

DATASHEET

NCODER by SALTO

The SALTO NCoder integrates the encoding capabilities of a powerful updated design encoder with a built-in desktop reader function. It is compatible with a wide range of RFID cards and mobile keys.

www.saltosystems.com

TECHNICAL SPECIFICATIONS: NCODER

SALTO
inspiredaccess



TECHNICAL DATA:

Housing dimensions (H x W x D):	95.5 x 141 x 30.5 mm 3-3/4" x 5-9/16" x 1-3/16"
Weight:	174 g
Cover material:	PC/ASA
Certifications:	CE, FCC/IC, RCM

ELECTRONIC FEATURES:

USB Interface:	USB 2.0 Type-B
Ethernet Interface:	10BASE-T/100BASE-TX
DHCP Addressing:	•
Security:	DTLS v1.2 / AES128
NFC Interface:*	•
LED lamps:	Red+Green+Blue
Beeper:	•

* PPD Ethernet Bridge

ID TECHNOLOGIES:

MIFARE:*	•
Bluetooth Smart:	•
NFC:	•
Legic:**	—
iClass®Seos™:	•
Picopass:	—
i-Button:	—

* MIFARE® (DESFire EV2, Plus, Ultralight, Classic - ISO/IEC 14443).

** Legic Prime and Legic Advant

TECHNOLOGY PLATFORMS:**SALTO SPACE:**

Smile - Selfprogrammable	—
ROM:	—
SVN data-on-card:	•
JustIN Mobile BLE:*	•
JustIN Mobile NFC:*	•

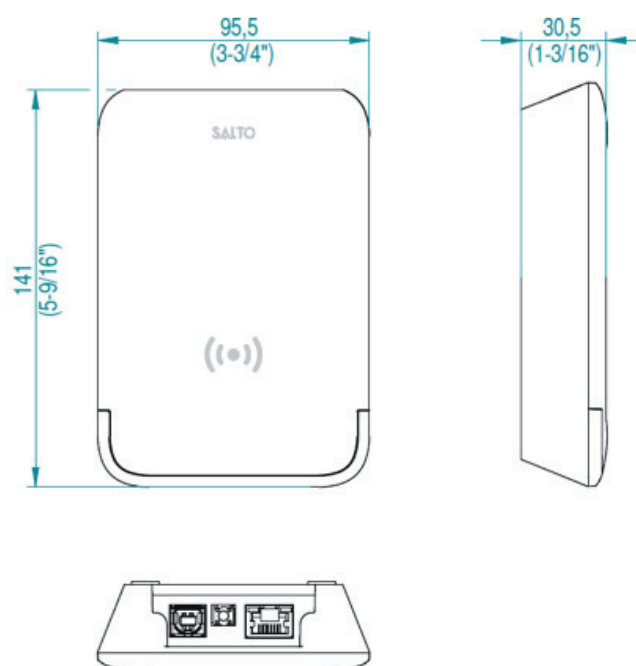
* Desktop reader only

SALTO KS:

SALTO KS:	—
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SALTO SALLIS:

SALLIS:	—
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TECHNICAL DRAWING:**COVER STICKER FINISHES:**

Black:	•
White:	—

ELECTRICAL CHARACTERISTICS:**Operations conditions:**

	Min	Max	Unit
Temperature:	0	50	°C
(non condensing)	32	122	°F
Humidity:	0	95	%
(non condensing)			

Power consumption:

Power consumption:	5V
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//DATASHEET

SALTO ProAccess SPACE |

Powerful functionality made easy +
Outstanding technology:

ProAccess SPACE builds upon SALTO's earlier ProAccess and HAMS software, while adding a more user-friendly interface as well as including important functionality that today's modern access control systems require.

ProAccess SPACE Software

SALTO
inspiredaccess



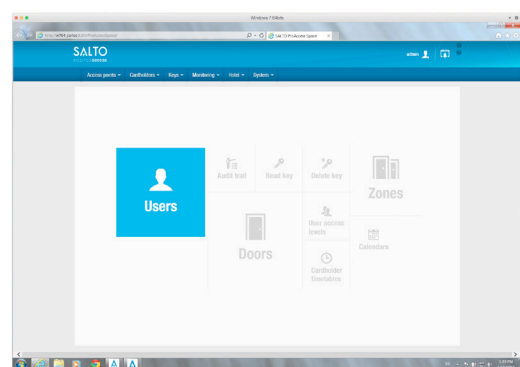
ProAccess
space
by **SALTO**

THE EVOLUTION OF OF A GREAT SYSTEM SALTO ProAccess SPACE SOFTWARE

SALTO's ProAccess SPACE web-based software brings a new level of powerful flexibility to access control so that users can order the functionalities that they need most and upgrade accordingly as needs grow. In addition to the abundance of important new functionalities, SPACE also has a modern interface that is more user-friendly to help operators use the functions they need as quickly and intuitively as possible.

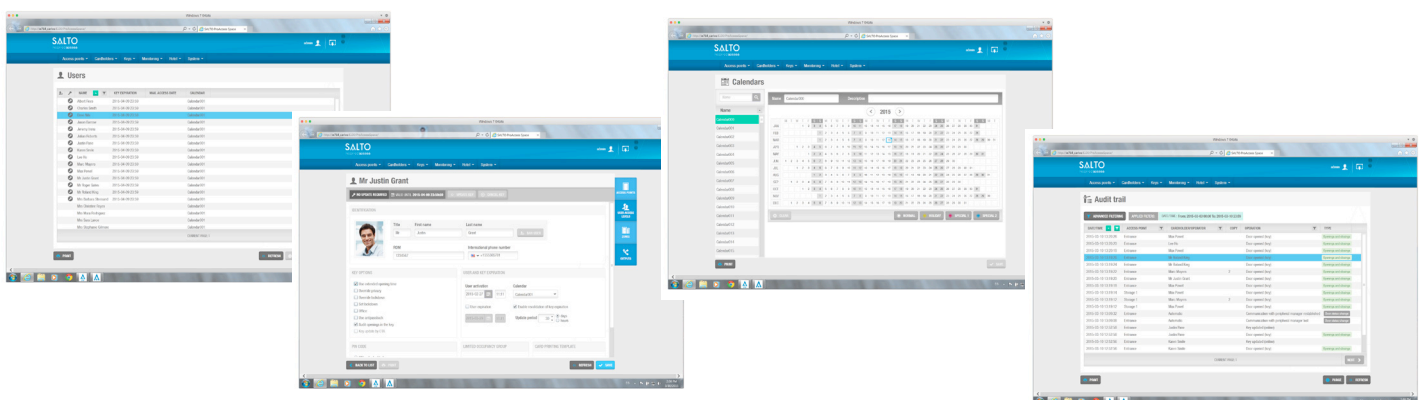
SALTO ProAccess SPACE SOFTWARE

PROACCESS SPACE TAKES YOU TO THE NEXT LEVEL
OF ACCESS CONTROL IN TERMS OF SECURITY,
USABILITY, FLEXIBILITY AND EFFICIENCY.



MAIN FEATURES:

- Web-based interface means no need to install the software on all client PCs. Also, an update of the server PC means that all client PCs are also updated.
- Can be managed or operated from different workstations simultaneously without risk of database corruption.
- Easy installation process that includes a powerful SQL engine. Database protected by SQL authentication or windows-based authentication.
- Multi-language and configurable interface makes it easy to adjust the interface to the specific needs and security level of each operator, including operator password protection for higher security.
- Operator's audit trail registers changes done by operators.
- Interface alerts to be aware of potential conflicts on the setup of the access plan or changes.
- Easy to upgrade to additional features to keep in-line with an installation's requirements.
- SALTO ProAccess SPACE software can also be used on Windows-based tablets.



PRO ACCESS SPACE PACKAGES AND ADD-ON FEATURES

	SPABASIC	SPAONLINE	SPAIDSYS	SPAPART	SPADEMO	SPATRIAL
Expiration Period	No expiry	No expiry	No expiry	No expiry	No expiry	90 days
Functions						
Lockers	Included	Included	Included	Included	Included	Included
Import	Included	Included	Included	Included	Included	Included
Export	Included	Included	Included	Included	Included	Included
Online Monitoring	Included	Included	Included	Included	Included	Included
Lockdown	Not included	Included	Included	Included	Included	Included
Antipassback	Not included	Included	Included	Included	Included	Included
Event Stream	Not included	Included	Included	Included	Included	Included
Automatic Key Assignment	Not included	Included	Included	Included	Included	Included
Roll Call	Not included	Included	Included	Included	Included	Included
Limited Occupancy	Not included	Included	Included	Included	Included	Included
Visitor management	Not included	Not included	Included	Included	Included	Included
Badging module	Not included	Not included	Included	Included	Included	Included
Partitions	Not included	Not included	Not included	Included	Included	Included
Matrix Function & Locations	Possible add-on	Possible add-on	Possible add-on	Possible add-on	Included	Included
mSVN module	Possible add-on	Possible add-on	Possible add-on	Possible add-on	Included	Included
Database Synchronization	Possible add-on	Possible add-on	Possible add-on	Possible add-on	Included	Included
SHIP Integration	Possible add-on	Possible add-on	Possible add-on	Possible add-on	Included	Included
Graphical Mapping compatibility	Possible add-on	Possible add-on	Possible add-on	Possible add-on	Included	Included
SAM Custom Keys	Possible add-on	Possible add-on	Possible add-on	Possible add-on	Not included	Not included
SAM Custom Keys defined by user	Possible add-on	Possible add-on	Possible add-on	Possible add-on	Not included	Not included
Wireless RF2	Possible add-on	Possible add-on	Possible add-on	Possible add-on	Included	Included
Hotel Module	Possible add-on	Possible add-on	Possible add-on	Possible add-on	Included	Included
BAS Integration	Possible add-on	Possible add-on	Possible add-on	Possible add-on	Included	Included
Mobile Guest Keys	Possible add-on	Possible add-on	Possible add-on	Possible add-on	Included	Included



Lockers

As part of the SALTO platform, our XS4 locker locks can also be managed through Pro Access software. This provides an impressive range of options including free assignment mode, family mode and, subject to calendars etc.; almost unlimited possibilities.

Feature included in: SPABASIC, SPAONLINE, SPAIDSYS and SPAPART packages



Antipassback

The antipassback feature establishes a specific sequence in which access cards must be used in order for the system to grant access.

Feature included in: SPAONLINE, SPAIDSYS and SPAPART packages



Import/Export

The SALTO Pro Access automatic Import/Export tool enables you to import doors, users, groups or even access rights directly and automatically from other platforms, saving time and effort.

Feature included in: SPABASIC, SPAONLINE, SPAIDSYS and SPAPART packages



Event stream

The Event Stream option generates real-time notifications to third party systems. The idea is to filter the audit trail and send the selected events so that the order system can process the received information and perform a real-time action.

Feature included in: SPAONLINE, SPAIDSYS and SPAPART packages



Online monitoring

SALTO Pro Access enables you to monitor in real-time not just battery status or if an update is needed, but also who accessed what door and when, if a door has been left open, intrusions etc. Total control, all in real-time.

Feature included in: SPABASIC, SPAONLINE, SPAIDSYS and SPAPART packages



Automatic Key Assignment

Automatic key assignment is a tool that enables you to encode key cards directly via a wall reader at the main point of access. This can be done the first time a user presents his card, saving time and the need to queue for card validation.

Feature included in: SPAONLINE, SPAIDSYS and SPAPART packages



Lockdown

SALTO Pro Access enables users to make an emergency lockdown of a property in the event of a security incident.

Feature included in: SPAONLINE, SPAIDSYS and SPAPART packages



Roll Call

Through the Roll Call function you can track where users are in different roll call areas in real-time.

Feature included in: SPAONLINE, SPAIDSYS and SPAPART packages

PRO ACCESS SPACE PACKAGES AND ADD-ON FEATURES



Limited Occupancy

Using the Limited occupancy feature, you can control the maximum number of authorised users. The system will automatically deny access once set occupancy levels are reached, re-granting access if or when limits are reset.

Feature included in: SPAONLINE, SPAIDSYS and SPAPART packages



Visitor management

The Visitor module enables you to issue visitor cards for a few hours, a few days or for something in between and all with a built-in cancellation date that will disable the credential automatically.

Feature included in: SPAIDSYS and SPAPART packages



Badging

The SALTO badging module enables users to create templates for card credentials via information from user's access plan data. The cards can be customized both internally and externally.

Feature included in: SPAIDSYS and SPAPART packages



Partitions

Department operator enables properties to be managed independently but whilst retaining shared access privileges.

Individual buildings can be run by their own managers, controlling their own user's access rights.

Feature included in: SPAPART packages



Matrix Functions and Locations

The combination of users to doors and their different functions can cause occasional keying problems when designing the access plan. The Matrix Access Function simplifies and streamlines the link between users and doors making access planning simple and straightforward.

Feature only available individually and is not included in any package



mSVN

SALTO mSVN technology permits the use of an NFC smartphone to act as an updating point from which you can update users' access rights instantly, even when users are on the road.

Feature only available individually and is not included in any package



SHIP Integration

The SALTO Host Interface Protocol enables users to integrate their SALTO Access Control system to other systems i.e. CCTV, fire alarm, traditional access control, etc. all via the same software.

Feature only available individually and is not included in any package



Graphical mapping

Graphical mapping is a visual interface that permits monitorization of users' access to online wired and wireless access points in real time throughout the building layout.

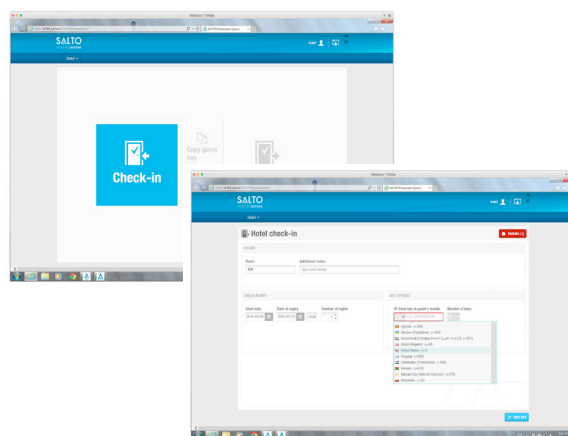
Feature only available individually and is not included in any package

HOTEL MODULE

The ProAccess SPACE hotel module brings together functions specifically designed for the hospitality industry such as Group check-in, Mobile Guest Keys and BAS integration.

HOTEL MODULE MAIN FEATURES

- Compatible with PMS
- Compatible with RMS through SALTO BAS protocol
- Compatible with POS
- Rerooming through wireless platform
- Extended stay through wireless
- Group management
- Compatible with institutional cards



ACCESS CONTROL FEATURES:

	R&W SVN
Maximum number of users per door	4,000,000
Maximum number of doors per system	64,000
Automatic changes tables	1,024
Time zones	256
Access levels in system	unlimited
Calendars in system	256
Zones in system	1,024

SERVER TECHNICAL REQUIREMENTS:

SERVER OPERATIVE SYSTEM:

- Windows VISTA
- Windows 7
- Windows 8
- Windows 8.1
- Windows Server 2008 R2
- Windows Server 2012

MICROSOFT .NET FRAMEWORK REQUIREMENT:

- Net Framework 4 or higher

ADDITIONAL PLUG-INS REQUIRED:

- Microsoft Silverlight plug-in version 5 or higher

SQL DATABASE ENGINE COMPATIBILITY

- SQL LocalDB
(included in ProAccess SPACE software - SQL Server 2012Express)
- SQL Server 2014
- SQL Server 2012
- SQL Server 2008 R2

HARDWARE REQUIREMENTS*

- Processor: 1 GHz or higher. 32Bits or 64Bits.
- RAM: 1GB.
- Hard disk space required: 10 GB. (Aprox., depends on the DB)

CLIENT TECHNICAL REQUIREMENTS:

CLIENT OPERATIVE SYSTEM:

- Windows XP SP3
- Windows VISTA
- Windows 7
- Windows 8
- Windows 8.1
- Windows Server 2008 R2

Windows Server 2012 WEB BROWSER COMPATIBILITY:

- Microsoft Internet Explorer 11 or higher (recommended).

NETWORK CONNECTION TO SERVER:

- Just a network connection and access to the server where SALTO ProAccess SPACE service is installed is required.

ADDITIONAL PLUG-INS REQUIRED:

- Microsoft Silverlight plug-in version 5 or higher

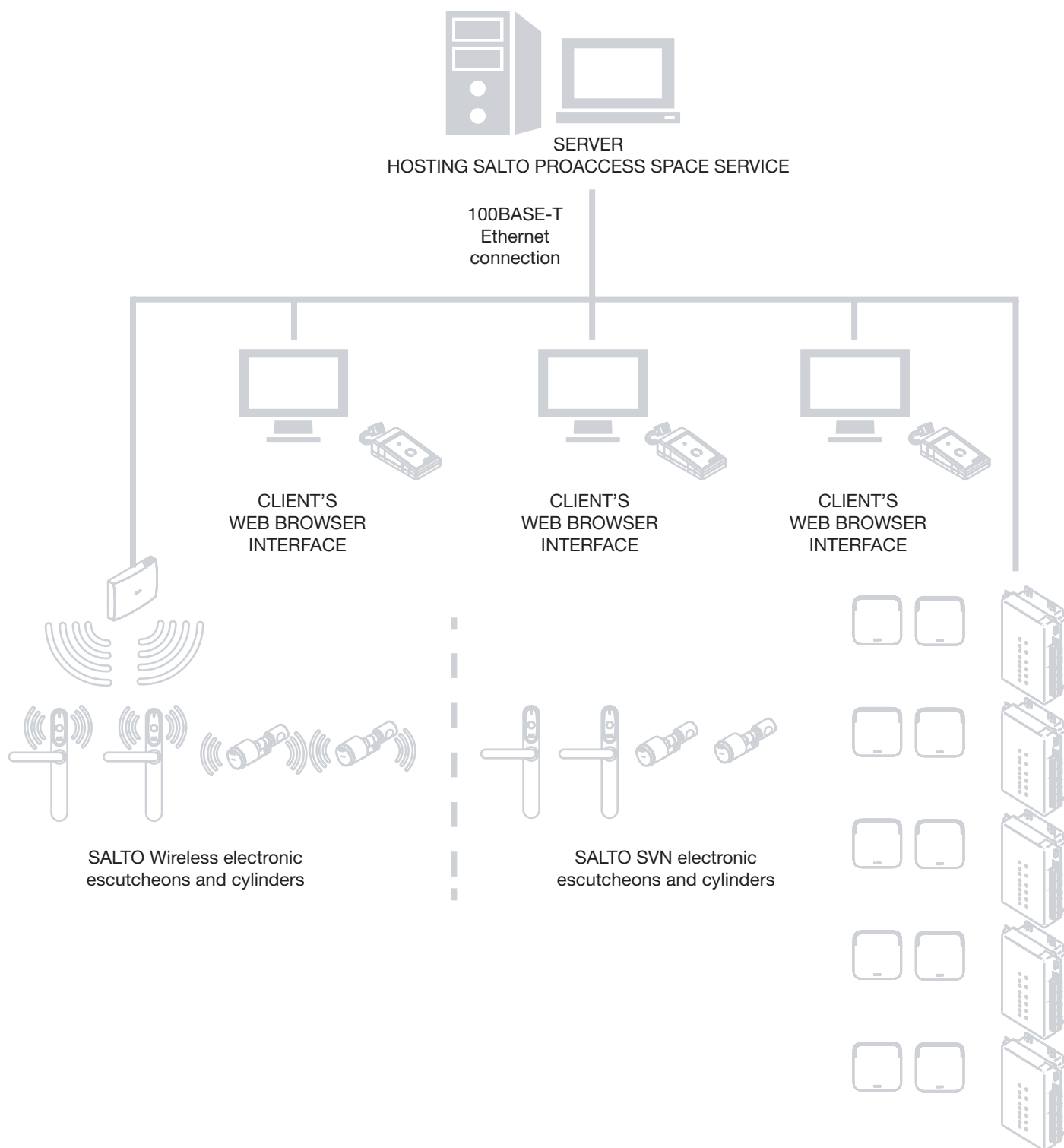


* Requirements indicate the minimum amount of space or processing capacity freely available for running ProAccess SPACE.

PRO ACCESS SPACE SYSTEM ARCHITECTURE:

ProAccess SPACE web-based software brings greater functionality along with greater usability making access control management more efficient than ever.

The full interface has been revised and adapted to be much more user-friendly, complete and robust.



DATASHEET

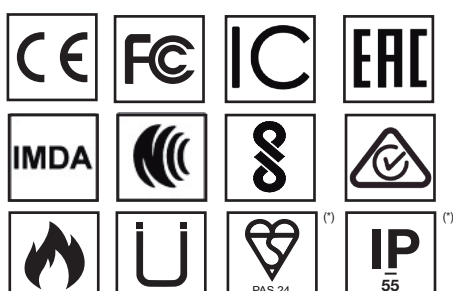
XS4 One by SALTO

The SALTO XS4 One escutcheon is a revolutionary stand-alone electronic lock thanks largely to the level of technology packed inside that brings together the convenience of an offline point -- easy installation and no wires – with all the power and performance of an online point.

www.saltosystems.com

TECHNICAL SPECIFICATIONS: XS4 ONE Ex7xx

SALTO
inspired access



(*) Optional

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TECHNICAL DATA:

Housing dimensions (H x W x D):	285,0 x 42,0 x 19,5 mm
Weight:	1,5 kg
Handle rotation:	Max. 45°
Door thicknesses:	32 mm - 120 mm
Distance from the handle to the cylinder	47 mm - 110 mm
Square spindles:	7 mm, 7,6 mm split, 8 mm, 8 mm split, 9 mm, 9 mm split
Power source:	3 AAA batteries (LR03 1,5V)
Number of openings	40.000 - 60.000 depending on the technology
Maximum events on lock audit	2 250 (SVN standalone mode) 1 850 (SVN BLUEnet mode) 1 450 (SALTO KS mode)
Environmental conditions Outdoor	+5 °C / +50 °C without condensation, optional -20 °C / +50 °C
Environmental conditions Indoor	+5 °C / +50 °C. without condensation.
IP class:	IP53 (optional IP55 for external escutcheon)
Certifications:	CE, FCC/IC, RCM, EAC, IMDA EN1906 EN 179, EN 1634-1 (Ei60, E260, E90) PAS24 (optional)

ID TECHNOLOGIES:

MIFARE:*	•
Bluetooth LE:	•
NFC:	•
Legic:**	—
HID iClass® Seos™:	•
Picopass:	—

* MIFARE® (DESFire EV2, Classic, Plus, Ultralight C).

** Legic Prime and Legic Advant

TECHNOLOGY PLATFORMS:**SALTO SPACE:**

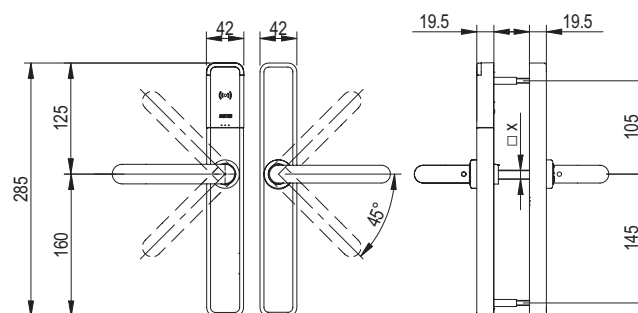
Smile - Selfprogrammable	—
ROM	•
SVN data-on-card	•
Wireless (SALTO RFnet)	—
Wireless (SALTO BLUEnet)	•

SALTO KS:

SALTO KS:	•
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SALTO SALLIS:

SALLIS:	—
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TECHNICAL DRAWING:**OPENING MODES:**

Standard:	•
Office mode:	•
Timed office:	•
Automatic opening:	•
Automatic opening + office	•
Toggle:	•
Timed Toggle:	•
Amok mode:	—
Exit leaves open mode:	•
Pin code / Keypad:	—

OPTIONS:**Reader colour:**

Black:	•
White:	•

Faceplate finish:

IM Satin stainless steel:	•
IP Bright stainless steel:	•
PP PVD bright brass type:	•
PM PVD satin brass type:	•
NE Black chromium:	•
BC BioCote anti-microbial:	•
DB Dark Bronze:	•

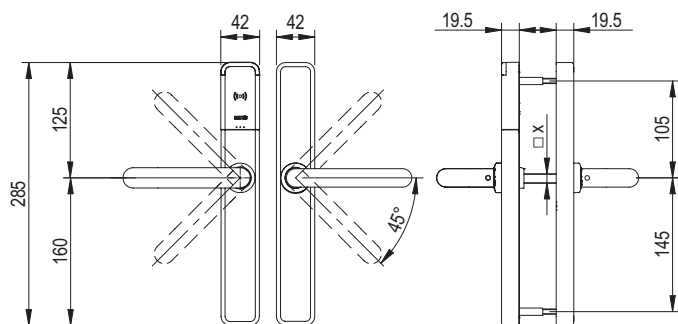
Handles

Compatible handles*	U, L, W, H, S, B, P, J, T, Y, Z, O, N, G, K, 2, 3, 4, 7, 5
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* Not all the handles are available in all finishes.

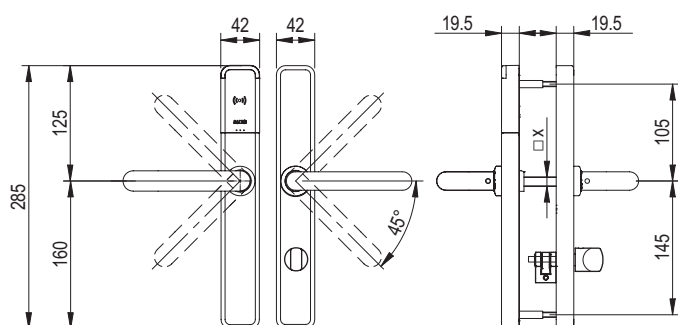
MODELS:**Ex750:**

2 handles any type.

**Ex751:**

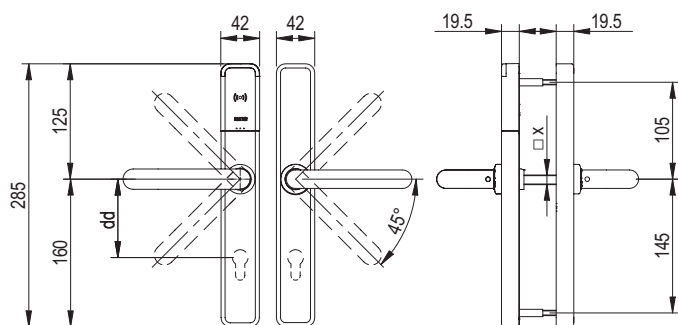
2 handles any type.

Inside thumbturn.

**Ex752 / Ex753 / Ex754**

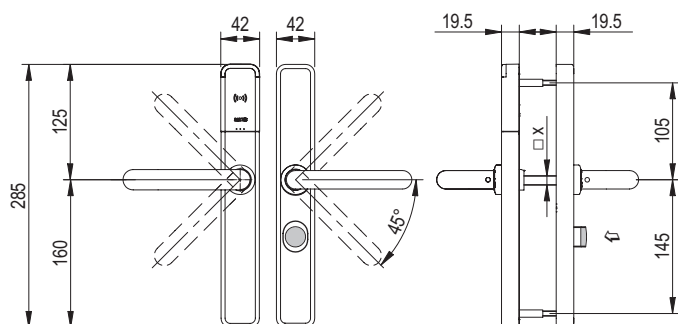
2 handles any type.

Inside (models 52 / 53) / (models 54) Outside cylinder cut out.

**Ex756:**

2 handles any type.

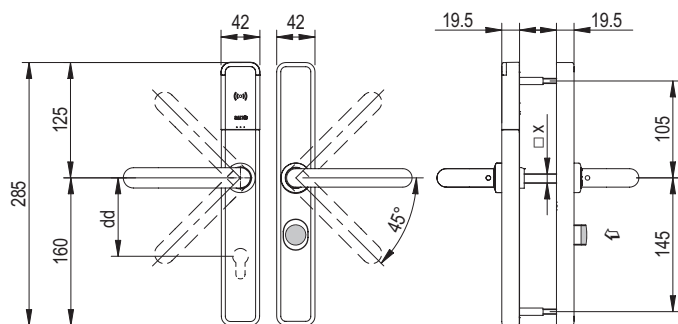
Electronic "do not disturb" system (Not available in selfprogrammable).

**Ex757:**

2 handles any type.

• Outside cylinder cut out.

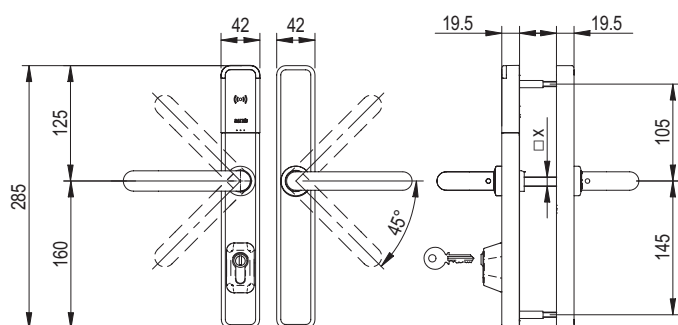
• Electronic "do not disturb" system (Not available in self-programmable).

**Ex7P0:**

2 handles any type.

• Built in mechanical override with audit.

(Ex4P0 reference: Euro profile cylinder 30-10).

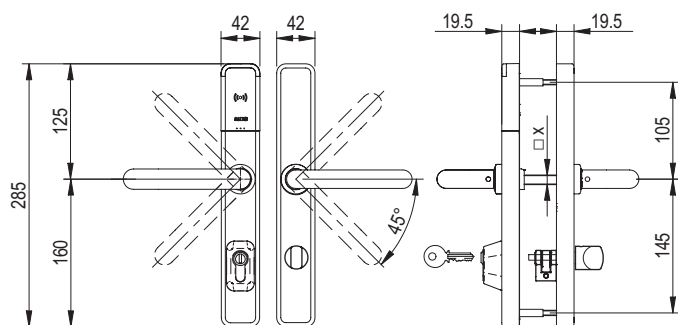
**Ex7P1:**

• 2 handles any type.

• Inside thumbturn.

• Built in mechanical override with audit.

(Ex4P1 reference: Euro profile cylinder 30-10).

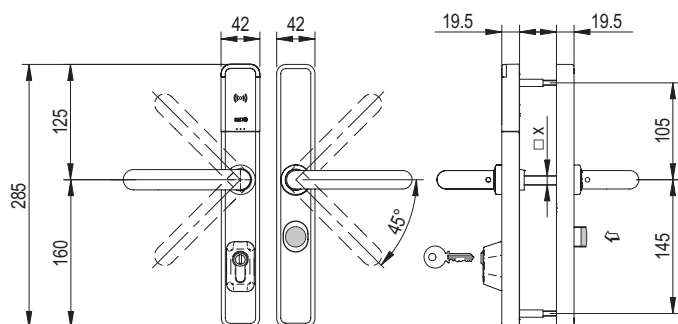
**Ex7P6:**

• 2 handles any type.

• Electronic "do not disturb" system

• Built in mechanical override with audit.

(Ex4P6 reference: Euro profile cylinder 30-10).



//DATASHEET

XS4 2.0 CONTROLLER

Cutting-edge design + Amazing technology:

The SALTO XS4 2.0 Controller incorporates the cutting edge design standard of the XS4 2.0 product range in this technological powerhouse.

XS4 2.0 CONTROLLER CU42xx

SALTO
inspiredaccess



SALTO XS4 2.0 CONTROLLER ONLINE

SALTO's latest Control Unit makes it even easier to bring superior access control to your facility thanks to the ability to control and manage multiple doors through one Ethernet connection and one IP address.

This means that extending SALTO access control benefits to all those doors where a stand-alone electronic escutcheon cannot be fitted (electric strikes, magnets, barriers, elevators, etc.) is even easier and more cost-effective.

XS4 2.0 CONTROLLER: ONLINE

CU42E0



MAIN FEATURES:

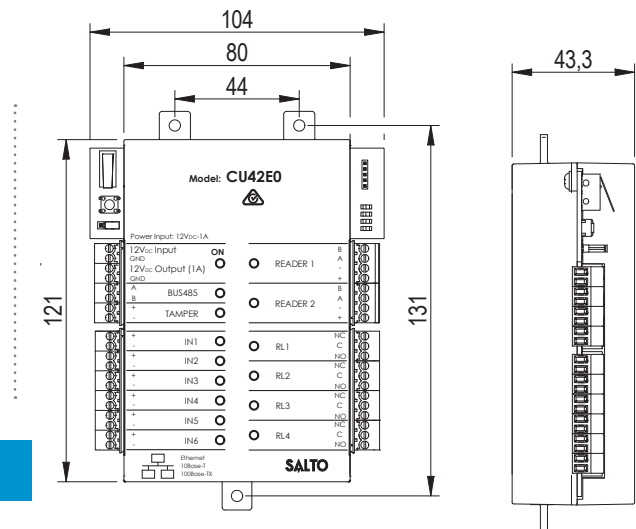
- Online IP based door controller.
- Two wall reader connection that can be configured as 2 different doors or one door reader in and reader out locking.
- Antipass-back mode available by connecting 2 wall readers and set up as one door.
- 4 relay outputs.
- 6 inputs to connect to:
 - Door detector, request to exit switch (RTE), office switch.
- 2 different tampers:
 - one tamper input
 - and one tamper switch.
- Door monitoring and tamper monitoring via contacts input (intrusion alarm and door left opened alarm).

MECHANICAL ASPECTS:

- Dimensions: 104mm x 131mm x 43,3mm (W x H x D).
- Weight: 0.5kg.

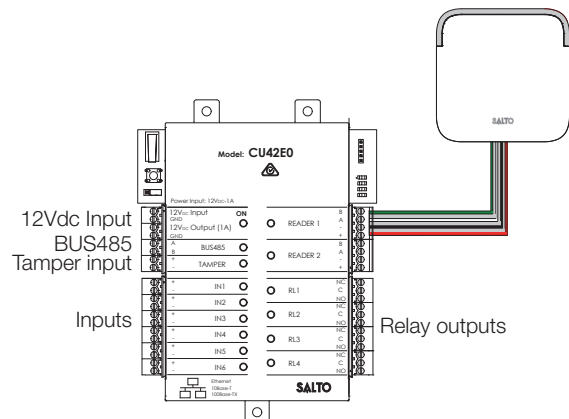
CERTIFICATIONS:

- CE conform
- UL 294
- FCC certified



- To be used with all SALTO XS4 2.0 Readers (WRDBxxx and WRMBxxx series).
- Virtual network capable through SALTO Virtual Network technology.
- All communications between the carrier and the wall reader are encrypted and secure².
- The maximum cable length between the door controller and the wall reader is up to 400 meters³.
- Connection to the wall reader using 4 wire connection, twisted pair.
- Power consumption: 12V DC 400mA (without XS4 2.0 readers), supplied by an adaptor.

INSTALLATION:



¹ Not available yet.

² Depending on the card and the RFID technology

³ Depending on the cable.

SALTO XS4 2.0 CONTROLLER ONLINE WITH HOUSING

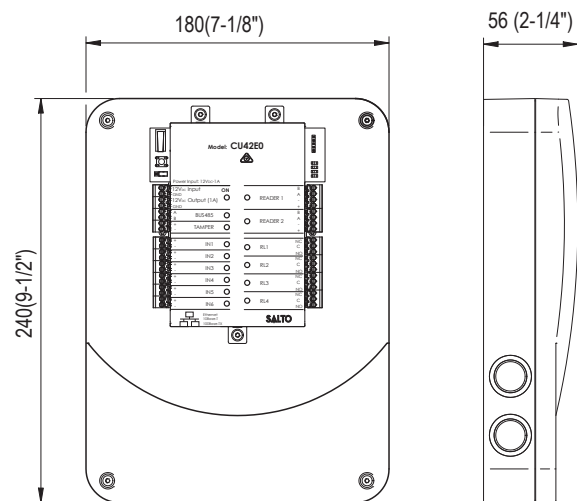
SALTO's latest Control Unit makes it even easier to bring superior access control to your facility thanks to the ability to control and manage multiple doors through one Ethernet connection and one IP address.

This means that extending SALTO access control benefits to all those doors where a stand-alone electronic escutcheon cannot be fitted (electric strikes, magnets, barriers, elevators, etc.) is even easier and more cost-effective.

With the new XS4 2.0 Controller Online with Housing it is easier to install and it enhanced the aesthetic and sturdiness.

XS4 2.0 CONTROLLER: ONLINE WITH HOUSING

CU42E0x



MAIN FEATURES:

- Online IP based door controller.
- Two wall reader connection that can be configured as 2 different doors or one door reader in and reader out locking.
- Antipass-back mode available by connecting 2 wall readers and set up as one door.
- 4 relay outputs.
- 6 inputs to connect to:
 - Door detector, request to exit switch (RTE), office switch.
- 2 different tamper inputs:
 - one tamper input
 - and one tamper switch.
- Door monitoring and tamper monitoring via contacts input (intrusion alarm and door left opened alarm).
- Can be used with all SALTO XS4 2.0 Readers (WRDBxxx and WRMBxxx series).
- Virtual network capable through SALTO Virtual Network technology.
- All communications between the carrier and the wall reader are encrypted and secure².
- The maximum cable length between the door controller and the wall reader is up to 400 meters³.
- Connection to the wall reader using 4 wire connection, twisted pair.
- Power consumption: 12V DC 400mA (without XS4 2.0 readers), supplied by an adaptor.
- 2 different Housing finishes translucent or grey opac.
- 8 pre-punched holes to fit the wiring.
- Screws and caps included.

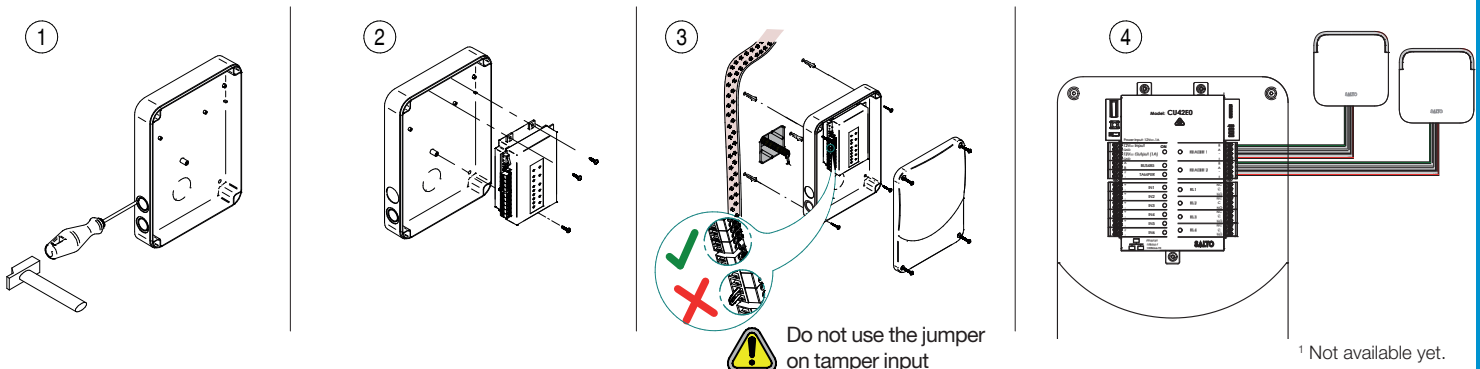
MECHANICAL ASPECTS:

- Dimensions: 180mm x 240mm x 56mm (W x H x D).
- Weight: 0.7kg.

CERTIFICATIONS:

- CE conform
- UL 294
- FCC certified

INSTALLATION:



¹ Not available yet.

² Depending on the card and the RFID technology

³ Depending on the cable.

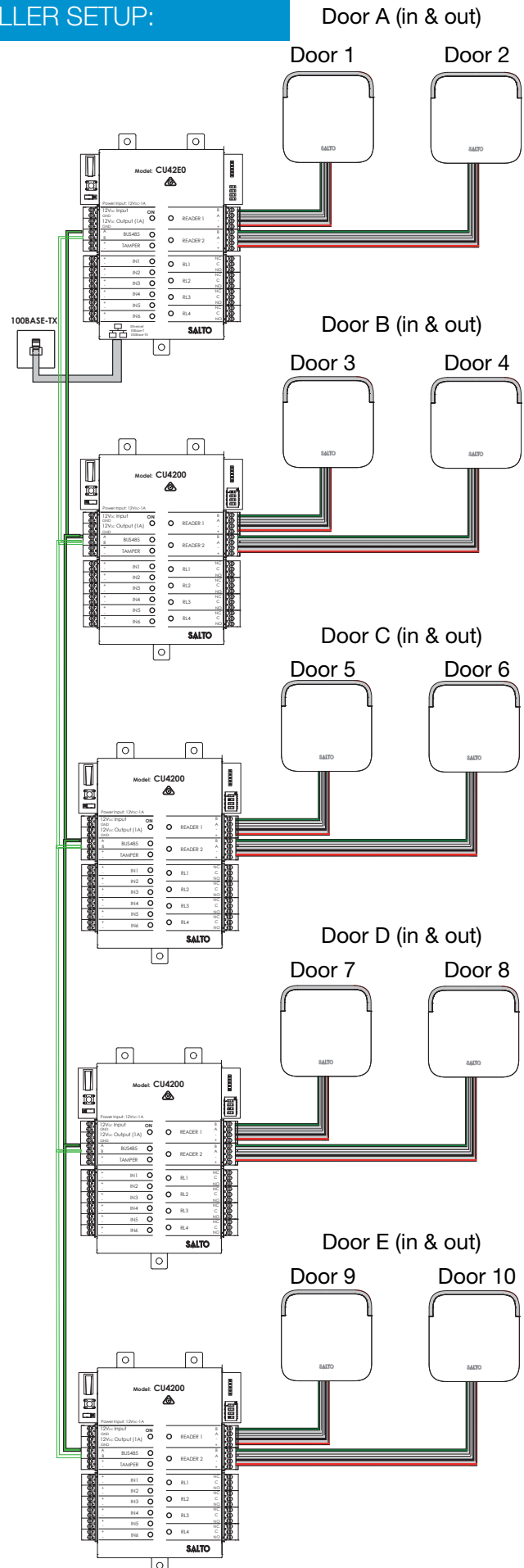
XS4 2.0 CONTROLLER - ONLINE DOOR CONTROLLER SETUP:

ONLINE CONTROLLER (CU42E0):

- Connection with the server via Ethernet 100BASE-TX or 10Base-T.
 - Requires one IP address.
 - Initialization via Ethernet online connection.
 - Set up through SALTO ProAccess SPACE software.
 - Set up:
 - As One door (reader in & reader out).
 - Two doors (reader one - door one, reader two - door two).
- Supports up to 4 auxiliar controllers (CU4200).
- One IP address needed to control up to 10 doors.

ONLINE AUXILIAR CONTROLLER (CU4200):

- Connection with the online controller (CU42E0) via BUS485.
- Do not requires IP address.
- Initialization via Ethernet online connection.
- Set up through SALTO ProAccess SPACE software.
- Set up:
 - As One door (reader in & reader out).
 - Two doors (reader one - door one, reader two - door two).



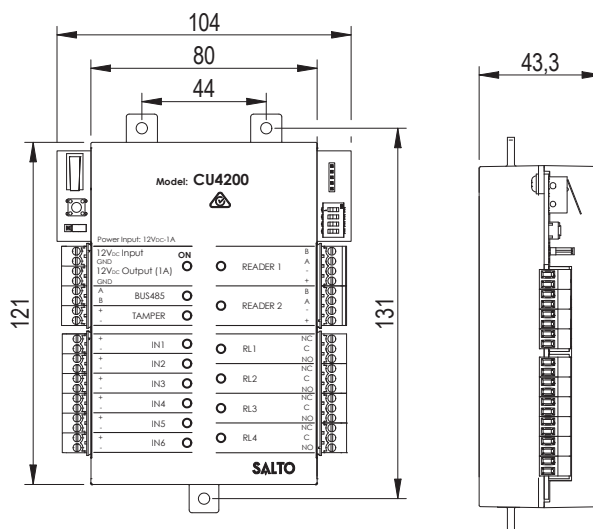
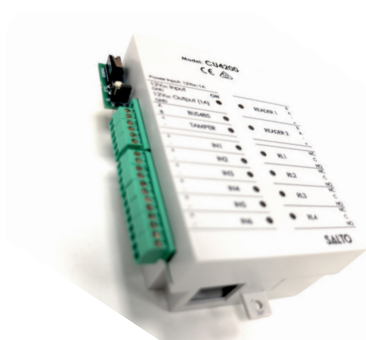
SALTO XS4 2.0 AUXILIAR OR OFFLINE CONTROLLER

SALTO's latest Control Unit makes it even easier to bring superior access control to your facility thanks to the ability to control and manage multiple doors through one Ethernet connection and one IP address.

The New SALTO XS4 2.0 Controller CU4200 is an auxiliar controller that do not requires an IP address and can be set up as an auxiliar controller connected to an XS4 online controller (CU42E0) or can work as offline controller reducing the costs of installation keeping all the advantages of the SALTO Data-on-card technology.

XS4 2.0 CONTROLLER: AUXILIAR OR OFFLINE

CU4200

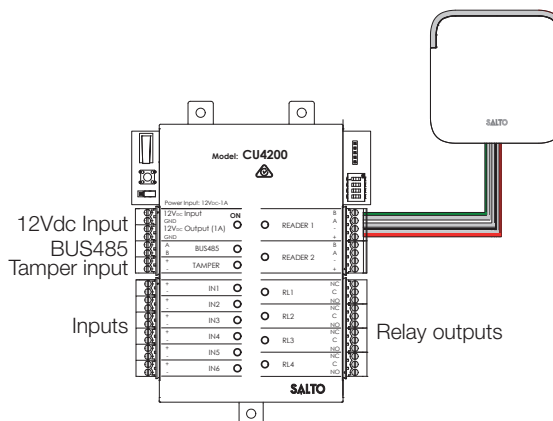


MAIN FEATURES:

- Two wall reader connection that can be configured as 2 different doors¹, or one door reader-in and reader-out locking if set up as offline and programmed via PPD.
- Antipass-back mode available by connecting 2 wall readers and set up as one door.
- 4 relay outputs.
- 6 inputs to connect to:
 - Door detector, request to exit switch (RTE), office switch.
- 2 different tampers:
 - One tamper input,
 - and one tamper switch.
- Door monitoring and tamper monitoring via contacts input (intrusion alarm and door left opened alarm)².

- o be used with all SALTO XS4 2.0 Readers (WRDBxxx and WRMBxxx series).
- Virtual network capable through SALTO Virtual Network technology.
- All communications between the carrier and the wall reader are encrypted and secure⁴.
- The maximum cable length between the door controller and the wall reader is up to 400 meters⁵.
- Connection to the wall reader using 4 wire connection, twisted pair.
- Power consumption: 12V DC 400mA (without XS4 2.0 readers), supplied by an adaptor.

INSTALLATION:



MECHANICAL ASPECTS:

- Dimensions: 104mm x 131mm x 43,3mm (W x H x D).
- Weight: 0.5kg.

CERTIFICATIONS:

- CE conform
- UL 294
- FCC certified

¹If the controller is set up as an auxiliar controller and conncted to a CU42E0 by BUS485

² If connected to an online CU42E0or via audit trail if offline.

³ Not available yet.

⁵ Depending on the card and the RFID technology

⁵ Depending on the cable.

SALTO XS4 2.0 AUXILIAR OR OFFLINE CONTROLLER WITH HOUSING

SALTO's latest Control Unit makes it even easier to bring superior access control to your facility thanks to the ability to control and manage multiple doors through one Ethernet connection and one IP address.

The New SALTO XS4 2.0 Controller CU4200 is an auxiliar controller that do not requires an IP address and can be set up as an auxiliar controller connected to an XS4 online controller (CU42E0) or can work as offline controller reducing the costs of installation keeping all the advantages of the SALTO Data-on-card technology.

With the new XS4 2.0 Auxiliar Controller with Housing it is easier to install and it enhanced the aesthetic and sturdiness.

XS4 2.0 CONTROLLER: AUXILIAR OR OFFLINE WITH HOUSING

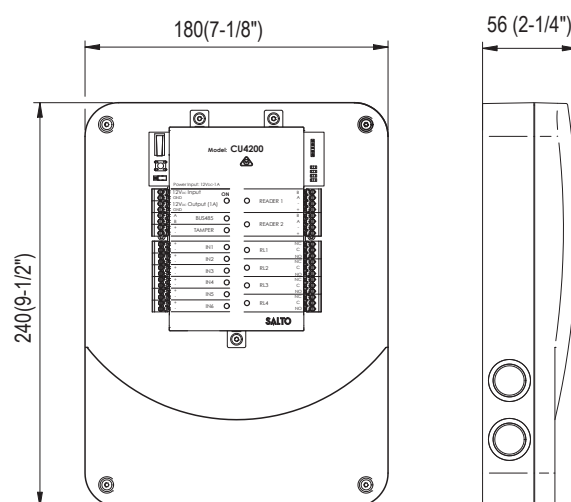
CU4200x



CU4200T



CU4200G



MAIN FEATURES:

- Two wall reader connection that can be configured as 2 different doors¹, or one door reader-in and reader-out locking if set up as offline and programmed via PPD.
- Antipass-back mode available by connecting 2 wall readers and set up as one door.
- 4 relay outputs.
- 6 inputs to connect to:
 - Door detector, request to exit switch (RTE), office switch.
- 2 different tamper:
 - One tamper input,
 - and one tamper switch.
- Door monitoring and tamper monitoring via contacts input (intrusion alarm and door left opened alarm)².
- o be used with all SALTO XS4 2.0 Readers (WRDBxxx and WRMBxxx series). Virtual network capable through SALTO Virtual Network technology.
- All communications between the carrier and the wall reader are encrypted and secure⁴.
- The maximum cable length between the door controller and the wall reader is up to 400 meters⁵.
- Connection to the wall reader using 4 wire connection, twisted pair.
- Power consumption: 12V DC 400mA (without XS4 2.0 readers), supplied by an adaptor.
- 2 different Housing finishes translucent or grey opac.
- 8 pre-punched holes to fit the wiring.
- Screws and caps included.

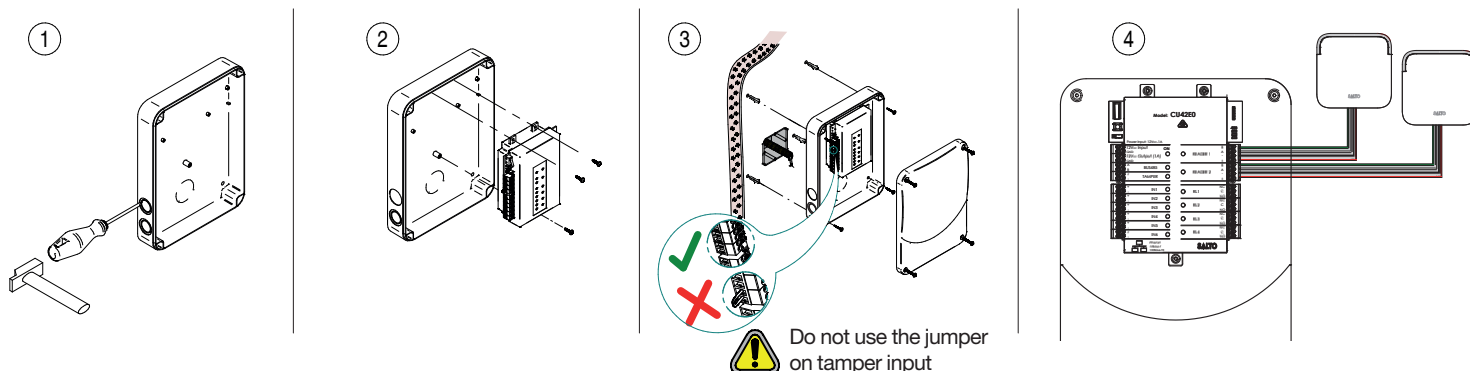
MECHANICAL ASPECTS:

- Dimensions: 180mm x 240mm x 56mm (W x H x D).
- Weight: 0.7kg.

CERTIFICATIONS:

- CE conform
- UL 294
- FCC certified

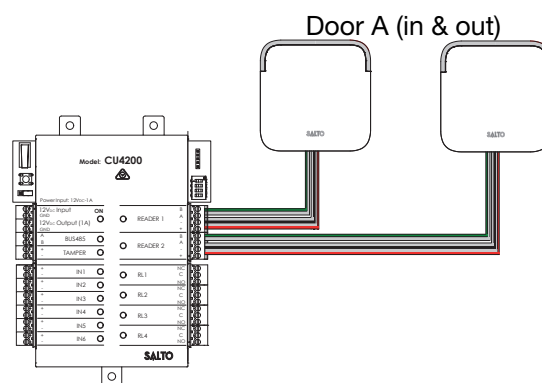
INSTALLATION:



XS4 2.0 CONTROLLER - AUXILIAR OR OFFLINE DOOR CONTROLLER SETUP:

OFFLINE AUXILIAR CONTROLLER (CU4200):

- No online connection.
- Do not requires IP address.
- Initialization via PPD connection with the 3 pin cables directly to the controller or via PPD contactless through the wall reader.
- Set up through SALTO ProAccess SPACE software.
- Set up: as one door (reader in & reader out).
- Access plan update via SALTO Virtual Network capabilities. user access plan and blacklist (list of users card cancelled) is transmitted via the Data-on-card technology.



ACCESS CONTROL FEATURES:

	R&W SVN
Maximum number of users per door	4,000,000
Maximum number of doors per system	64,000
Maximum events on controller audit	5,000
Time zones	256
Automatic changes tables in system	1,024
Calendars in system	256
Access levels in system	unlimited
Zones in system	1,024
Management software	ProAccess SPACE

SALTO VIRTUAL NETWORK CAPABILITIES

- Add or delete access privileges at will to the ID carriers.
- The ability to validate the expiry date of key cards on any SVN Online wall reader.
- Add security through additional authenticated validation procedures including pin codes as well the ability to blacklist cards from the system.
- On card audit-trailing to track staff or visitor movement.
- Lock specific battery power data is registered on any card using the lock - staff or visitor - and transferred back to the PC control software via any update reader just by using the system.
- Expiry date can be extended if network connection is lost.

AVAILABLE OPENING MODES:

- **STANDARD:** Locked at all times.
- **AUTOMATIC CHANGES:** Any opening mode can be performed through logical set up of the controller.

ONLINE FEATURES FOR ONLINE CONTROLLERS

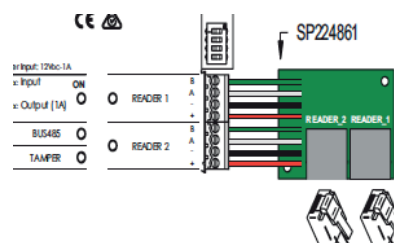
REAL-TIME ACCESS CONTROL CHANGES:

- Live monitoring of user entry and exit through the door controller.
- Live audit trail build up on the software.
- Door monitoring status for forced door and door left open alarm.
- Remote door opening from software.
- Door lock out or lock open emergency setting from software.
- The IP door controller can be included in roll call set up used, for example for user location monitoring parking controls etc
- Works as Online hub up to Online Energy Saving Devices (pending).
- Connected to standard Ethernet network.
- Works off-line if the network connection is lost.
- Communications between the SALTO Service /online controller and auxiliary controller is secured and encrypted by AES 128 encryption.
- Invalidates deleted cards.

ACCESSORIES:

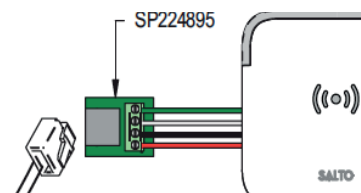
Model SP224861

Connecting circuit RJ45 cable adaptor for CU42E0 or CU4200.



Model SP224895

Connecting circuit adaptor for RJ45 cable for WRDBxxx series.



Datasheet-XS4CU42xx_ENG_09_15

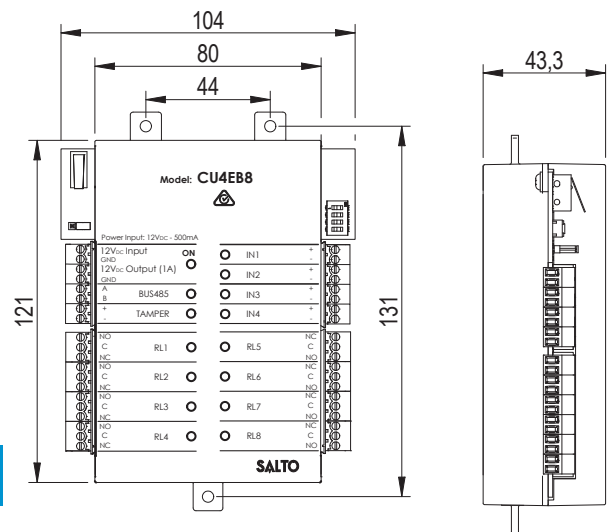
SALTO XS4 2.0 INPUT / OUTPUT EXPANSION UNIT

The new input / output expansion unit - CU4EB8 - is a device which, when connected to CU4200 door controllers, provides the option to manage multi relay switchable output systems such as elevator floor level access, multi shutter and barrier systems, machine switching and more.

When connected to an online device this expansion board permits to trigger alarms through the inputs and generate alarms or even logical actions through the SALTO ProAccess SPACE software.

XS4 2.0 CONTROLLER: I/O EXPANSION UNIT.

CU4EB8



MAIN FEATURES:

- Input and output board managed by the controller.
- Configurable by PPD.
- Upto 16 Expansion units can be connected to one controller
- To be used with XS4 2.0 Controller CU4200.
- 4 Automatic output.
- Fully integrated with the SALTO ProAccess Alarms and communication module permitting to use the inputs to trigger any event.

MECHANICAL ASPECTS:

- Dimensions: 104mm x 131mm x 43,3mm (W x H x D).
- Weight: 0.5kg.

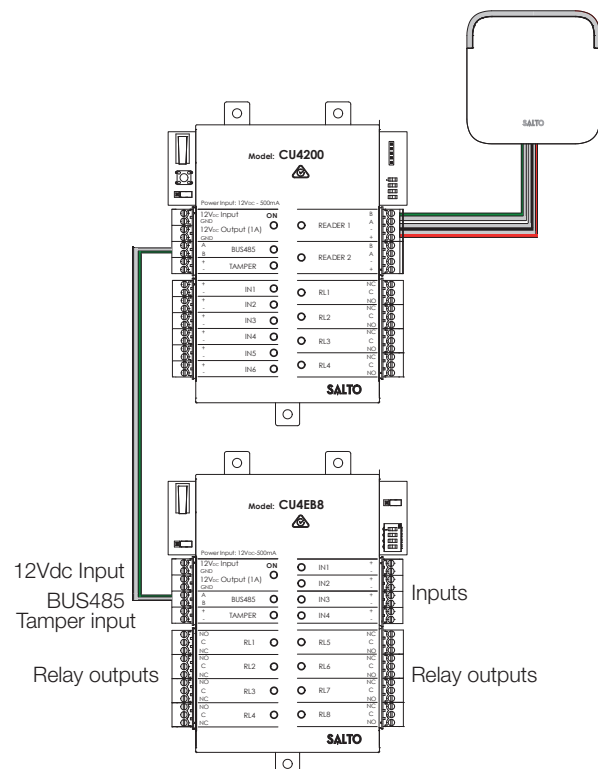
TECHNICAL CHARACTERISTICS:

- Connection to the controller through BUS485.
- 8 relay outputs.
- 4 inputs (not used in offline mode)
- 2 different tamper:
 - 1 tamper input
 - 1 tamper switch.
- The maximum cable length between the first and the last expansion unit on the RS485 BUS is 300 meters.
- Connection to the controller using 4 wire connection, twisted pair (AWG24).
- Power consumption: 12V DC 400mA, supplied by an adaptor.
- Maximum output relay load: 2A-30Vdc (resistive load)

CERTIFICATIONS:

- CE conform

INSTALLATION:



SALTO XS4 2.0 INPUT / OUTPUT EXPANSION UNIT WITH HOUSING

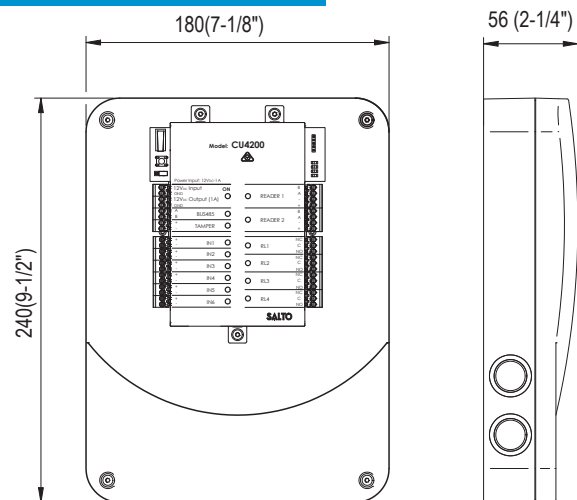
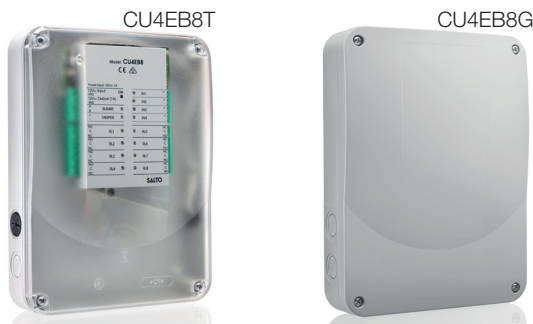
The new input / output expansion unit - CU4EB8 - is a device which, when connected to CU4200 door controllers, provides the option to manage multi relay switchable output systems such as elevator floor level access, multi shutter and barrier systems, machine switching and more.

When connected to an online device this expansion board permits to trigger alarms through the inputs and generate alarms or even logical actions through the SALTO ProAccess SPACE software.

With the new XS4 2.0 Input / output expansion unit with Housing it is easier to install and it enhanced the aesthetic and sturdiness.

XS4 2.0 CONTROLLER: I/O EXPANSION UNIT WITH HOUSING

CU4EB8x



MAIN FEATURES:

- Input and output board managed by the controller.
- Configurable by Software in online mode or by PPD in offline mode.
- Can be connected to 15 additional I/O Boards.
- To be used with XS4 2.0 Controller CU42E0 or CU4200.
- 4 Automatic output.
- 2 different Housing finishes translucent or grey opac.
- 8 pre-punched holes to fit the wiring.
- Screws and caps included.
- Fully integrated with the SALTO ProAccess Alarms and communication module permitting to use the inputs to trigger any event.

MECHANICAL ASPECTS:

- Dimensions: 180mm x 240mm x 56mm (W x H x D).
- Weight: 0.7kg.

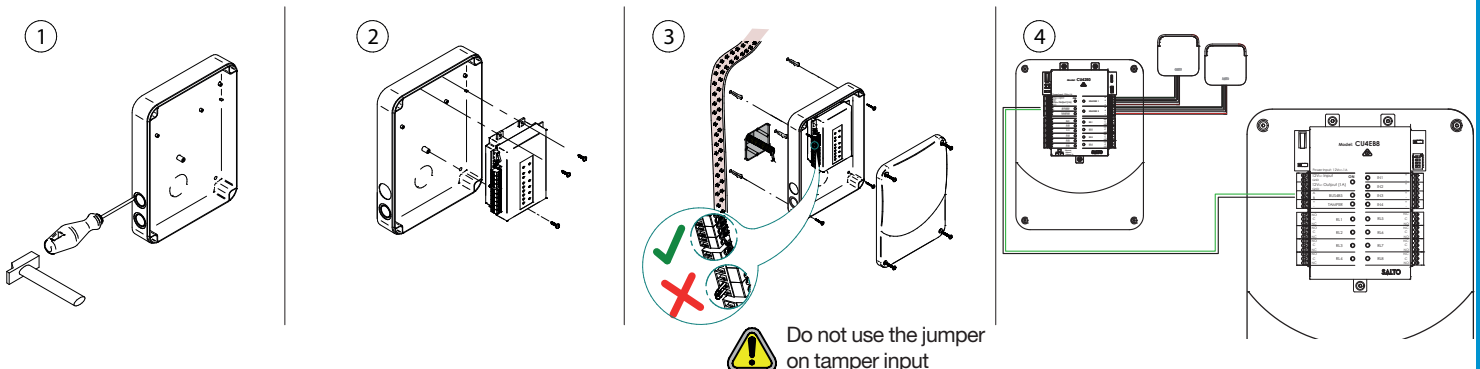
CERTIFICATIONS:

- CE conform

TECHNICAL CHARACTERISTICS:

- Connection to the controller through BUS485.
- 8 relay outputs.
- 4 inputs (not used in offline mode)
- 2 different tamper:
 - 1 tamper input
 - 1 tamper switch.
- The maximum cable length between the first and the last expansion unit on the RS485 BUS is 300 meters.
- Connection to the controller using 4 wire connection, twisted pair (AWG24).
- Power consumption: 12V DC 400mA, supplied by an adaptor.
- Maximum output relay load: 2A-30Vdc (resistive load)

INSTALLATION:



DS-KD9633-WBE6

Video Intercom Face Recognition Door Station

HIKVISION



Key Feature

- Aluminum frame with anodizing processing and ultra thin fuselage
- 2.5D curved 10.1-inch IPS touch screen
- Higher protection level, IP65 & IK07
- Multiple authentication ways
- Optional sub module

Specification

System parameters	
Operating system	Android 7.1
ROM	4 GB
RAM	2 GB
CPU	Embedded Processor
Display parameters	
Screen size	10.1-inch
Operation method	Touch screen
Type	Colorful IPS
Resolution	1280 × 800
Video parameters	
Video standard	H.264
Supplement light	Low illumination, IR supplement lights
Lens	Low illumination 2 x 2 MP HD colorful camera
FOV	Horizontal: 88° , Vertical: 44°
WDR	Support
Resolution	2 MP

Audio parameters	
Audio compression standard	G.711 U, G.711 A
Audio input	Built-in omnidirectional microphone
Audio output	Built-in loudspeaker
Audio compression bitrate	64 Kbps
Audio quality	Noise suppression and echo cancellation
Volume adjustment	Adjustable
Capacity	
Fingerprint capacity	/
User capacity	20000
Card capacity	100000
Face capacity	10000
Linked indoor station capacity	500
Event capacity	/
Sub door station capacity	16
Network parameters	
Communication protocol	TCP/IP, RTSP
Wired network	10/100/1000 Mbps self-adaptive Ethernet
Wi-Fi	Reserved
Bluetooth	Reserved
3G/4G	/

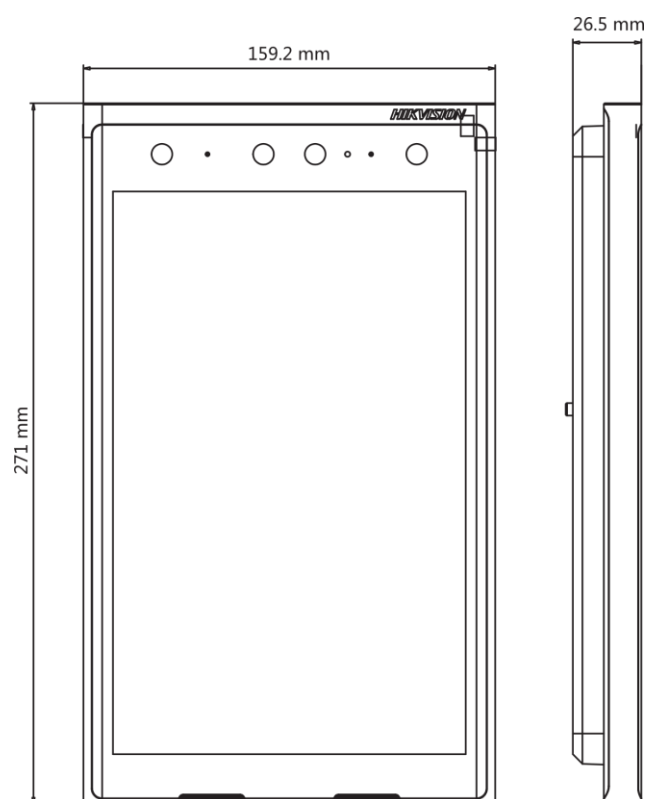
Authentication	
Card reading frequency	13.56 MHz
Device interfaces	
Alarm input	4 (2 exit buttons and 2 door contacts by default)
TAMPER	1
Network interface	2 RJ45 (1 reserved)
Exit button	2 (1 for lock control and 1 for DS-K2M060 relay control)
RS-485	2 (1 for Hikvision's card reader or elevator controller and 1 for DS-K2M060 by default)
USB	2 for internal use only
Wiegand	/
TF card	1 (reserved)
Alarm output	2 (reserved)
Lock control	2 (1 relay and 1 RS-485 to control the DS-K2M060)
Door contact input	1
Power interface	1
General	
Installation	Surface mounting & flush mounting
Indicator	0
Weight	1.265 kg
Protective level	IP65, IK07
Working temperature	-30° C to 60° C (-22° F to 140° F)
Working humidity	10% to 90%
Dimensions	271 mm × 159.2 mm × 26.5 mm (10.7" × 6.3" × 1")
Battery	/
Power supply	12 VDC, 2 A
Application environment	Outdoor
Power consumption	≤ 18 W

Language	English, French, Portuguese, Brazilian Portuguese, Spanish, Russian, German, Italian, Polish, Turkish, Vietnamese, Arabic, Czech, Hungarian, Dutch, Romanian, Bulgarian, Ukrainian, Croatian, Serbian, Greek, Lithuanian, Estonian, Latvian, Norwegian, Danish, Slovakia, Hebrew, Swedish, Finnish, TraChinese, Mongolian, HongKongTraChinese
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Available Model

DS-KD9633-WBE6

Dimension



Headquarters

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www.hikvision.com



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DS-KH8520-WTE1 Indoor Station



- IP indoor station
- 10" Touch-Screen Indoor Station
- Wi-Fi, standard PoE/ 12 VDC
- TF card, max 32G, Stores messages and pictures
- 8-ch alarm input, 2 alarm output, 1x485
- Remote unlocking via the client or the APP
- Views live videos of door stations and linked cameras

▪ Specification

System parameters	
Operation system	Linux
ROM	32 MB
RAM	128 MB
Processor	Embedded high performance processor
Display parameters	
Screen size	10.1-inch
Operation method	Capacitive touch screen
Type	Colorful TFT
Resolution	1024 × 600
Video parameters	
Lens	/
Resolution	/
FOV	/
Wide dynamic range (WDR)	/
Video compression standard	/
Focal length	/
Audio parameters	
Audio input	1 built-in omnidirectional microphone
Audio compression standard	G.711U/G.711A
Audio output	1 built-in loudspeaker
Audio compression bitrate	64 Kbps
Audio quality	Noise suppression and echo cancellation
Volume adjustment	Adjustable
Capacity	
Notice capacity	200
Linked network camera capacity	16
Linked indoor extensions capacity	16
Linked doorphone capacity	17
Network parameters	
Network protocol	TCP/IP, SIP, RTSP
Wi-Fi	2.4 GHz, IEEE802.11b, IEEE802.11g, IEEE802.11n
Bluetooth	/
3G/4G	/
Zigbee	/
Device interfaces	
Alarm input	8
Network interface	1 RJ-45 10/100 Mbps self-adaptive
TAMPER	/
RS-485	1 RS-485 (Half duplex)
USB	/
TF card	Support TF card, up to 128 G

Alarm output	2
Lock control	2 relays, Max. 30 VDC 0.3 A
General	
Button	/
Installation	Surface mounting
Indicator	/
Weight	Net weight: 660 g (1.5 lb) Gross weight: 1118 g (2.5 lb)
Protective level	/
Working temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working humidity	10% to 90% (no-condensing)
Dimension (W × H × D)	254 mm × 166 mm × 22.55 mm (10.0" × 6.5" × 0.89")
Battery	/
Application environment	Indoor
Power consumption	≤ 5 W
Language	English, Russian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese (Brazil), Spanish, Hebrew, Romanian, Turkish, Estonian, Danish, Swedish, Norwegian, Finnish, Vietnamese, Croatian, Slovenian, Serbian, Arabic, Portuguese (Portugal), Lithuanian, Uzbek, Kazakh, Mongolian, Ukrainian

▪ Available Model

DS-KH8520-WTE1

▪ Accessory

▪ Optional

DS-KABH6320-T Indoor Station Table Bracket



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DS-2CD2347G2-LSU/SL**4 MP ColorVu Strobe Light and Audible Warning Fixed Turret Network Camera****ColorVu**

Hikvision ColorVu technology provides 24/7 vivid colorful images with F1.0 advanced lenses and high performance sensors. F1.0 super-aperture collects more light to produce brighter images. Advanced sensor technology can vastly improve the utilization of available light.

- High quality imaging with 4 MP resolution
- Efficient H.265+ compression technology
- Clear imaging against strong backlight due to 130 dB WDR technology
- Focus on human and vehicle targets classification based on deep learning
- 24/7 colorful imaging
- Active strobe light and audio alarm to warn intruders off
- Provide real-time security via built-in two-way audio
- Audio and alarm interface available
- Water and dust resistant (IP67)



▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with white light
Shutter Time	1/3 s to 1/100,000 s
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°
Lens	
Focal Length & FOV	2.8 mm, horizontal FOV 111.9°, vertical FOV 60.5°, diagonal FOV 133.6° 4 mm, horizontal FOV 95.2°, vertical FOV 50.6°, diagonal FOV 114.7°
Lens Mount	M16
Iris Type	Fixed
Aperture	F1.0
Depth of Field	2.8 mm: 3.1 m to ∞ 4 mm: 5.4 m to ∞
DORI	
DORI	2.8 mm, D: 58.2 m, O: 23.1 m, R: 11.6 m, I: 5.8 m 4 mm, D: 77 m, O: 30.5 m, R: 15.4 m, I: 7.7 m
Illuminator	
Supplement Light Type	White light
Supplement Light Range	Up to 30 m
Smart Supplement Light	Yes
Video	
Main Stream	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings.
Video Compression	Main stream: H.265/H.264/H.265+/H.264+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 *Third stream is supported under certain settings.
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR/VBR
Scalable Video Coding (SVC)	H.265 and H.264 encoding
Region of Interest (ROI)	1 fixed region for main stream and sub-stream
Audio	
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz

Environment Noise Filtering	Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, ARP
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR), MicroSD/SDHC/SDXC card (256 GB) local storage Together with high-end Hikvision memory card, memory card encryption and health detection are supported
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE 10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+
Image	
Image Parameters Switch	Yes
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
Day/Night Switch	Auto, Schedule
Wide Dynamic Range (WDR)	130 dB
SNR	≥ 52 dB
Image Enhancement	BLC, HLC, 3D DNR
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/SDHC/SDXC slot, up to 256 GB
Built-in Microphone	Yes
Built-in Speaker	1.2 W, 10 cm: 95 dB
Audio	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm	Visual alarm 1 input, 1 output (max. 24 VDC/24 VAC, 1 A)
Reset Key	Yes
Event	
Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm, exception
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggering by specified target types (human and vehicle)) Scene change detection

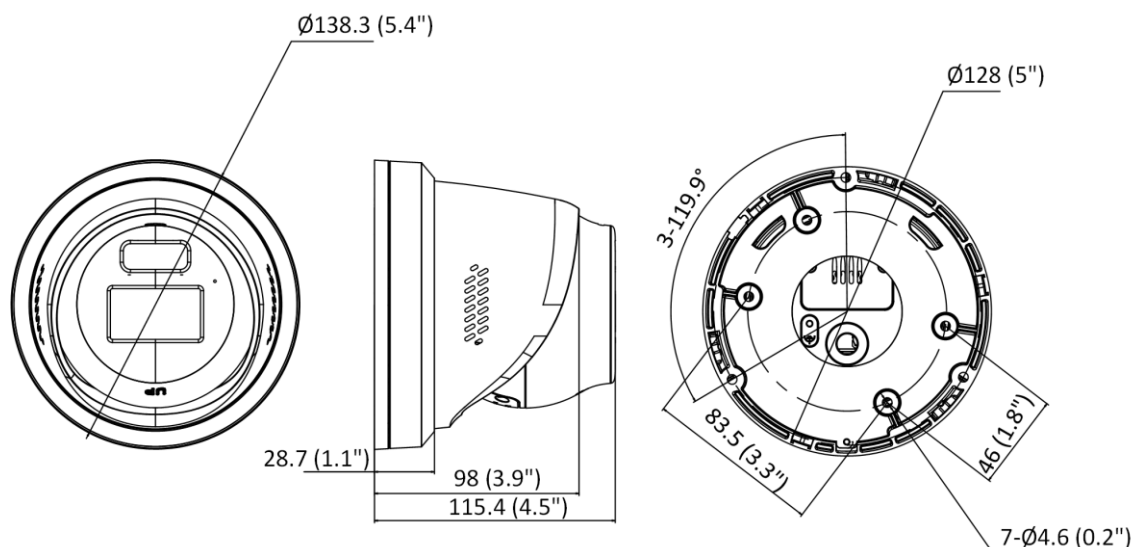
Linkage	Upload to NAS/memory card/FTP, notify surveillance center, trigger recording, trigger capture, send email, strobe light, audible warning, trigger alarm output
Deep Learning Function	
Face Capture	Yes
General	
Power	12 VDC $\pm$ 25%, 0.54 A, max. 6.5 W, $\varnothing$ 5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.22 A to 0.14 A, max. 8 W
Dimension	$\varnothing$ 138.3 mm $\times$ 115.4 mm ($\varnothing$ 5.4" $\times$ 4.5")
Package Dimension	170 mm $\times$ 170 mm $\times$ 150 mm (6.7" $\times$ 6.7" $\times$ 5.9")
Weight	Approx. 760 g (1.7 lb.)
With Package Weight	Approx. 1040 g (2.3 lb.)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Language	33 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Anti-flicker, heartbeat, mirror, privacy mask, flash log, password reset via email, pixel counter
Approval	
EMC	FCC SDoC: 47 CFR Part 15, Subpart B; CE-EMC: EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014; RCM: AS/NZS CISPR 32: 2015; IC VoC: ICES-003: Issue 6, 2016; KC: KN 32: 2015, KN 35: 2015
Safety	UL: UL 60950-1; CB: IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014; CE-LVD: EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014; LOA: IEC/EN 60950-1
Environment	CE-RoHS: 2011/65/EU; WEEE: 2012/19/EU; Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013

▪ Available Model

DS-2CD2347G2-LSU/SL (2.8/4 mm)

DS-2CD2347G2-LSU/SL (2.8 mm) (Black)

▪ Dimension



Unit: mm (inch)

▪ Accessory

▪ Optional

DS-1273ZJ-140 Wall Mount	DS-1276ZJ-SUS Corner Mount	DS-1275ZJ-SUS Vertical Pole Mount	DS-1271ZJ-140 Pendant Mount	DS-1273ZJ-140B Wall Mount
				
DS-1280ZJ-PT6 Junction Box				
				

Distributed by

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XS4 2.0 CONTROLLER

Cutting edge design & amazing technology

The SALTO XS4 2.0 Controller incorporates the cutting edge design standard of the XS4 2.0 product range in this technological powerhouse.

SALTO
inspired access

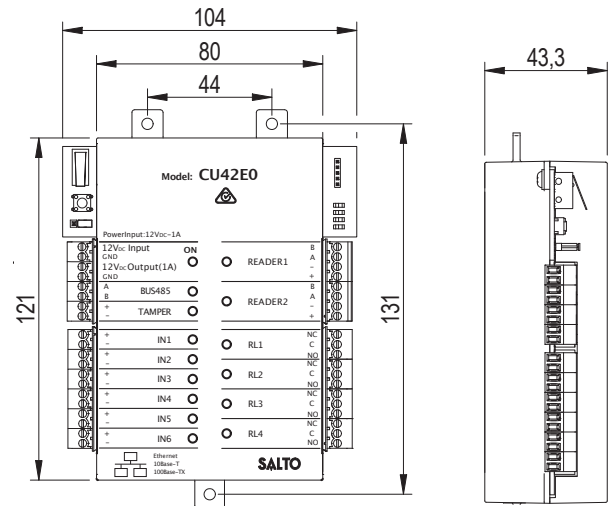


SALTO XS4 2.0 CONTROLLER ONLINE

CU42E0

SALTO's latest Control Unit makes it even easier to bring superior access control to your facility thanks to the ability to control and manage multiple doors through one Ethernet connection and one IP address.

This means that extending SALTO access control benefits to all those doors where a stand-alone electronic escutcheon cannot be fitted (electric strikes, magnets, barriers, elevators, etc.) is even easier and more cost-effective.



MAIN FEATURES

- Online IP based door controller.
- Two wall reader connection that can be configured as 2 different doors or one door reader in and reader out locking.
- Antipass-back mode available by connecting 2 wall readers and set up as one door.
- 4 relay outputs.
- 6 inputs to connect to:
 - Door detector, request to exit switch (RTE), office switch.
- 2 different tampers:
 - one tamper input
 - and one tamper switch.
- Door monitoring and tamper monitoring via contacts input (intrusion alarm and door left opened alarm).

CERTIFICATIONS:

- CE conform
- UL 294
- FCC certified

- To be used with all SALTO XS4 2.0 Readers (WRDBxxx and WRMBxxx series).
- Virtual network capable through SALTO Virtual Network technology.
- All communications between the carrier and the wall reader are encrypted and secure².
- The maximum cable length between the door controller and the wall reader is up to 400 meters³.
- Connection to the wall reader using 4 wire connection, twisted pair.
- Power consumption: 12VDC 400mA (without XS4 2.0 readers), supplied by an adaptor.

MECHANICAL ASPECTS:

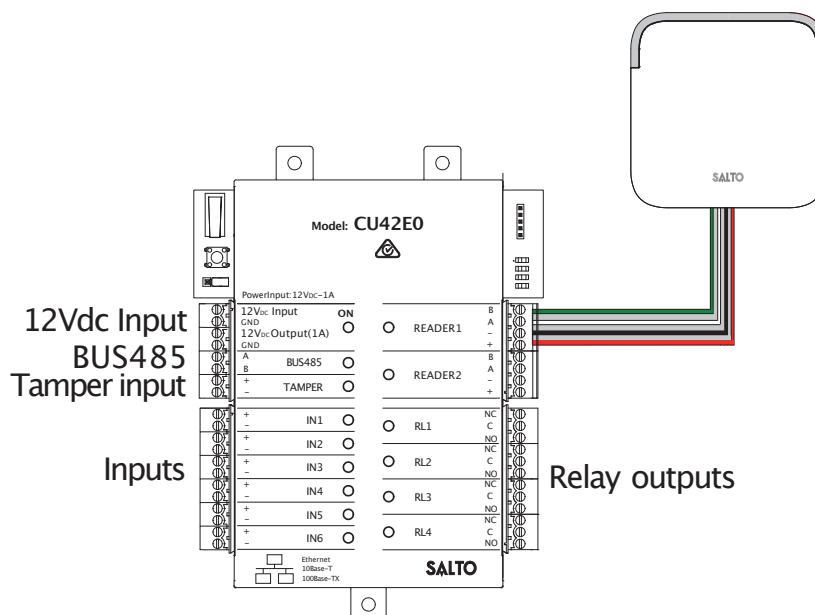
- Dimensions: 104mm x 131mm x 43,3mm (W x H x D).
- Weight: 0.5kg.

¹ Not available yet.

² Depending on the card and the RFID technology

³ Depending on the cable.

INSTALLATION

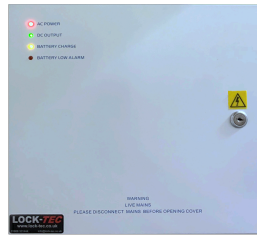


SALTO XS4 2.0 CONTROLLER ONLINE

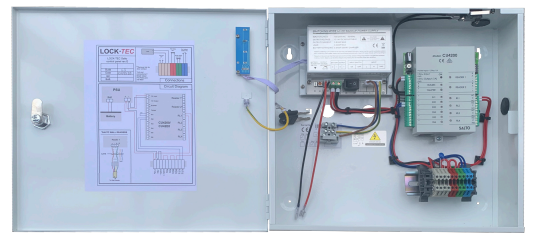
SALTO's latest Control Unit makes it even easier to bring superior access control to your facility thanks to the ability to control and manage multiple doors through one Ethernet connection and one IP address.

This means that extending SALTO access control benefits to all those doors where a stand-alone electronic escutcheon cannot be fitted (electric strikes, magnets, barriers, elevators, etc.) is even easier and more cost-effective.

FRONT



INSIDE



Supplied with a steel enclosure and powder coated white finish complete with a 3amp or 5amp switch mode power supply unit and bespoke wiring to suit many applications, the SALTO XS4 2.0 online controller supplied by LOCK-TEC is perfect for the majority of access control applications.

MAIN FEATURES

- Online IP based door controller.
- Two wall reader connection that can be configured as 2 different doors or one door reader in and reader out locking.
- Antipass-back mode available by connecting 2 wall readers and set up as one door.
- 4 relay outputs.
- 6 inputs to connect to:
 - Door detector, request to exit switch (RTE), office switch.
- 2 different tamperers:
 - one tamper input
 - and one tamper switch.
- Door monitoring and tamper monitoring via contacts input (intrusion alarm and door left opened alarm).

POWER SUPPLY:

AC Supply	100-240 vac 50/60hz
Output voltage – on mains power	12.0-14.0 vdc adjustable
Output voltage – on battery standby	10.0-12.5 vdc
Max. Output current	3.0A
Max. Charge current	0.8A
Battery compartment	17ah/12v
Operation temperature	-20 ~ +45 degree celsius
Humidity	up to 90% non-condensing

- To be used with all SALTO XS4 2.0 Readers (WRDBxxx and WRMBxxx series).
- Virtual network capable through SALTO Virtual Network technology.
- All communications between the carrier and the wall reader are encrypted and secure².
- The maximum cable length between the door controller and the wall reader is up to 400 meters³.
- Connection to the wall reader using 4 wire connection, twisted pair.
- Power consumption: 12VDC 400mA (without XS4 2.0 readers), supplied by an adaptor.

MECHANICAL ASPECTS:

- Dimensions: 330mm x 300mm x 80mm (W x H x D).
- Weight: 1kg.

CERTIFICATIONS:

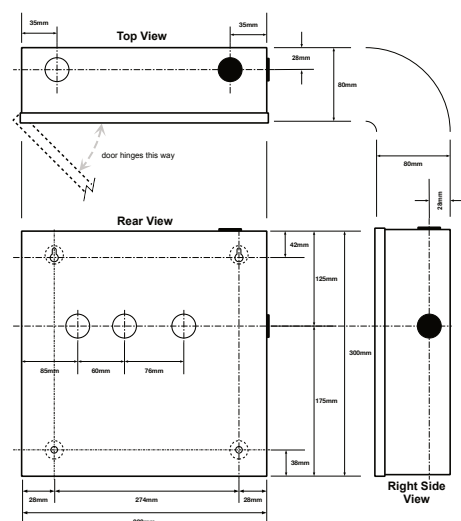
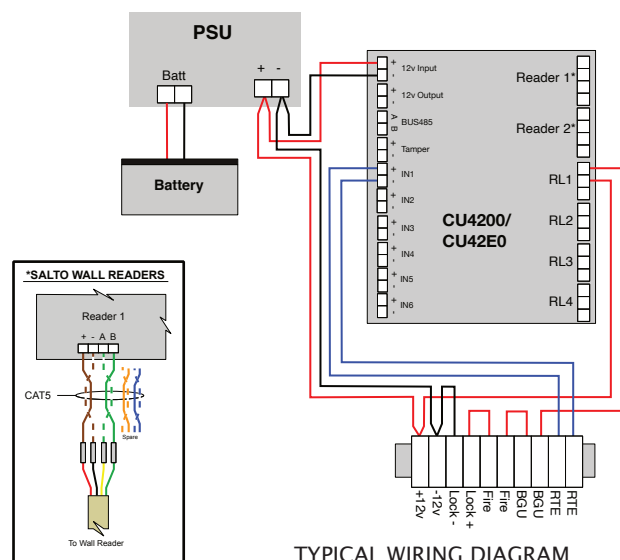
- CE conform
- UL 294
- FCC certified

¹ Not available yet.

² Depending on the card and the RFID technology

³ Depending on the cable.

INSTALLATION



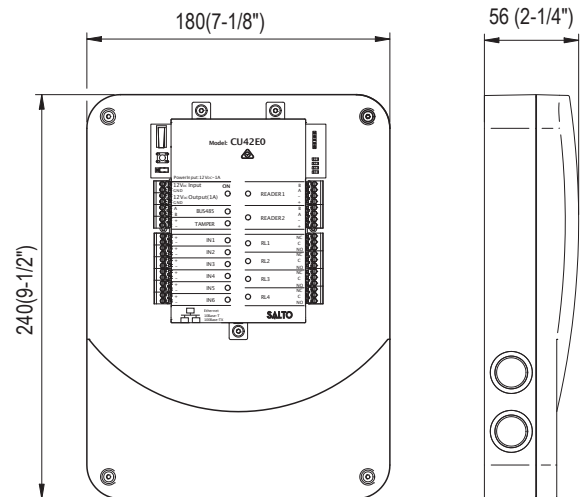
SALTO XS4 2.0 CONTROLLER ONLINE WITH HOUSING

SALTO's latest Control Unit makes it even easier to bring superior access control to your facility thanks to the ability to control and manage multiple doors through one Ethernet connection and one IP address.

This means that extending SALTO access control benefits to all those doors where a stand-alone electronic escutcheon cannot be fitted (electric strikes, magnets, barriers, elevators, etc.) is even easier and more cost-effective.

With the new XS4 2.0 Controller Online with Housing it is easier to install and it enhanced the aesthetic and sturdiness.

CU42E0x



MAIN FEATURES

- Online IP based door controller.
- Two wall reader connection that can be configured as 2 different doors or one door reader in and reader out locking.
- Antipass-back mode available by connecting 2 wall readers and set up as one door.
- 4 relay outputs.
- 6 inputs to connect to:
 - Door detector, request to exit switch (RTE), office switch.
- 2 different tampers:
 - one tamper input
 - and one tamper switch.
- Door monitoring and tamper monitoring via contacts input (intrusion alarm and door left opened alarm).

MECHANICALASPECTS:

- Dimensions: 180mm x 240mm x 56mm(W x H x D).
- Weight: 0.7kg.

- To be used with all SALTO XS4 2.0 Readers (WRDBxxx and WRMBxxx series).
- Virtual network capable through SALTO Virtual Network technology.
- All communications between the carrier and the wall reader are encrypted and secure².
- The maximum cable length between the door controller and the wall reader is up to 400 meters³.
- Connection to the wall reader using 4 wire connection, twisted pair.
- Power consumption: 12VDC 400mA (without XS4 2.0 readers), supplied by an adaptor.
- 2 different Housing finishes translucent or grey opac.
- 8 pre-punched holes to fit the wiring.
- Screws and caps included.

CERTIFICATIONS:

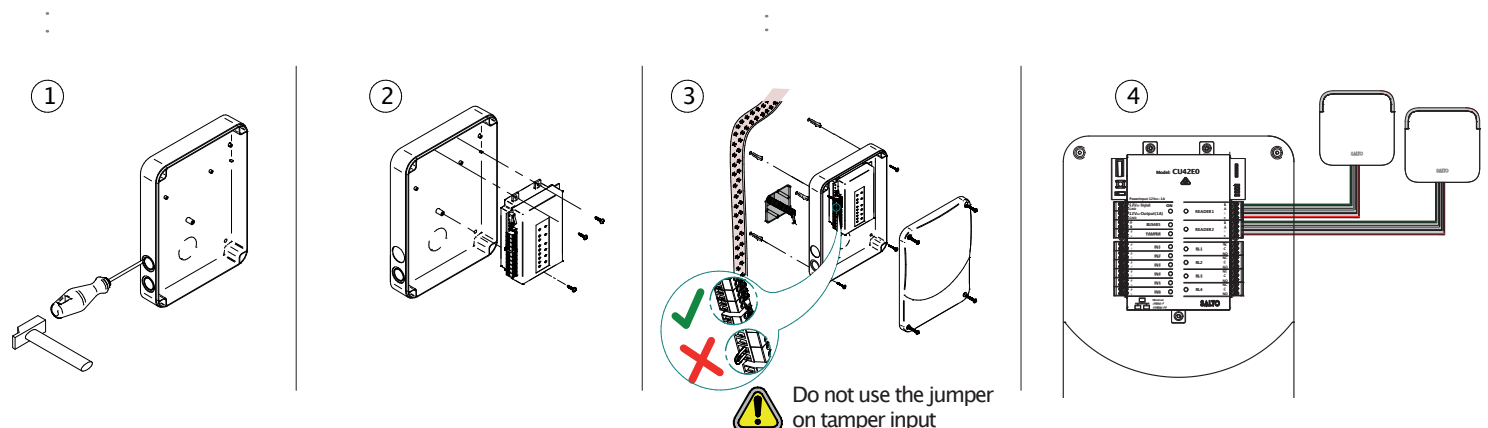
- CE conform
- UL 294
- FCC certified

¹ Not available yet.

² Depending on the card and the RFID technology

³ Depending on the cable.

INSTALLATION



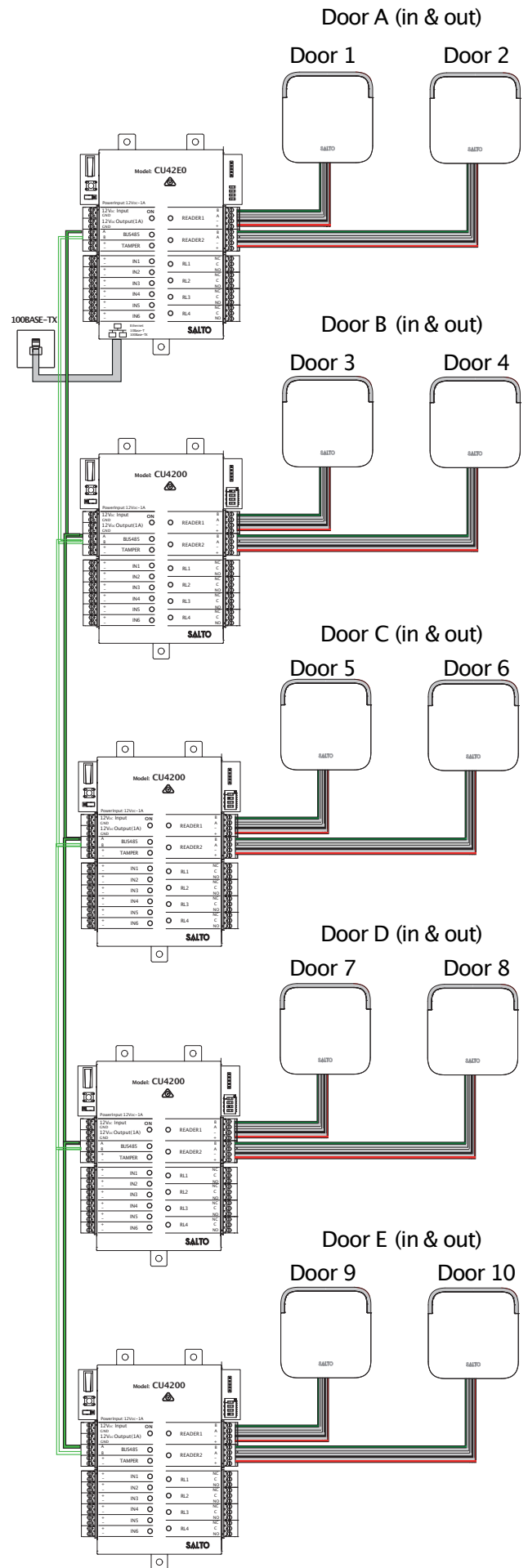
XS4 2.0CONTROLLER –ONLINE DOOR CONTROLLER SETUP

ONLINE CONTROLLER (CU42E0):

- Connection with the server via Ethernet 100BASE-TX or 10Base-T.
 - Requires one IP address.
 - Initialization via Ethernet online connection.
 - Set up through SALTO ProAccess SPACE software.
 - Set up:
 - As One door (reader in & reader out).
 - Two doors (reader one –door one, reader two –door two).
- Supports up to 4 auxiliar controllers (CU4200).
- One IP address needed to control up to 10 doors.

ONLINE AUXILIAR CONTROLLER (CU4200):

- Connection with the online controller (CU42E0) via BUS485.
- Do not requires IP address.
- Initialization via Ethernet online connection.
- Set up through SALTO ProAccess SPACE software.
- Set up:
 - As One door (reader in & reader out).
 - Two doors (reader one –door one, reader two –door two).



SALTO XS4 2.0 AUXILIAR OR OFFLINE CONTROLLER

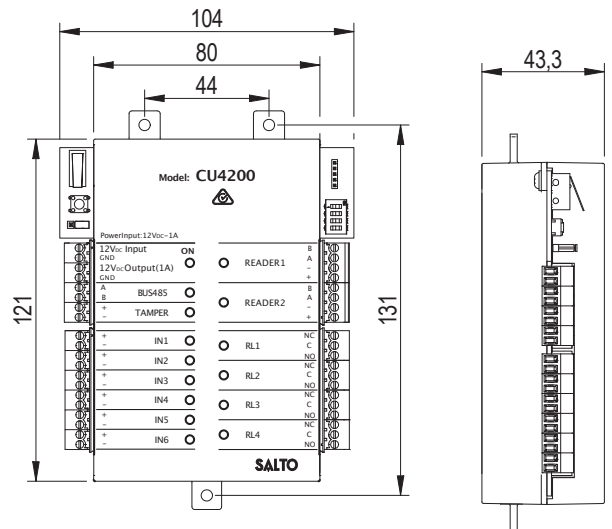
CU4200

SALTO's latest Control Unit makes it even easier to bring superior access control to your facility thanks to the ability to

control and manage multiple doors through one Ethernet connection at one IP address.

The New SALTO XS4 2.0 Controller CU4200 is an auxiliary controller that does not require an IP address and can be set

up as an auxiliary controller connected to an XS4 online controller (CU42E0) or can work as offline controller reducing the costs of installation keeping all the advantages of the SALTO Data-on-card technology.



MAIN FEATURES

- Two wall reader connection that can be configured as 2 different doors¹, or one door reader-in and reader-out locking if set up as offline and programmed via PPD.
- Antipass-back mode available by connecting 2 wall readers and set up as one door.
- 4 relay outputs.
- 6 inputs to connect to:
 - Door detector, request to exit switch (RTE), office switch.
- 2 different tampers:
 - One tamper input,
 - and one tamper switch.
- Door monitoring and tamper monitoring via contacts input (intrusion alarm and door left opened alarm)².

CERTIFICATIONS:

- CE conform
- UL 294
- FCC certified

- To be used with all SALTO XS4 2.0 Readers (WRDBxxx and WRMBxxx series).
- Virtual network capable through SALTO Virtual Network technology.
- All communications between the carrier and the wall reader are encrypted and secure⁴.
- The maximum cable length between the door controller and the wall reader is up to 400 meters⁵.
- Connection to the wall reader using 4 wire connection, twisted pair.
- Power consumption: 12VDC 400mA (without XS4 2.0 readers), supplied by an adaptor.

MECHANICAL ASPECTS:

- Dimensions: 104mm x 131mm x 43,3mm (W x H x D).
- Weight: 0.5kg.

¹If the controller is set up as an auxiliary controller and connected to a CU42E0 by BUS485

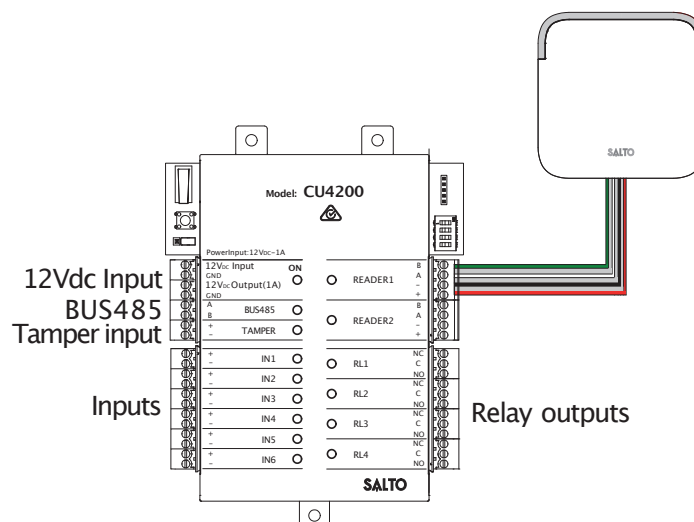
²If connected to an online CU42E0 or via audit trail if offline.

³Not available yet.

⁴Depending on the card and the RFID technology

⁵Depending on the cable.

INSTALLATION



SALTO XS4 2.0 AUXILIAR OR OFFLINE CONTROLLER WITH HOUSING

SALTO's latest Control Unit makes it even easier to bring superior access control to your facility thanks to the ability to control and manage multiple doors through one Ethernet connection and one IP address. The New SALTO XS4 2.0 Controller CU4200 is an auxiliary controller that does not require an IP address and can be set

up as an auxiliary controller connected to an XS4 online controller (CU42E0) or can work as an offline controller reducing the costs of installation keeping all the advantages of the SALTO Data-on-card technology.

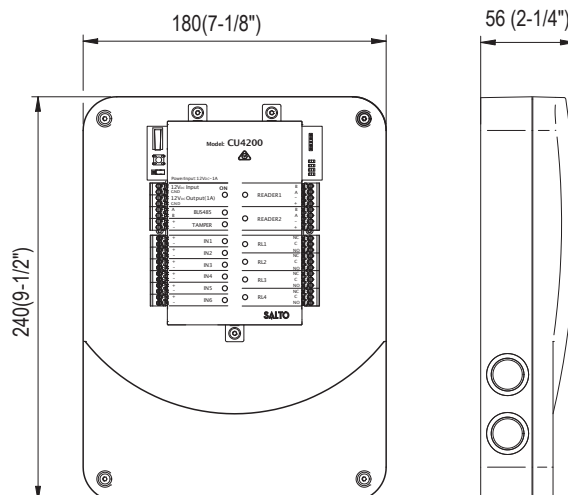
With the new XS4 2.0 Auxiliary Controller with Housing it is easier to install and it enhanced the aesthetic and sturdiness.

CU4200x

CU4200T



CU4200G



MAIN FEATURES

- Two wall reader connection that can be configured as 2 different doors¹, or one door reader-in and reader-out locking if set up as offline and programmed via PPD.
- Antipass-back mode available by connecting 2 wall readers and set up as one door.
- 4 relay outputs.
- 6 inputs to connect to:
 - Door detector, request to exit switch (RTE), office switch.
- 2 different tamperers:
 - One tamper input,
 - and one tamper switch.
- Door monitoring and tamper monitoring via contacts input (intrusion alarm and door left opened alarm)².

- Can be used with all SALTO XS4 2.0 Readers (WRDBxxx and WRMBxxx series). Virtual network capable through SALTO Virtual Network technology.
- All communications between the carrier and the wall reader are encrypted and secure⁴.
- The maximum cable length between the door controller and the wall reader is up to 400 meters⁵.
- Connection to the wall reader using 4 wire connection, twisted pair.
- Power consumption: 12VDC 400mA (without XS4 2.0 readers), supplied by an adaptor.
- 2 different Housing finishes translucent or grey opac.
- 8 pre-punched holes to fit the wiring.
- Screws and caps included.

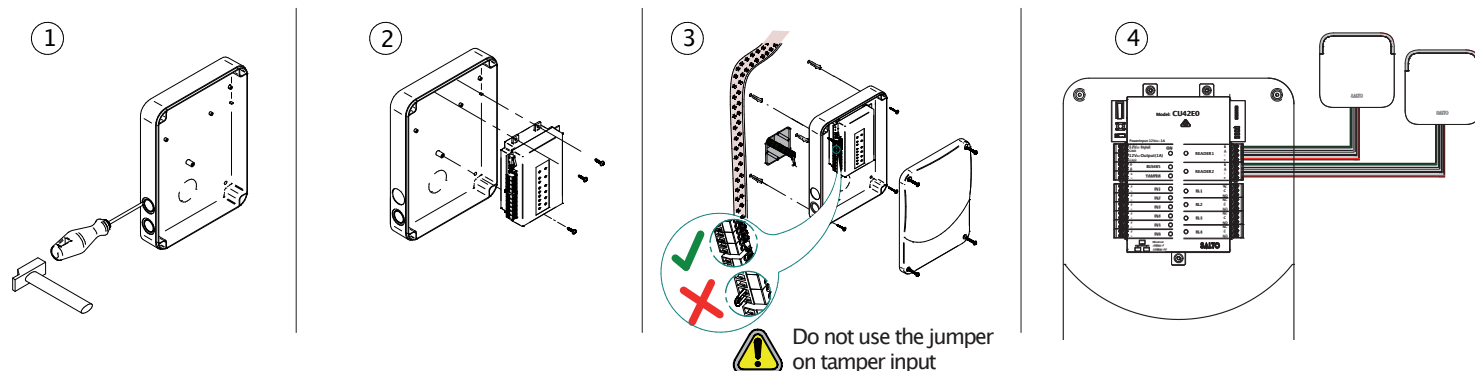
MECHANICAL ASPECTS:

- Dimensions: 180mm x 240mm x 56mm (W x H x D).
- Weight: 0.7kg.

CERTIFICATIONS:

- CE conform
- UL 294
- FCC certified

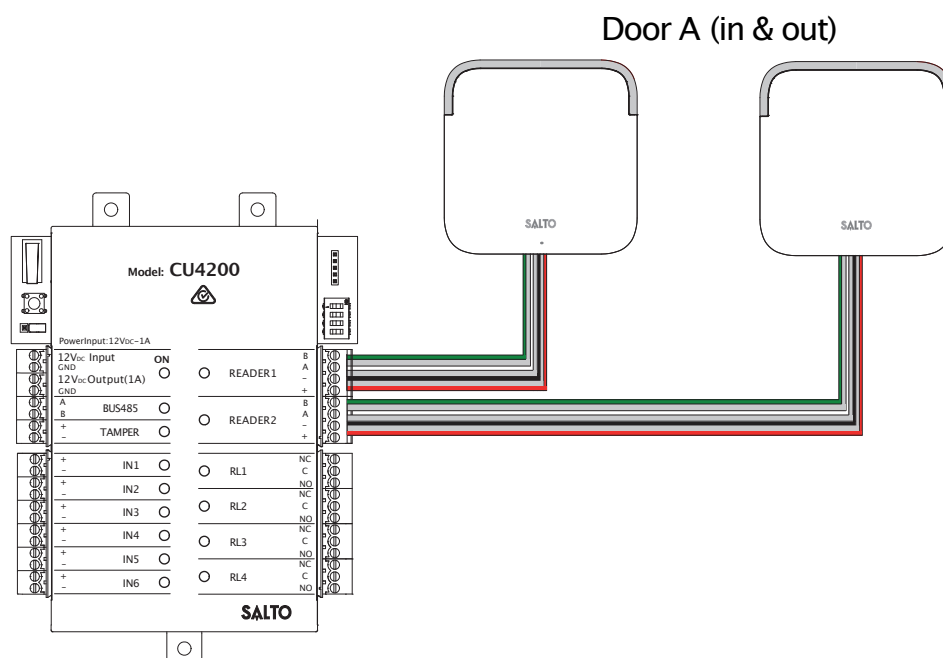
INSTALLATION



XS4 2.0CONTROLLER –AUXILIAR OR OFFLINE DOOR CONTROLLER SETUP

OFFLINE AUXILIAR CONTROLLER (CU4200):

- No online connection.
- Do not requires IP address.
- Initialization via PPD connection with the 3 pin cables directly to the controller or via PPD contactless through the wall reader.
- Set up through SALTO ProAccess SPACE software.
- Set up: as one door (reader in & reader out).
- Access plan update via SALTO Virtual Network capabilities.
user access plan and blacklist (list of users card cancelled) is transmitted via the Data-on-card technology.



ACCESS CONTROL FEATURES

	R&W SVN
Maximum number of users per door	4,000,000
Maximum number of doors per system	64,000
Maximum events on controller audit	5,000
Time zones	256
Automatic changes tables in system	1,024
Calendars in system	256
Access levels in system	unlimited
Zones in system	1,024
Management software	ProAccess SPACE

SALTO VIRTUAL NETWORK CAPABILITIES

- Add or delete access privileges at will to the ID carriers.
- The ability to validate the expiry date of key cards on any SVN Online wall reader.
- Add security through additional authenticated validation procedures including pin codes as well the ability to blacklist cards from the system.
- On card audit-trailing to track staff or visitor movement.
- Lock specific battery power data is registered on any card using the lock –staff or visitor –and transferred back to the PC control software via any update reader just by using the system.
- Expiry date can be extended if network connection is lost.

AVAILABLE OPENING MODES:

- STANDARD: Locked at all times.
- AUTOMATIC CHANGES: Any opening mode can be performed through logical set up of the controller.

ONLINE FEATURES FOR ONLINE CONTROLLERS

REAL-TIME ACCESS CONTROL CHANGES:

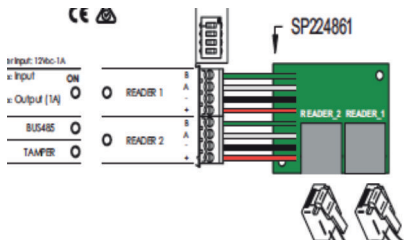
- Live monitoring of user entry and exit through the door controller.
- Live audit trail build up on the software.
- Door monitoring status for forced door and door left open alarm.
- Remote door opening from software.
- Door lock out or lock open emergency setting from software.
- The IP door controller can be included in roll call set up used, for example for user location monitoring parking controls etc

- Works as Online hub up to Online Energy Saving Devices (pending).
- Connected to standard Ethernet network.
- Works off-line if the network connection is lost.
- Communications between the SALTO Service /online controller and auxiliary controller is secured and encrypted by AES 128 encryption.
- Invalidates deleted cards.

ACCESSORIES:

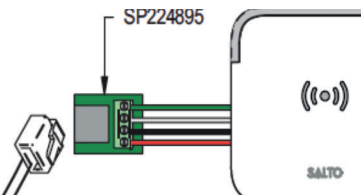
Model SP224861

Connecting circuit RJ45 cable adaptor for CU42E0 or CU4200.



Model SP224895

Connecting circuit adaptor for RJ45 cable for WRDBxxx series.



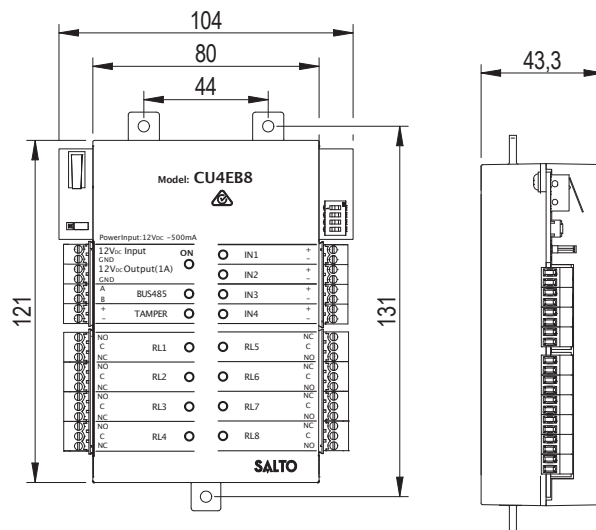
Datasheet-XS4CU42xx_ENG_09_15

SALTO XS4 2.0 INPUT / OUTPUT EXPANSION UNIT

The new input / output expansion unit – CU4EB8 – is a device which, when connected to CU4200 door controllers, provides the option to manage multi relay switchable output systems such as elevator floor level access, multi shutter and barrier systems, machine switching and more.

When connected to an online device this expansion board permits to trigger alarms through the inputs and generate alarms or even logical actions through the SALTO ProAccess SPACE software.

CU4EB8



MAIN FEATURES

- Input and output board managed by the controller.
- Configurable by PPD.
- Upto 16 Expansion units can be connected to one controller
- To be used with XS4 2.0 Controller CU4200.
- 4 Automatic output.
- Fully integrated with the SALTO ProAccess Alarms and communication module permitting to use the inputs to trigger any event.

MECHANICAL ASPECTS:

- Dimensions: 104mm x 131mm x 43,3mm (W x H x D).
- Weight: 0.5kg.

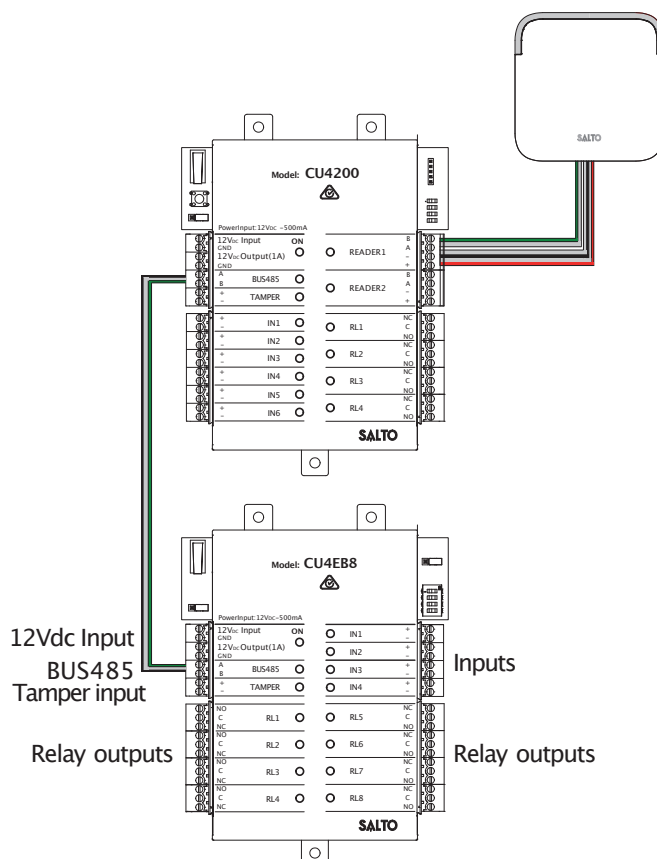
TECHNICAL CHARACTERISTICS:

- Connection to the controller through BUS485.
- 8 relay outputs.
- 4 inputs (not used in offline mode)
- 2 different tamper:
 - 1 tamper input
 - 1 tamper switch.
- The maximum cable length between the first and the last expansion unit on the RS485 BUS is 300 meters.
- Connection to the controller using 4 wire connection, twisted pair (AWG24).
- Power consumption: 12VDC 400mA, supplied by an adaptor.
- Maximum output relay load: 2A–30Vdc (resistive load)

CERTIFICATIONS:

- CE conform

INSTALLATION



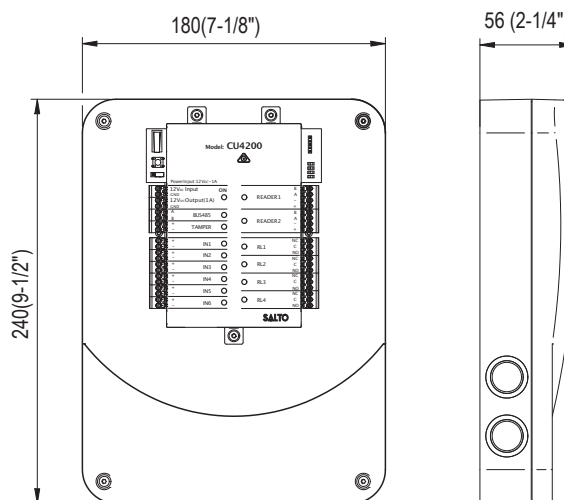
SALTO XS4 2.0 INPUT / OUTPUT EXPANSION UNIT WITH HOUSING

The new input / output expansion unit – CU4EB8 – is a device which, when connected to CU4200 door controllers, provides the option to manage multi relay switchable output systems such as elevator floor level access, multi shutter and barrier systems, machine switching and more.

When connected to an online device this expansion board permits to trigger alarms through the inputs and generate alarms or even logical actions through the SALTO ProAccess SPACE software.

With the new XS4 2.0 Input / output expansion unit with Housing it is easier to install and it enhanced the aesthetic and sturdiness.

CU4EB8x



MAIN FEATURES

- Input and output board managed by the controller.
- Configurable by Software in online mode or by PPD in offline mode.
- Can be connected to 15 additional I/O Boards.
- To be used with XS4 2.0 Controller CU42E0 or CU4200.
- 4 Automatic output.
- 2 different Housing finishes translucent or grey opac.
- 8 pre-punched holes to fit the wiring.
- Screws and caps included.
- Fully integrated with the SALTO ProAccess Alarms and communication module permitting to use the inputs to trigger any event.

MECHANICAL ASPECTS:

- Dimensions: 180mm x 240mm x 56mm (W x H x D).
- Weight: 0.7kg.

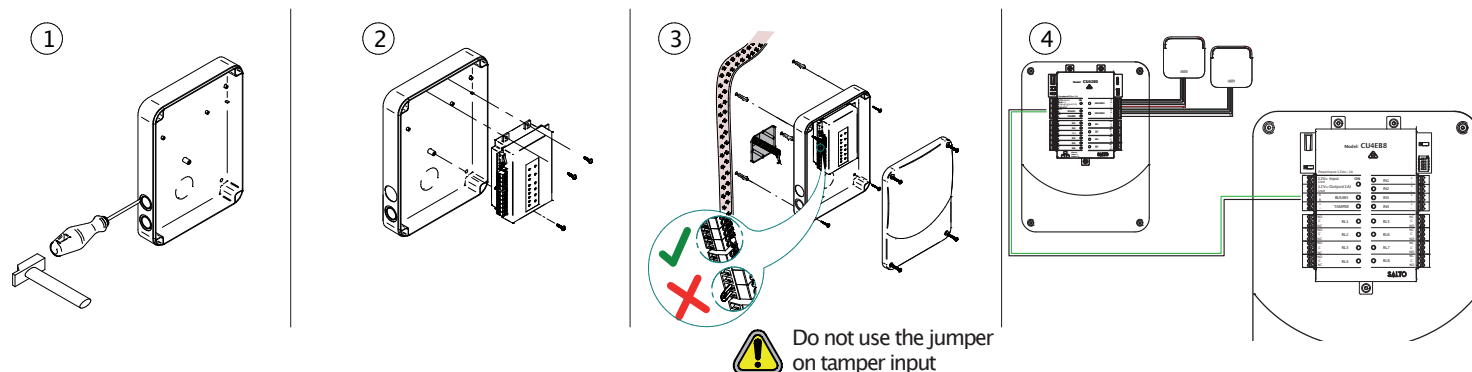
CERTIFICATIONS:

- CE conform

TECHNICAL CHARACTERISTICS:

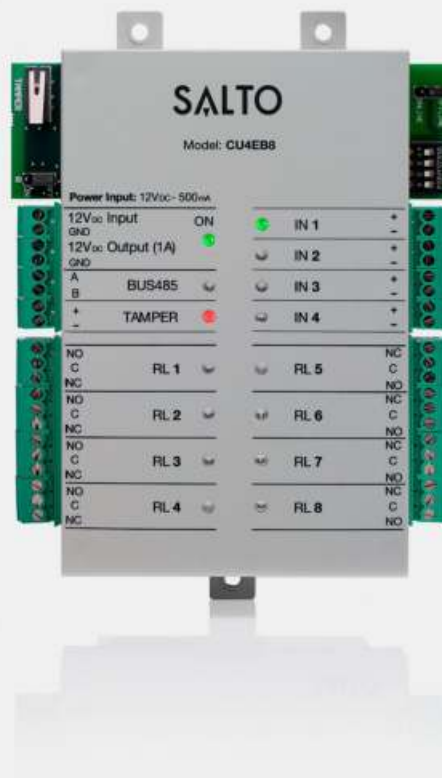
- Connection to the controller through BUS485.
- 8 relay outputs.
- 4 inputs (not used in offline mode)
- 2 different tamper:
 - 1 tamper input
 - 1 tamper switch.
- The maximum cable length between the first and the last expansion unit on the RS485 BUS is 300 meters.
- Connection to the controller using 4 wire connection, twisted pair (AWG24).
- Power consumption: 12VDC 400mA, supplied by an adaptor.
- Maximum output relay load: 2A-30Vdc (resistive load)

INSTALLATION



SALTO EXPANSION BOARD - CU4EB8

The CU4EB8 provides multi-relay switchable output management to external systems such as lift floor level access, multi-shutter and barrier systems, machine switching and more.



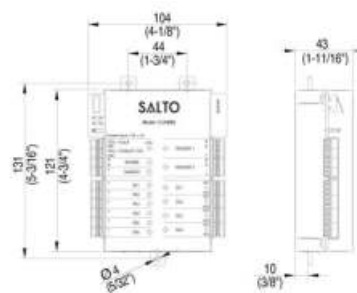
Features

- Works with the CU42xx.
- Input and output board managed by the controller.
- Software configuration.
- Up to 16 connected units.
- Additional control output relays.
- Compatible with the SALTO ProAccess SPACE alarm event engine module to manage trigger events through inputs when connected to an online network via BUS485.

Technical characteristics

- Connection to the controller through BUS485.
- 8 relay outputs.
- 4 relay inputs.
- 2 tamper inputs (input, switch).
- The maximum cable length between the I/O board and the controller is up to 400 meters.¹
- Connection to the controller using 2 wire connection, twisted pair.
- Power consumption: 12V DC 400mA, supplied by a power adaptor.

Technical drawing



Technology platforms



SALTO Space

—  On-premise Network

Wireless technologies



Certifications



Disclaimer:

For a complete description of the product range, verification of the availability and technical feasibility of the selected product, and a commercial offer, please get in touch with the local authorized SALTO dealer or a SALTO office.

SALTO Systems reserves the right to modify the product and its components.

Technical information and images displayed on the SALTO Systems product page are for informative purposes only and designed to inform about the main product features, options and technical specifications. Therefore, all images, illustrations, shapes, features, specifications, sizes, data, descriptions and colours shown on the SALTO Systems page shall consider as no-binding approximate indications only.

XS4 LE8P - European Mortise Lock

The XS4 Euro lock is a mortise lock with latch projection which means the latch is automatically projected and deadlocked when the door is closed. This mortise lock is suitable for all kinds of wooden doors, whether it's a hotel room, office or warehouse door, etc. The new latch projection function increases security by making it impossible to gain access by using plastic cards. For additional security, SALTO also offers the option to order this lock with a deadbolt.



Features

- European mortise lock case.
- Suitable for XS4 Euro standard escutcheons and electronic cylinders.
- High resistance by use of high quality materials.
- Lock case, latch and deadbolt made of steel.
- Different backsets.
- Strike plate and dust box not included.

Technical characteristics

- Axe distance: 85mm.
- Compatible with Euro profile mechanical cylinders.
- Round or squared front plate available.
- 8mm square spindle.
- Turning angle: 28°.
- Backsets available: 50mm, 60mm and 70mm.
- Front plates available: 20mm and 23mm.
- ANSI front plates available: 27mm and 32mm for ANSI retrofit.

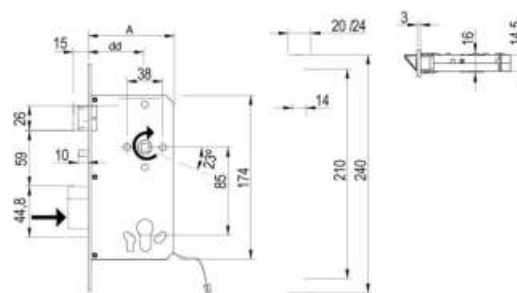
Handing

- Reversible latch for more convenience.

Operations and functions

- Mortise lock available with or without deadbolt for additional security.
- Mortise lock with self-locking action projection (5mm projection) to prevent unwanted intrusions.
- The handle retracts the latch to normal position.
- Anti-panic safety function: In locked position, turning the inside handle retracts auxiliary latch and deadbolt simultaneously.
- Deadbolt detector option for electronic privacy function.
- Optional integrated detectors for electronic privacy function to monitor the status of the door without any additional hardware or fitting.

Technical drawing



Certifications**Disclaimer:**

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