



SALTO RS485 Wireless BLUEnet Node and RFnet Node Installation Guide

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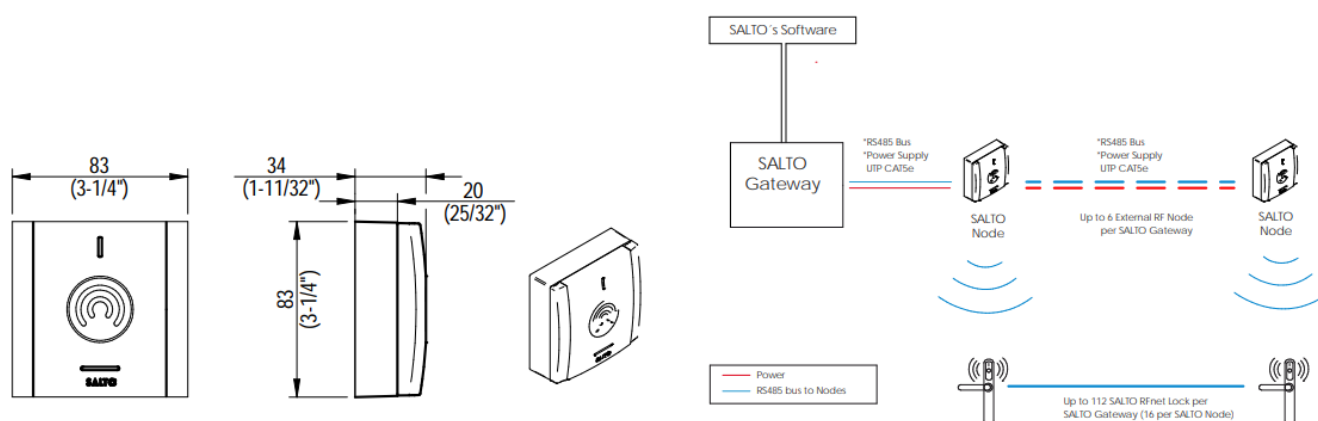


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Installation guide

The BLUEnet Node and RFnet Node are part of SALTO wireless system. They work as a bridge, with the SALTO Gateway, between SALTO's access control software and wireless locks.



Electrical characteristic

Operation conditions

Min		Typ	Max	Unit
Temperature	-20	25	70	°C
Humidity	35		85	

Cable requirements

RS485 Connection (AB) Generic twisted pair wire <small>Note 1</small>
Power Connection (Vdd): 24 AWG

Power Supply for SALTO RFnet

	Min	Typ	Max	Unit
Input Voltage	7	12	28	V
Current consumption			45 <small>Note 2</small>	mA

Power Supply for BLUENET

	Min	Typ	Max	Unit
Input voltage	-20	25	70	V
Current consumption RF Node			45 <small>Note 2</small>	m A
Current consumption RFNet			75 <small>Note 2</small>	m A

SALTO RFnet Characteristics

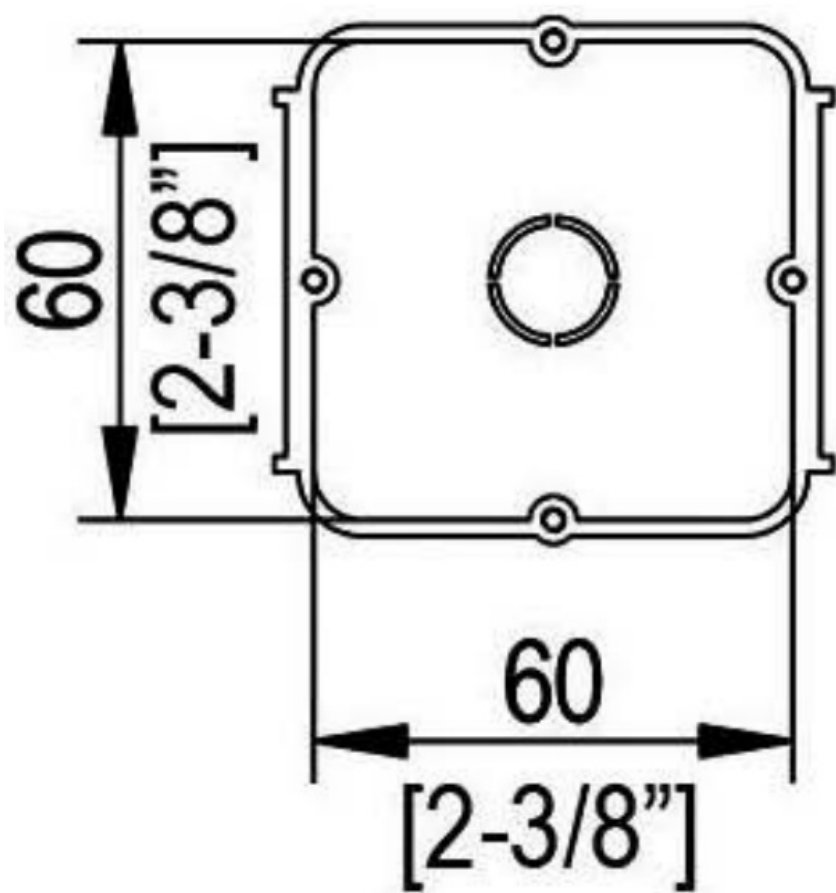
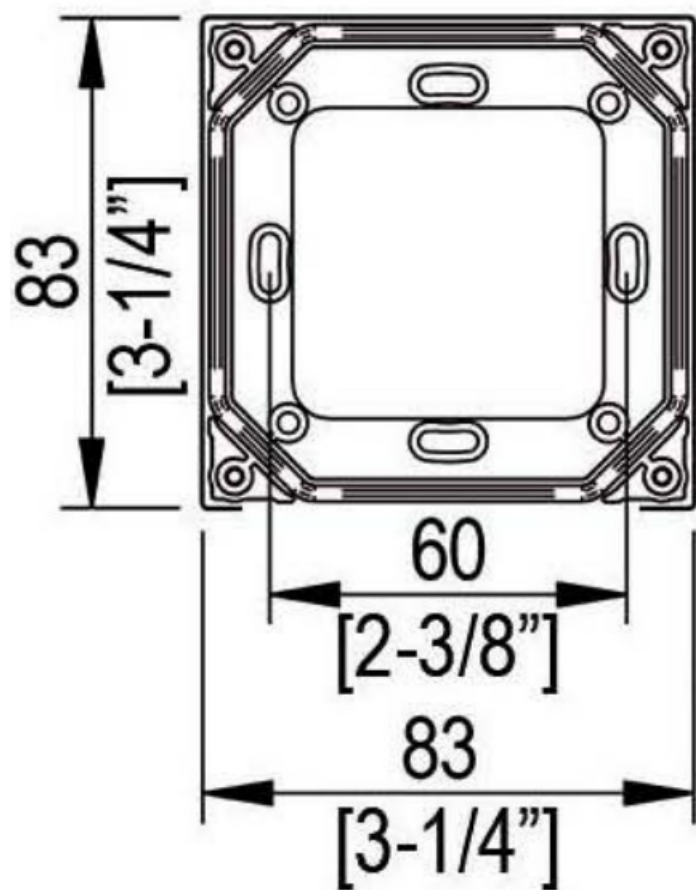
Frequency Range	2400-2483.5 Mhz
Standard	IEEE 802.15.4
Indoor Radio Range	10/15m
Max output power	5dBm

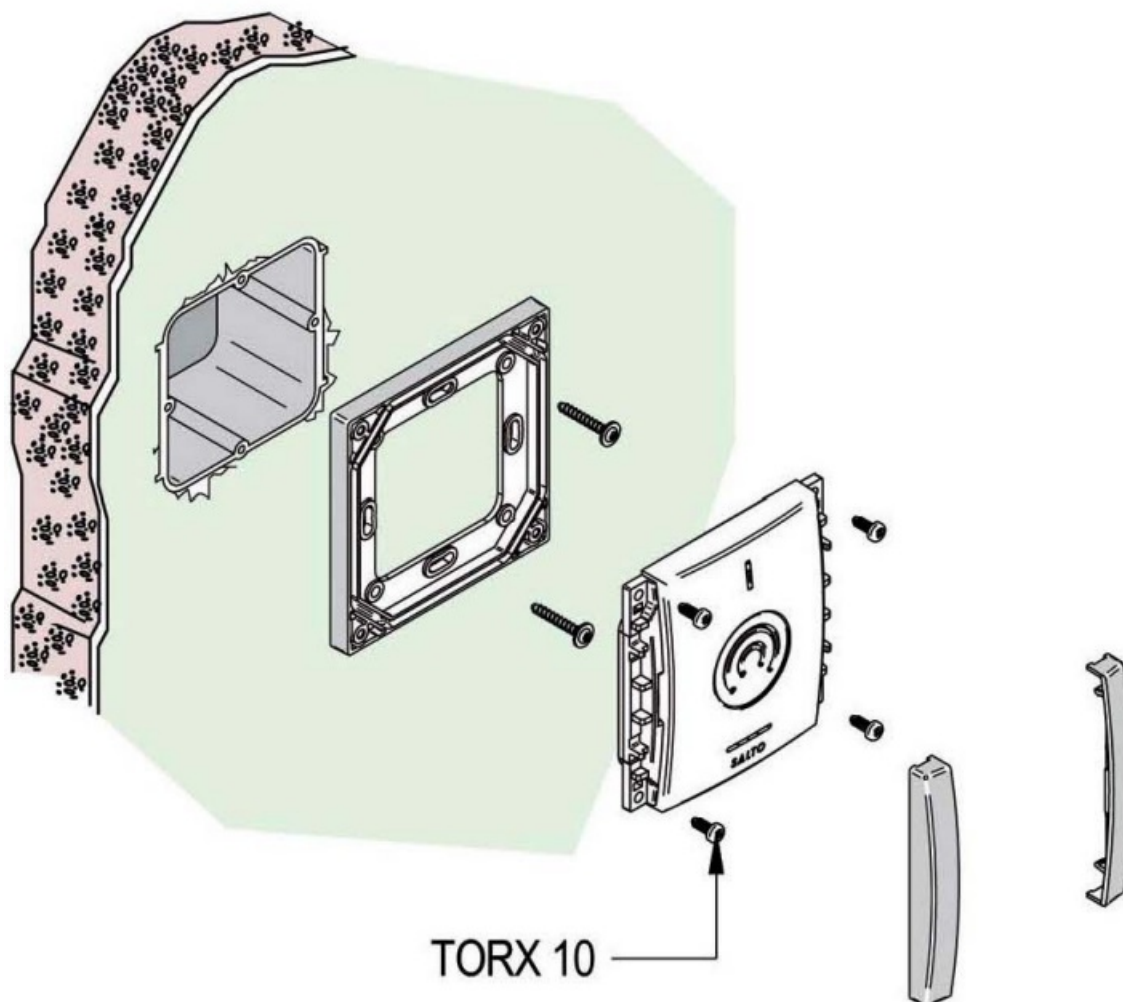
SALTO BLUEnet Characteristics

Frequency Range	2400-2483.5Mhz
RF Standard	Bluetooth Low Energy
Indoor Radio Range	5m/10m
Max output power	8dBm

Mechanical installation

1 GANG ELECTRICAL STANDARD BOX

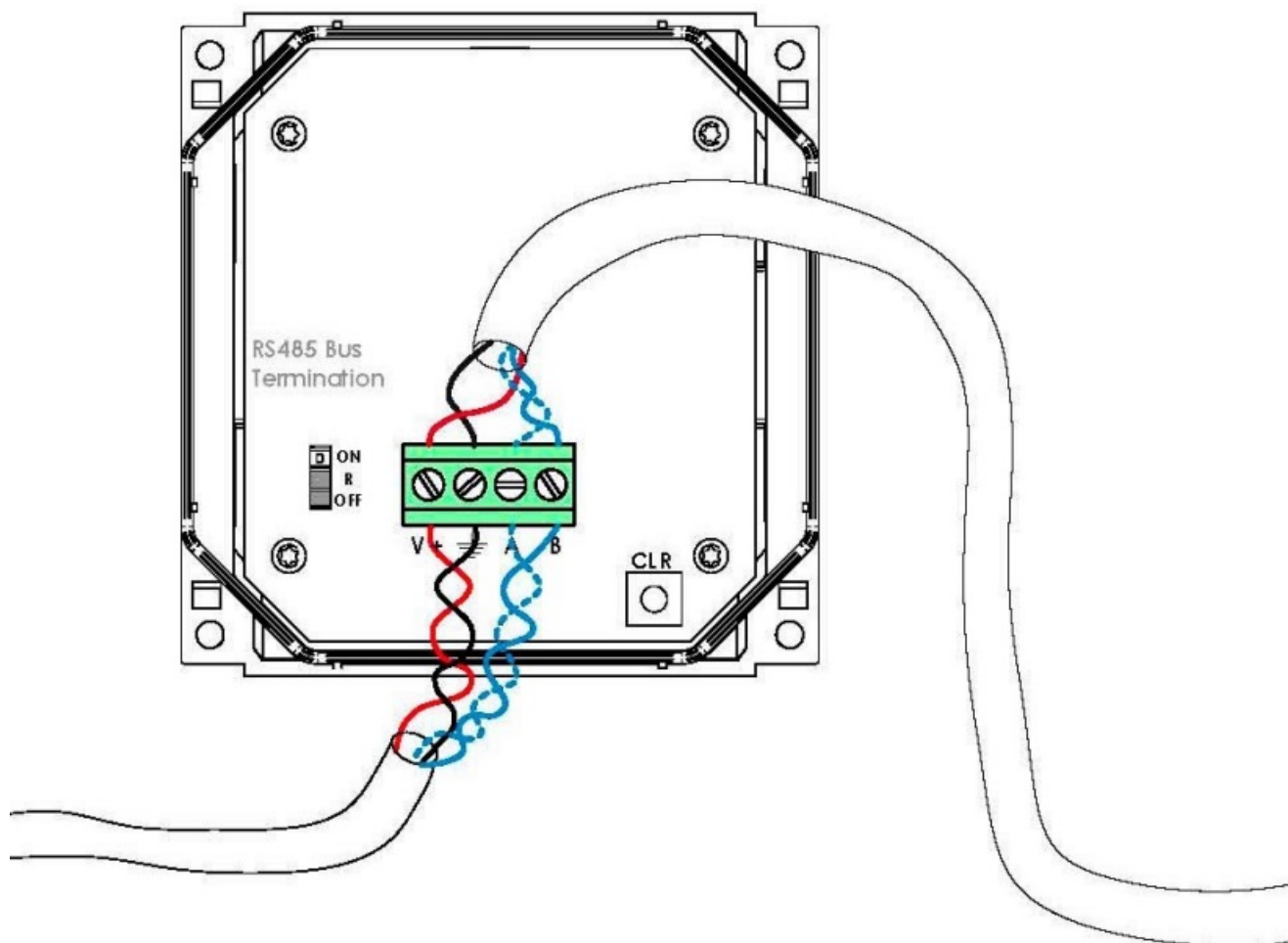




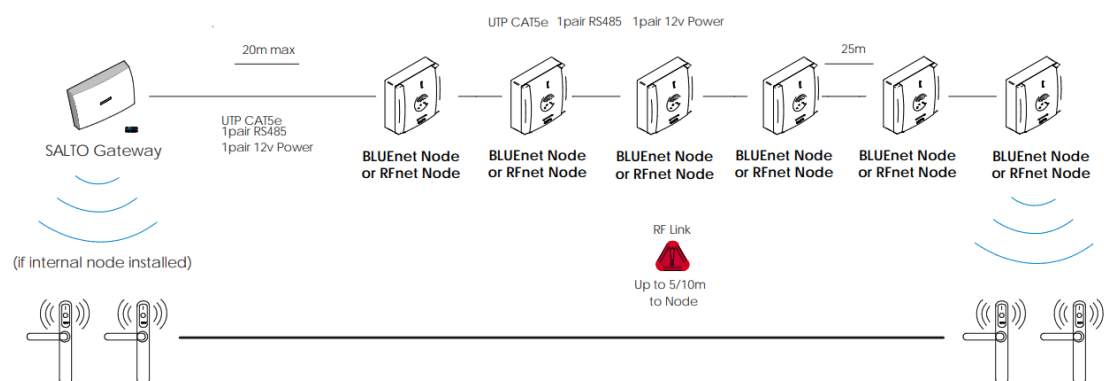
Electrical installation



RS485 bus termination resistor is needed (ON position) when the node is located at the end of the bus.



Installation example



Signalling

The green (RFnet Node) or blue (BLUEnet Node) LED of the device indicates that the device is properly powered.

Operational test

Once the product is installed, follow these steps to check the correct operation:


When SALTO Gateway and locks are installed, check that the RFnet Node or blueNET Node is active in SALTO's software.

Maintenance

The unit should be tested at least once a year as described in “Operational test”. Keep the device in a safe place!

Radio information

The environment has a direct impact on the range radiation (metal, concrete walls...) The receiver device must be located facing the product antenna. Please check your product's device antenna position.
Recommended connectivity distance: 5m – 10m

European view 

All contents current at time of publication.

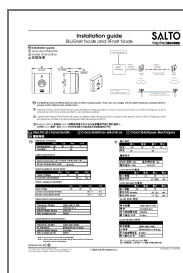
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Documents / Resources



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RS485 Wireless BLUEnet Node and RFnet Node, RS485, Wireless BLUEnet Node and RFnet Node, BLUEnet Node and RFnet Node, RFnet Node, Node

References

- [User Manual](#)