

M2131.P.-
M2136.P.-

Service

For European Union countries, please contact:
ABB S.p.A - Viale dell'Industria 18, 20010 Vittuone (MI), Italy

For Non-EU countries, please contact:
ABB Genway Xiamen Electrical Equipment Co., LTD.
No. 7 Fangshan South Road, Xiang An, Xiamen, Fujian 361000, China

<http://new.abb.com/low-voltage/products/residential-products/door-communication>

99 mm, 26.5 mm, 78 mm, 168 mm, 147 mm, 3-1

105 mm, 53 mm, 99 mm, 99 mm, 45 mm, 180 mm, 174 mm, 174 mm

105 mm, 43 mm, 90 mm, 92 mm, 180 mm, 170 mm, 120 mm, 97 mm

1-1, 1-2, 1-3, 2-1, 2-2, 2-3, 2-4

Mini Video Outdoor Station

WARNING
Dangerous currents flow through the body when coming into direct or indirect contact with live components. This can result in electric shock, burns or even death.
➢ Disconnect the mains power supply prior to installation and/or disassembly!
➢ Permit work on the 110-240 V supply system to be performed only by specialist staff.

Please read the mounting instructions carefully and keep them for future use.
Detailed user manual is available via the link in chapter "Service" or by scanning the QR codes (device with corresponding software is required).

Intended use
The outdoor station is part of the ABB-Welcome door communication system and operates exclusively with components from this system. Mini video outdoor station has 1/2 round pushbuttons, light switch or calling guard programmable for the button, built-in ID card reader and up to 2 locks connections.

Addressing
For outdoor stations: With the selector switch **1** set the address of the outdoor station (1 to 9).
For indoor stations: With the left selector switch **2** set the address of the default outdoor station (1 to 9). Then use the other two selector switches and dip-switches 3 to set the address (hundreds, tens and units digits e.g. 001) of the indoor station.

Technical data

Single-wire clamps	2 x 0.28 mm ² - 2 x 0.75 mm ²
Fine-wire clamps	2 x 0.28 mm ² - 2 x 0.75 mm ²
Bus voltage	20-30 V DC
Protection	IP 54
Power supply, door opener (Lock-GND)	18 V 4 A impulsive, 250 mA holding
Floating output, door opener (COM-NC-NO)	30 V AC/DC 1 A
Operating temperature	-40 °C - +70 °C -40 °F - +158 °F

Installation
Flush mounting with pre-installation box
1-1. Cut a square groove in the wall and put the pre-installation box into it.
1-2. Put the lower cover of the outdoor station into the groove and fix it with screws.
1-3. Do the wiring and close the outdoor station.
Cavity wall installation
2-1. Mount the screws and clips onto the outdoor station.
2-2. Fix it onto the wall; screw, install and tighten the screws.
2-3. Do the wiring and close the outdoor station.
Surface mounting
3-1. Fix the lower cover of the outdoor station onto the wall with screws, do the wiring and close the outdoor station.
3-2. Fix the lower cover of the outdoor station onto the 86 box with screws, do the wiring and close the outdoor station.

Precautions for installation
When opening a square groove for the lower cover of the equipment, you must control the embedded depth, ensuring the outer edge of the lower cover can be fully attached to the wall, but should not leave a large gap between the exposed parts of the face shell and the wall after the installation of the equipment;
Do not install in raining, humid or dusty environments, and not near objects of high temperature or strong corrosion.

Terminal description

1	Connector for device software update
2	Rotary switch to set the address of OS (1-9)
3	Set feedback tone of pushbutton: ON/OFF
4	Set general call to all indoor stations in one family: ON/OFF If GC=ON, press button 1/button 2, all IS ring
5	Configuration function of 1st/2nd round pushbutton 5A Mini Video Outdoor Station with one pushbutton 3 -> OFF; 4 -> OFF = Call IS 001 3 -> ON; 4 -> OFF = Switch on light 3 -> OFF; 4 -> ON = Call guard unit 3 -> ON; 4 -> ON = Call IS 001 5B Mini Video Outdoor Station with two pushbuttons 3 -> OFF; 4 -> OFF = Call IS 001/002 3 -> ON; 4 -> OFF = Switch on light/call IS 001 3 -> OFF; 4 -> ON = Call guard unit/call IS 001 3 -> ON; 4 -> ON = Call IS 001/call IS 002
6	Set the video mode PAL/NTSC OFF = PAL video mode ON = NTSC video mode
7	Set default lock OFF = set (Lock-GND) as default lock ON = set (COM-NC-NO) as default lock *Default lock is controlled by "unlock" button on IS

8	Plug-in clamps (a,b) for bus connection
9	Plug-in clamps (Exit-GND) for exit button
10	Plug-in clamps (Lock-GND) for door opener
11	Plug-in clamps (COM-NC-NO) for floating output, door opener
12	Rotary switch to adjust default door lock release time, 1-10s
13	Rotary switch to adjust loudspeaker volume

Operation

1	LED flashed slowly to indicate call established LED flashed fast to indicate system busy
2	LED illuminate to indicate communication possible
3	LED illuminate to indicate door unlocked
4	If round pushbutton with ID card reader, please find the details in outdoor station manual.

FCC ID: 2AEBL-M2131
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These devices comply with Part 15 of the FCC Rules Operation is subject to the following two conditions: (1) These devices may not cause harmful interference, and (2) These devices must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
These devices comply with radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

Estación al Aire Libre de Mini Video

ADVERTENCIA
En caso de entrar en contacto, directa o indirectamente, con componentes por los que circule una corriente eléctrica, se puede sufrir una descarga eléctrica peligrosa, cuyo resultado puede ser choque eléctrico, quemaduras o, incluso, la muerte.
➢ ¡Desconecte la tensión de red antes de proceder al montaje o desmontaje!
➢ Encargue los trabajos en la red eléctrica de 110-240 V solo al personal técnico competente.

Por favor, lea las instrucciones de montaje y guárdelas para ser usadas en el futuro.
El manual de usuario puede ser descargado en www.abb.es.

Uso indicado
La estación al aire libre es parte del sistema de interfonía de ABB-Welcome y funcionamiento exclusivo con componentes de este sistema.
Mini estación al aire libre de vídeo tiene 1/2 pulsadores redondos, interruptor de iluminación o bloqueo de llamada programable para el botón, una función de lector de tarjeta de identificación y hasta 2 conexiones cerraduras.

Direccionamiento
Para las estaciones al aire libre: Con el selector **1** se establece la dirección de la estación al aire libre (1 a 9).
Para las estaciones de interior: Con el interruptor de selección izquierdo **2** se establece la dirección de la estación al aire libre predefinida (1 a 9).

A continuación, utilice los otros dos interruptores **3** para establecer la dirección (cientos, decenas y dígitos de unidades por ejemplo, 001) de la estación interior.

Datos Técnicos

Abrazaderas de un solo alambre	2 x 0.28 mm ² - 2 x 0.75 mm ²
Abrazaderas alambre fino	2 x 0.28 mm ² - 2 x 0.75 mm ²
Tensión de bus	20-30 V DC
Protección	IP 54
Fuente de alimentación, apertura de puerta (Lock-GND)	Impulsivo 18 V 4 A, Retención 250 mA
Salida flotante, apertura de puerta (COM-NC-NA)	30 V CA/CD 1 A
Temperatura de funcionamiento	-40 °C - +70 °C -40 °F - +158 °F

Montaje en una actual estación exterior y conexión
Instalación empotrada (con caja empotrada)
1-1. Corte una ranura cuadrada en la pared y coloque la caja empotrada en ella.
1-2. Coloque la tapa inferior de la estación para exteriores en la ranura y fíjela con tornillos.
1-3. Realice el cableado y cierre la estación para exteriores.
Instalación empotrada (pared hueca)
2-1. Instale los tornillos y abrazaderas en la estación para exteriores.
2-2. Fíjela a la pared; atornille, instale y apriete los tornillos.
2-3. Realice el cableado y cierre la estación para exteriores.

Instalación en superficie
3-1 Fije la tapa inferior de la estación para exteriores a la pared con tornillos, realice el cableado y cierre dicha estación.

Precautions for installation
When opening a square groove for the lower cover of the equipment, you must control the embedded depth, ensuring the outer edge of the lower cover can be fully attached to the wall, but should not leave a large gap between the exposed parts of the face shell and the wall after the installation of the equipment;
Do not install in raining, humid or dusty environments, and not near objects of high temperature or strong corrosion.

Montaje y Conexión

1	Conector para la actualización del software del dispositivo
2	Interruptor giratorio para ajustar la dirección del OS (1-9)
3	Ajustar el tono de retroalimentación del botón de pulsado: ON/OFF
4	Ajustar la llamada general a toda la estación interior en un solo grupo: ON/OFF Si GC=ON, pulse el botón 1/botón 2, todo timbre IS
5	La función de configuración del primer/segundo botón de pulsado redondo 5A Estación al aire libre de Mini Video con un botón de pulsado 3 -> OFF; 4 -> OFF = Llamada IS 001 3 -> ON; 4 -> OFF = Encender la luz 3 -> OFF; 4 -> ON = Unidad de bloqueo de llamada 3 -> ON; 4 -> ON = Llamada IS 001 5B Mini Video Estación al aire libre con dos botones pulsado 3 -> OFF; 4 -> OFF = llamada IS 001/002 3 -> ON; 4 -> OFF = Encender luz/llamada IS 001 3 -> OFF; 4 -> ON = Boqueo de llamadas unidad/llamada IS 001 3 -> ON; 4 -> ON = Llamada IS 001/llamada IS 002

6	Ajustar el modo de vídeo PAL/NTSC OFF = Modo vídeo PAL ON = Modo vídeo NTSC
7	Definir bloqueio padrão OFF = definir (Lock-GND) como bloqueio padrão ON = definir (COM-NC-NO) como bloqueio padrão * O bloqueio padrão é controlado pelo botão "unlock" (desbloquear) no IS
8	Braçadeiras plug-in (a, b) para ligação bus
9	Braçadeiras plug-in (Exit-GND) para botão de saída
10	Braçadeiras plug-in (Lock-GND) para abridor de porta
11	Braçadeiras plug-in (COM-NC-NO) para saída flutuante e abridor de porta
12	Interruptor rotativo para ajustar tempo de libertação de bloqueio de porta padrão, 1-10 seg
13	Interruptor rotativo para ajustar volume de coluna

Funcionamiento

1	LED a piscar devagar indica chamada estabelecida LED a piscar rápido indica sistema ocupado
2	LED ligado indica comunicação possível
3	LED ligado indica porta desbloqueada
4	Se o botão redondo tiver leitor de cartão ID, consulte os detalhes no manual da estação exterior.

English

Español

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