rights for the ABB-Welcome app can also be allocated. After log-in, only a QR code has to be scanned to pair the IP gateway and mobile terminal device. This ensures a maximum degree of safety.



- » The ABB-Welcome IP app can be downloaded from the App Store/Google Play Store.
- » Suitable for iOS and Android.
- » It enables the use of a smartphone or tablet for the door communication system through the Wi-Fi network or mobile Internet 3G/4G (or higher).





Property management





The property management. An important partner for you. With certainty. A concierge saves house residents trouble and effort. This generates the positive feeling of safety around the clock. ABB-Welcome IP supports him – with innovative solutions. So that all housing residents have a relaxed life and peaceful sleep.

On duty around the clock.

The security personnel is available around the clock. ABB-Welcome IP system can be expanded with property management software and equipped with guard units at the entryway. This makes maximum security possible for all residents.



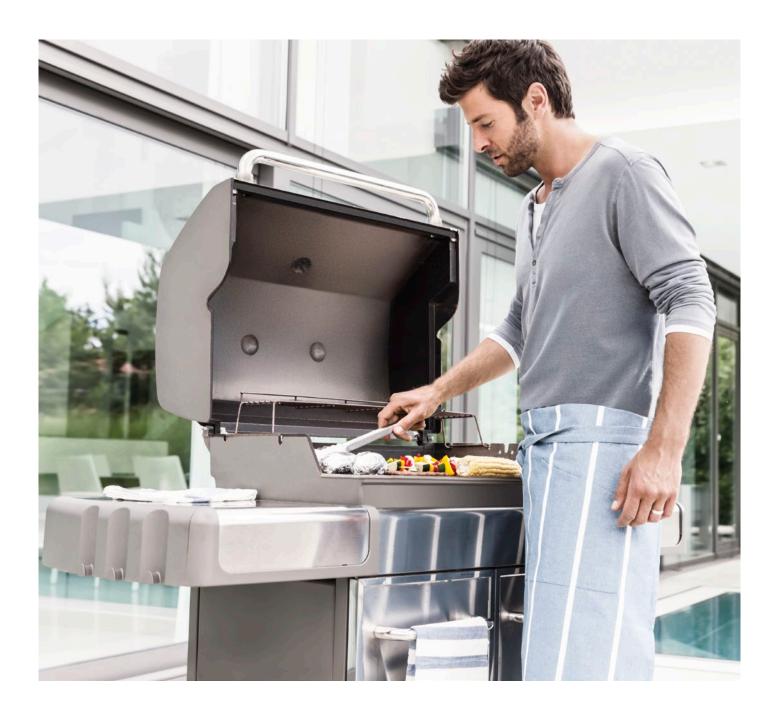
ABB-Welcome IP guard station for concierges

- » High resolution 17.8 cm (7") colour display
- » 6 mechanical shortcut keys
- » Handset / hands-free communication
- » Surveillance of outdoor station and community IP camera
- » Call forward to residents
- » Unlocking of all doors in emergency situations
- » Receiving of alarm messages
- » White colour

Property management software:

- » Door communication and opening
- » Receiving and forwarding of calls with resident
- » Camera monitoring with open IP camera and outdoor station
- » SOS
- » Alarm input and coordination
- » Card management
- » Intelligent community management
- » Message with resident
- » History and log
- » System configuration and diagnostics





Intelligent community

Through intelligent community, various information can be exchanged between the indoor station and the property management. This includes announcements, inquiries, weather reports or advertising.

Message function

The message function offers the greatest possible freedom to communicate with property management. For example, for reservation requests to the concierge – simply as a text message from the indoor station. This communication, however, is no one-way street. The concierge can send a booking confirmation to the indoor station of the requester, for instance. And the property management can send all residents information on their indoor stations or new service offerings and even advertising in a visually attractive manner. Targeted and reliable.

Implementation of security applications.





Public/private IP camera integration

The ABB-Welcome IP communication system simplifies the integration of additional IP cameras with the ONVIF protocol. Public IP cameras guarantee permanent monitoring, e.g., of the parking garage or of children playing in the front garden. These video images are available to all residents. Monitoring data from private IP cameras is displayed only to the indoor stations of their owners.

Burglar alarm

ABB-Welcome IP enables the uncomplicated integration of burglar alarms and alarm systems. The sensors installed into windows and doors are directly connected to the indoor station. As soon as burglars enter the house or flat, a signal is sent to the indoor station. The indoor station automatically alarms the guard unit or property management.





Panic alarm/SOS

In case of emergencies or unplanned incidents inside the flat, an SOS button is available on the indoor station. This button immediately sends an alarm to the concierge and property management.

Smoke detector/fire alarm

In case of a fire, smoke detectors or a fire alarm system can save the life of residents. The highly sensitive measuring sensors react lightning – fast – loud and unmistakable – to any kind of smoke build-up. At the same time, an alarm is sent to the indoor station and guard unit or property management.

The system

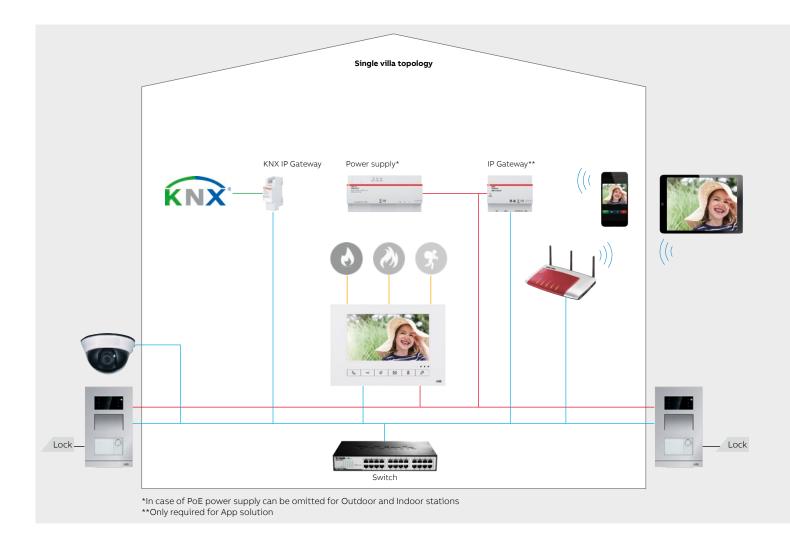




The system. Every building has its own character. ABB-Welcome IP allows high complexity, making implementation and use child's play, regardless of what kind of building complex is planned.

The system

ABB-Welcome IP is an innovative door communication system suitable for all building types. The individual devices are integrated with a LAN cable. The PoE connection makes further wiring superfluous and simplifies the serial connection of door communication devices. The clear advantage of the IP-based networking lies in the endless expandability of the system and simple implementation of all components.

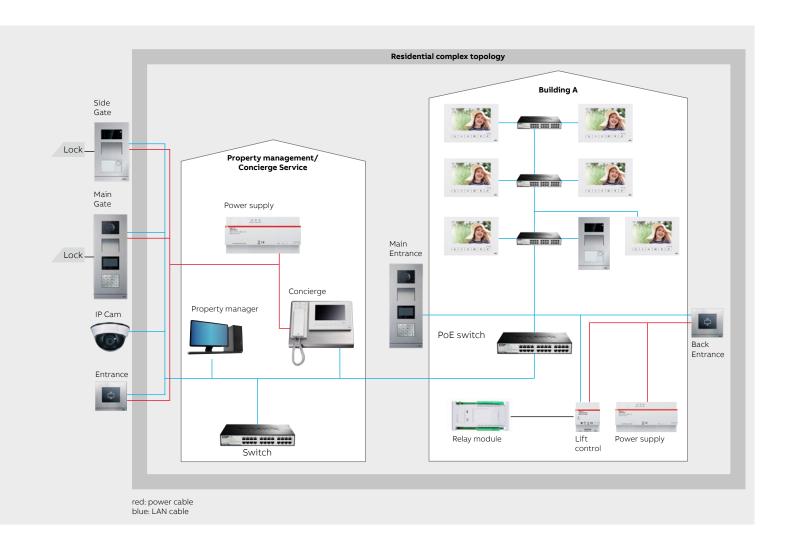


Distance without limits

With the ABB-Welcome IP technology, it is possible to overcome spatial distances and connect any number of houses through the door communication system. Property management can thus monitor all entrances, greet visitors and grant them controlled access from a centralised point.

Any number of devices

With ABB-Welcome IP, even large building complexes and high rises can be equipped perfectly with an easy-to-install door communication system that leaves nothing to be desired. Any number of devices can be implemented – from indoor and outdoor stations to smoke detectors or monitoring cameras.



Multi-channel technology

Thanks to the IP technology, the residents of the house are always accessible to visitors. Any number of flats can be contacted by different outdoor stations at the same time. In addition, a flat can also be called by more than one outdoor station. Residents thus never miss a visitor.

Maximum security

All devices are networked in a closed system with LAN cables. Indoor stations are protected from outside access. The optional IP gateway acts as an interface to the Internet, whereby the public door communication system is completely isolated from the private network of the resident. For maximum security to prevent data misuse.

ABB-Welcome IP product overview



01





03





02

04

05







ABB-Welcome IP

01 Video keypad outdoor station, stainless steel

02 Video outdoor station, stainless steel

03 Mini video outdoor station, aluminum

04 Secondary mini video outdoor station, aluminum

05 IC/ID-card reader, stainless steel

06 7" video hands-free indoor station

07 Guard unit







01

02 03









07

04

05

06

ABB-Welcome IP

- 01 Flush-mounted box, size 1/4, aluminum
- 02 Flush-mounted box, size 1/3, aluminum
- 03 pre-installation box, grey
- 04 Lift control module
- 05 Relay module
- 06 IP gateway
- 07 Power supply

Outdoor Stations Stainless steel









	Video outdoor station, stainless steel			
Description	Video outdoor station	Video outdoor station with transponder and pushbutton(s) serves as end device for the		
	communication with the	he indoor station, guar	d unit or property mana	agement.
Features	- 1M pixel high definition	on and 130° wide angle	view camera (anti-fog)	•
	- Available with 1 or 2 pushbuttons			
	- Supports to unlock by passwords or cards (IC/NFC), call to resident/guard unit			
	- Surveillance by residents or guard unit possible			
	- Support 3rd party access control system			
	- After flush-mounted installation, the outdoor station sticks out 7 mm above the wall			
Technical details	- Flush mounting and surface mounting			
	- Dustproof and waterproof as IP54, vandal proof as IK07			
	- Dimensions: 247 x 135 x 49 mm			
Version	1 pushbutton	1 pushbutton, with	2 pushbuttons	2 pushbuttons, with
		NFC/IC card reader		NFC/IC card reader
Article no.	H81371P1-S	H81372P1-S	H81371P2-S	H81372P2-S
Order no.	2TMA100010X0003	2TMA100010X0004	2TMA100010X0005	2TMA100010X0006



	IC/ID-card reader to stainless steel
Description	The stand-alone card reader allows to unlock doors and gives access only to authorized
	users.
Facilities 1	- Supports entering the home with ID/ IC cards
Features	- 3 LED indicators
Technical details	- Dustproof and waterproof: IP44
	- Product dimension: 125 x 120 x 25 mm
Order no.	YSM14-CR+
Article no.	2TMA060090X0001
•	

Outdoor Stations Aluminum







Mini video outdoor station, aluminum



	Secondary mini video outdoor station, aluminum		
Description	The secondary outdoor station is equipped with one pushbutton. It serves for calling the		
	resident for a second confirmation directly at the front door.		
Features	- 0.3M pixel and 100° wide angle view camera (anti-fog)		
	- One push button only		
	- Surveillance only by residents		
	- Support 3rd party access control system		
	- After flush-mounted installation, the outdoor station sticks out 10 mm above the wall		
Technical details	- Flush mounted installation		
	- Dustproof and waterproof as IP54, vandal proof as IK07		
	- Product dimension: 180 x 105 x 43 mm		
Article no.	H81361P1-A		
Order no.	2TMA110010A0005		

Outdoor Stations Accessories



	Flush-mounted box, size 1/3, aluminum		
Description	Mounting of outdoor stations into the wall.		
Features	- The anodized aluminum flush box is fitted with knock down holes for cabling from le right, bottom or back.		
	- The product is packed with accessories to ensure quality installation.		
Technical details	- Product dimension: 263 x 110 x 42 mm		
Article no.	41023F+		
Order no.	2TMA110160A0001		



	Flush-mounted box, size 1/4, aluminum		
Description	Mounting of outdoor stations into the wall.		
Features - The anodized aluminum flush box is fitted with knock down holes for cabling fro right, bottom or back.			
	- The product is packed with accessories to ensure quality installation.		
Technical details	s - Product dimension: 336 x 110 x 42 mm		
Article no.	41024F+		
Order no.	2TMA110160A0002		



Pre-installation box
41361F
Serves for the mounting of mini outdoor station into the wall for higher stability.
- The anodized pre-installation 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.
- Product dimension: 174 x 98 x 45 mm
41361F
2TMA110010N0001

Indoor Stations



	7" video hands-free indoor station		
Description	Indoor video station displays everything what is happening in front of the front door. It supports multiple functions to control surveillance and communication with other indoor stations, outdoor stations and guard units.		
Features	 Large 17.8 cm (7") color display with a TFT touch control screen, resolution 1024 x 600 pixel. 6 quick buttons for calls with visitors, guard unit or property management, unlock the door, mute signal or sound, text message to guard or property management, intercom home-to-home or apartment-to-apartment, absent audio messaging to residents and visitors Supports second call waiting with picture in picture mode and the showing of the third incoming call as missing call Integrated multimedia player for pictures and video 3 different colors: white, black, gold 		
Technical details	- Surface-mounted installation - Dustproof and waterproof: IP30 - Product dimensions: 216 x 153 x 25 mm		
Version	white color	black color	grey color
Article no.	H82351-W	H82351-B	H82351-G
Order no.	2TMA110050W0001	2TMA110050B0001	2TMA110050G0001



	Guard unit
Description	The guard unit provides access to various services using the intuitive icons menu on the screen. Communication is possible with indoor stations, outdoor stations and other guard units.
Features	 Stainless steel desktop frame with 7" white color display with intuitive control 6 mechanical shortcut buttons Both handset and hands-free communication possible
	 Unlock the door, call foward, surveillance of outdoor station and community IP camera, door release, alarm messages,
	 Additionally with installation file for property management office including Windows version, server installation and client installation
	 Property management software supports the communication with outdoor and indoor station and guard unit, surveillance of outdoor station and community IP camera, receiving alarm information, bulletin and text messaging with indoor stations, welcome message for outdoor station, card management, history storage include intercom and unlock the doors
Technical details	 Desktop mounted Dustproof and waterproof: IP30 Product dimensions: 332 x 239 x 127mm
Article no.	HSM36-GU
Order no.	2TMA110050W0002

System Devices



	Power supply			
Description	Power supply supplies the power for system devices.			
Features	- Includes battery backup interface for mains failure			
	- Supports over-voltage, over-current, over-heat and short-circuit protection.			
Technical details	- Lightning proof, dustproof and waterproof: IP30			
	- Product dimensions: 175 x 90 x 65 mm			
Article no.	YSM01-PS			
Order no.	2TMA010080N00001			



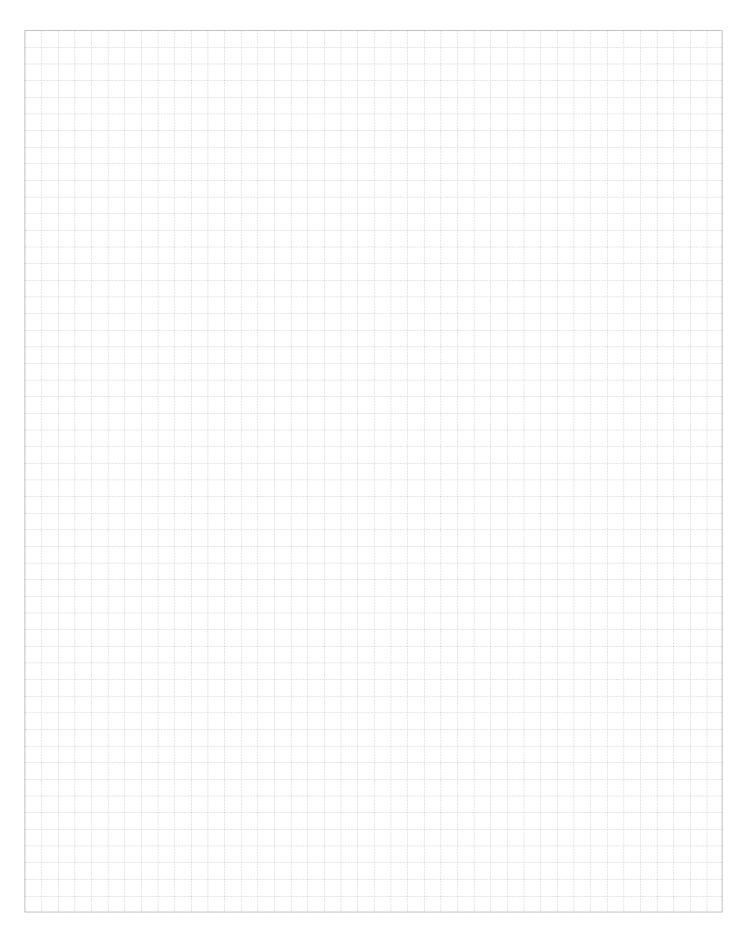


	Elevator control			
Description	Lift control module servers as the communication interface to			
	the elevator system. Relay module supplies the relays output to			
	communicate with dry contact input of elevator.			
Features	- High security by allowing authorized visitors/residents to go ONLY to the designated			
	floor.			
	- Authorize elevator floor access for visitor after door has been released			
	- Authorize elevator floor access for neighbor during apartment to apartment intercom			
	- Calling the elevator via indoor station before going out			
	- Efficient programming through PC by dedicated commissioning software.			
	- Up to 16 modules can be cascaded.			
Technical details	- Surface mounted			
	- Size of relay mode: 210 x 110 x 45 mm			
	- Size of M adaptor 71 x 90 x 65 mm.			
Version	Lift control module	Relay module		
Article no.	YSM23-LC	4825-Y		
Order no.	2TMA010150G0001	2TMA010150G0003		



	IP Gateway	
Description	The IP gateway serves as apartment entry gateway to gain security for your home	
	private devices.	
Features	- Dual LAN port to isolate private devices from public device	
	- Supports ABB-Welcome IP app connection (Android and iOS)	
	- Supports multiple indoor station(s) in one apartment	
Technical details	- Lightning proof, dustproof and waterproof: IP30	
	- Product dimension: 107 x 90 x 65 mm	
Article no.	H8301	
Order no.	2TMA110160H0001	

Notes



Notes

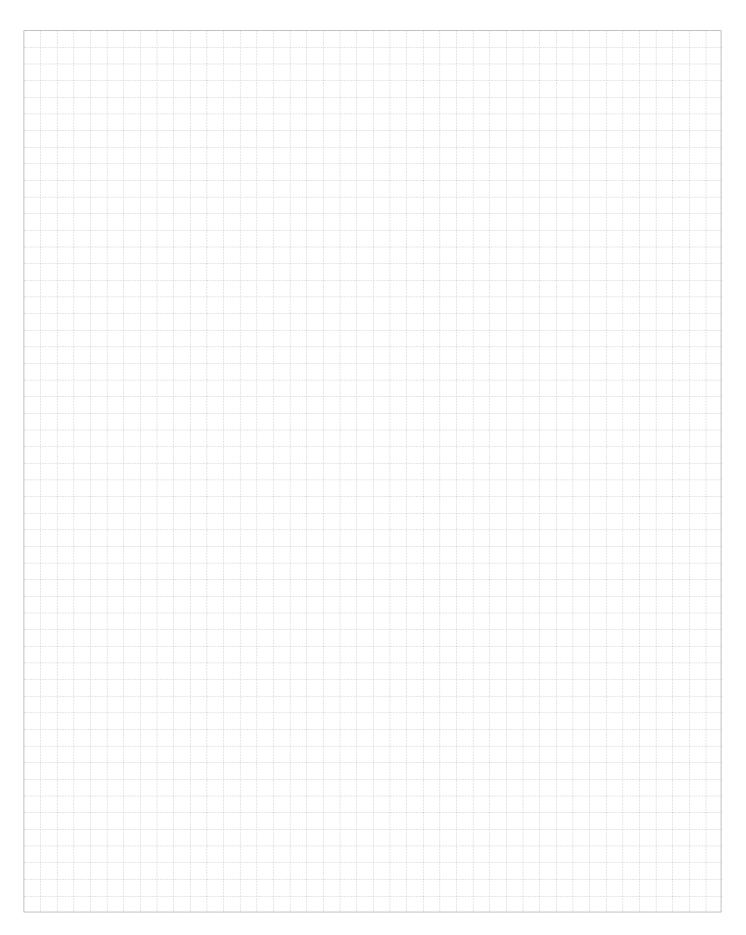




abb.com

ABB (United Arab Emirates)

Industries(L.L.C)
P.O.Box 11070 Dubai-UAE
T: +971-4-3147 586
F: +971-4-3401 541

ABB (Turkey) Eletrik San.AS

ABB Elektrik Sanayi AS. Organize Sanayi Bolgesi 2. Cadde No: 16 Y. Dudullu-Istanbul T: +90 216 528 2281 F: +90 216 528 2945

ABB (Thailand) Limited

161/1 SG Tower, 1st- 4th Floor, Soi Mahadlekluang 3, Rajdamri Road, Lumpini, Pathumwan Bangkok 10330, Tailand

T:+6626651000 F:+6626651043

ABB Global Marketing - Lebanon

Down Town, Beirut, Lebanon T:+9611983724/5 F:+9611983723

ABB (India) Limited.

Plot No.1, Sector-1B, I.I.E.SIDCUL, Haridwar-249403.India T:+911334235447 F:+911334235449

ABB Australia Pty Limited

601 Blackburn Road 3168, Notting Hill, Victoria, Austrilia

T: +61 3 8577 7139 F: +61 3 9545 0415

ABB (Vietnam) Limited

Km 9 National Highway 1A , Hoang Liet, Hoang Mai, Hanoi, Vietnam

T: +84 4 3861 1010 F: +84 4 3861 1009

ABB (KSA) Electrical Industries Co. Ltd.

P.O.Box 325841, Riyadh 11371 T: +966 11 484 5600 F: +966 11 206 7609

ABB (Russia) Ltd.

3121 Wiring Accessories 30/1 bld.2, Obrucheva str. RU

T: +7 495 777 222 0 F: +7 495 777 222 0

ABB Malaysia Sdn Bhd

Block A, Level 2, Lot 608, Jalan SS13/IK 47500 Subang Jaya Selangor

T: +603-5628 4888 F: +603-5635 8200

ABB (Hong Kong) Limited

3 Dai Hei Street, Tai Po Industrial

Estate, Tai po, Hong Kong T: +852 2929 3912

F: +852 2929 3505

ABB Pte. Ltd.

2 Ayer Rajah Crescent, Singapore 139935 T: + 65 6776 5711 F: + 65 6778 0222