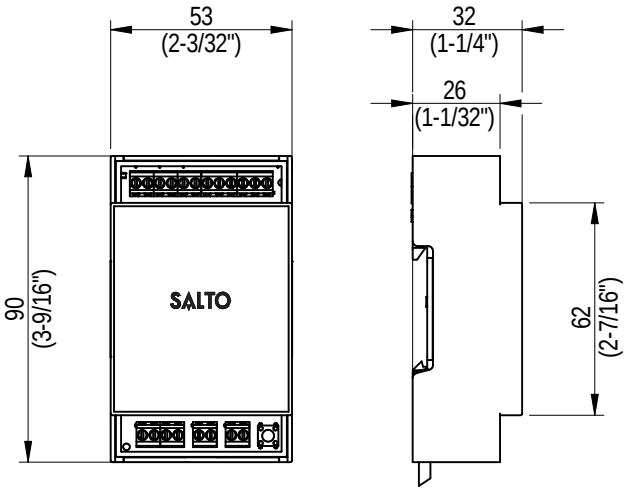
Installation guide

BLUEnet Door Controller

SALTO inspiredaccess

CUC1B0 series
CUCEB122 series

Eng **Installation guide**



CUC1B0 series

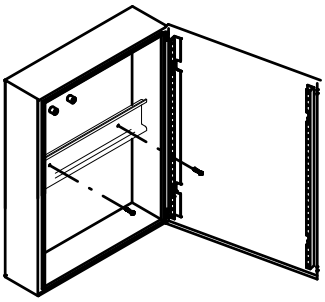
The BLUEnet door controller offers complete and easy control for online and standalone access points in a compact DIN rail built-in unit, including output relays and input connections. Its universal SALTO compatibility permits to integrate it with any door control device.

70g

Eng Installation

Eng ELECTRICAL CABINET WITH DIN RAIL

1



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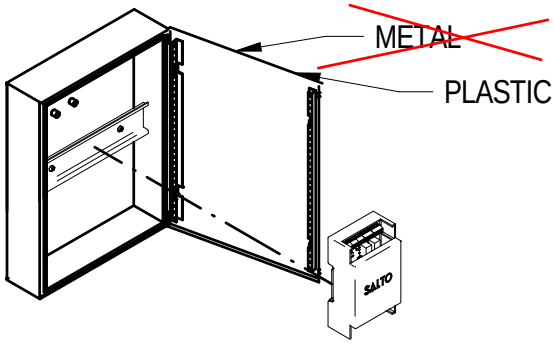
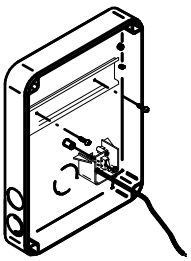


Eng ELECTRICAL CABINET WITH DIN RAIL AND TAMPER

1



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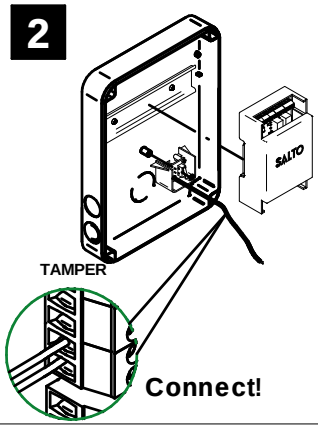
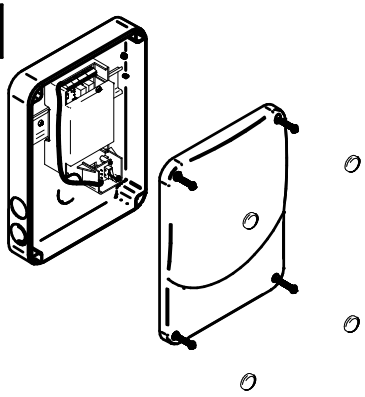


Eng In the software*, set the connection that you've connected the tamper wire to as "Tamper input".

3



Eng (*) Please check the availability of the function in the software. Some options may not be available yet.

It is recommended to install a maximum of 2 door controllers inside the CU Box.

Eng Wiring

Eng **1. Input/Output:** power input/output and proprietary serial bus for communication with expansion boards. There are two groups of connections that are %100 identical.
2. Relay outputs: (1A/30VDC).
3. Connection with the wall reader: consult the wall reader installation guide for more detailed information about the type of recommended wiring, connections and maximum distances.
4. Inputs: inputs for external configuration (default, IN2, tamper).
5. CLEAR button: short press to pair with the connected wall reader and discover and pair devices on the proprietary serial bus; long press will accept a new Portable Programmer (PPD), only in the Space platform.

Eng Factory configuration inputs and relays

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FACTORY CONFIGURATION		
IN1	Door status *	Unsupervised NC
IN2	Exit	Unsupervised NO
RL1	Door relay	
RL2	Tamper alarms, loss of communication, DLO and intrusion	

* If not used, use bridge cable.

Eng CUADAP or third party readers

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	WIEGAND
IN1	Input D0
IN2	Input D1

POWER			
	Min	Max	Typ
Input voltage	10V	30V	12V
Max Current Consumption*		700mA	
Reader output Voltage		12V	

* This is the consumption of the CUC1B0 and CUCEB122 series, installer must calculate the power supply needed.

INPUT	
Electrical characteristics	5V
Configuration	Via Software

OPERATING CONDITIONS		
	Min	Max
Temperature	-35ºC	70ºC
Humidity	0	95% (Non condensing)

CABLE REQUIREMENTS	
EXT BUS	22 - 16 AWG (≤1m)
Inputs	AWG24
Readers	AWG18

OUTPUT RELAYS	
Rated load (resistive)	1A - 30Vdc

Applies to CUC1B0 model only!

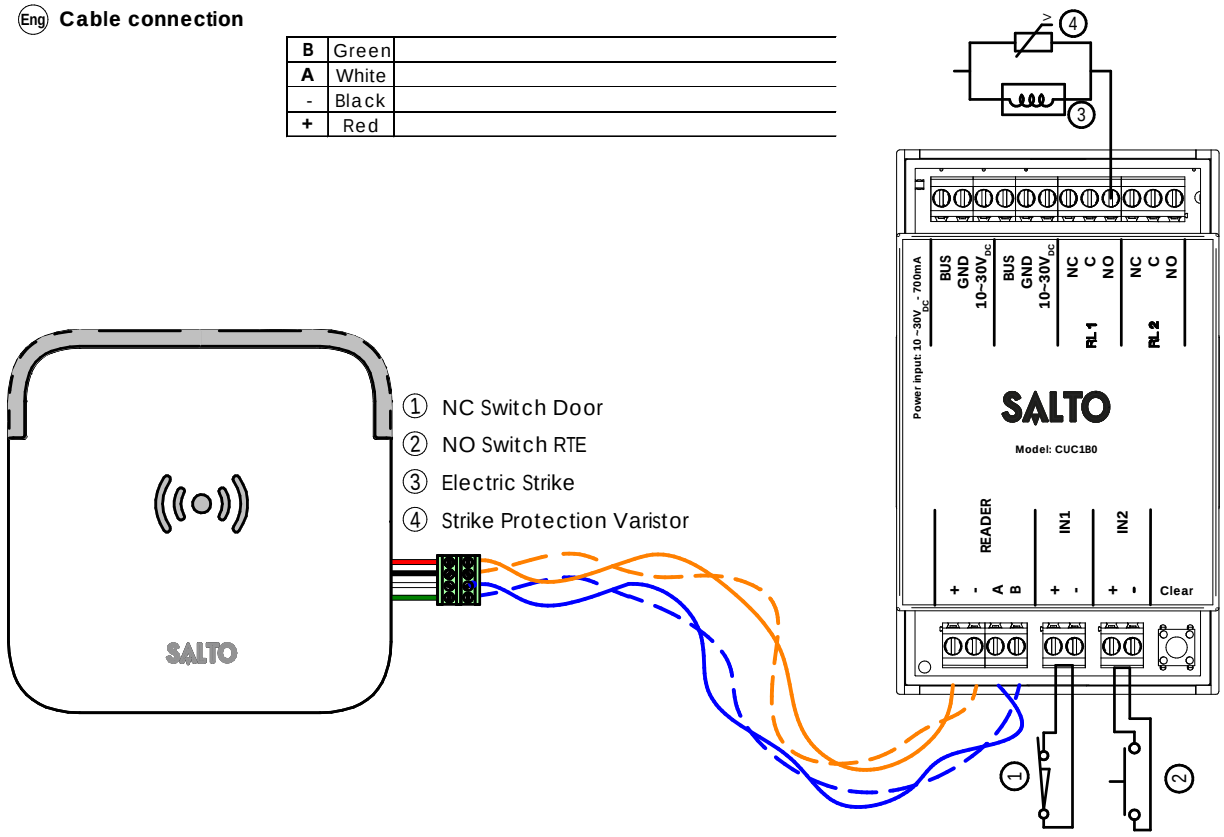
SALTO BLUEnet CHARACTERISTICS	
Frecuency Range	2400 MHz to 2483.5 MHz
Standard	Bluetooth 5.2
TX power	6dBm
Indoor Range	10-15m *

**The environment has a direct impact on the BLUEnet range radiation (metal, concrete walls...). The receiver device must be located facing the product antenna. Please check your product´s BLUEnet antenna position. Recommended connectivity distance 10-15m.*

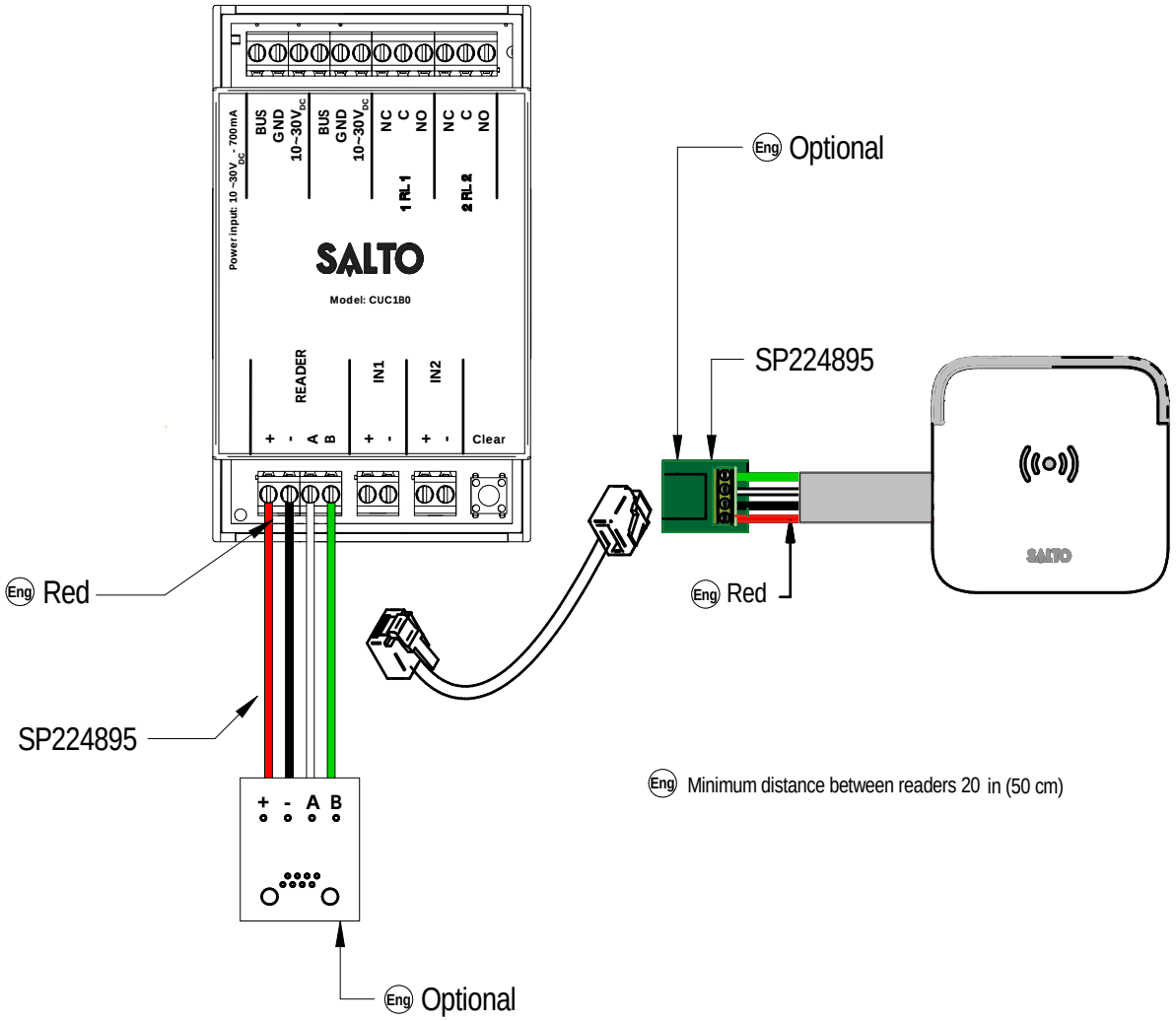
Installation example

Cable connection

B	Green	
A	White	
-	Black	
+	Red	



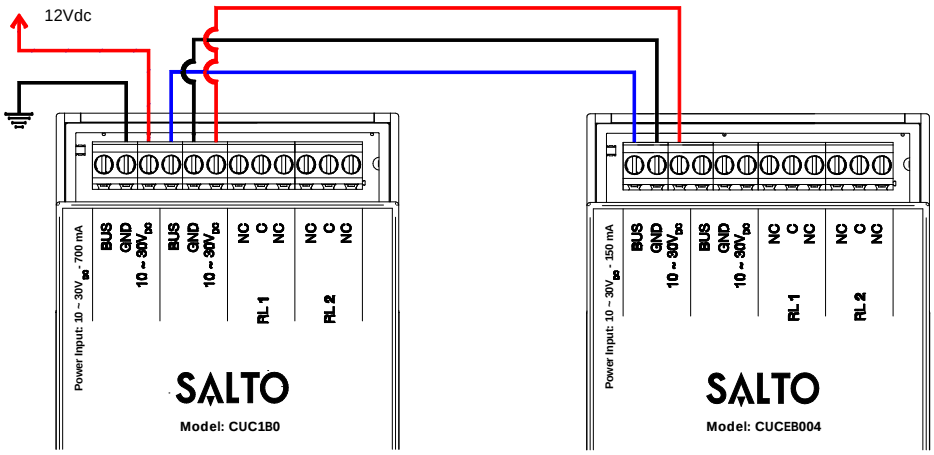
Eng Installation example:



Eng Minimum distance between readers 20 in (50 cm)

Eng Installation example with power supply on the left:

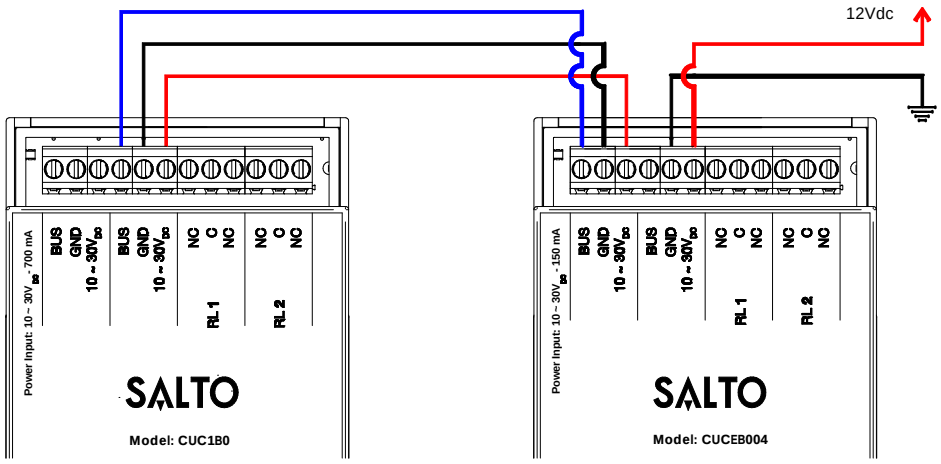
Eng		
GND	Black	
+V	Red	
BUS	Blue	



CUC1B0 **CUCEB004 / CUCEB122**

Eng Installation example with power supply on the right:

Eng	
GND	Black
+V	Red
BUS	Blue



CUC1B0 **CUCEB004 / CUCEB122**

Eng Signalling

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LED STATUS	CUC1B0	CUCEB122
BLINKING YELLOW	Long press off CLR	Not paired with CUC180
OFF	No power	
SOLID GREEN	All internal communications established and working correctly (serial Bus owner WRs)	
SOLID RED	After booting device indicates if it was powered correctly. The light will remain red if there are no internal communications established.	
BLINKING RED	Communication problems (serial Busowner WR)	

Eng Operational test

Eng Once the control unit has been installed, to check it has been installed correctly, make sure that when powering the device, the LED is solid green.