DATASHEET

MODULE: BLE Standard v0.1
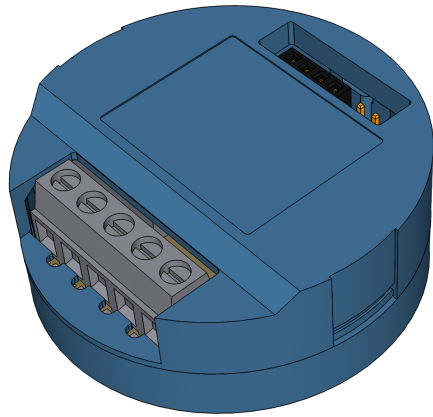
January 2020

Specification

	Standard
Power supply	
	110-220V ±10% 50/60Hz AC
	24-60V AC/DC
	12V DC
Backup Li-Po battery	-
Relays	
Quantity & type	1x non-latching
Max. load	16A/240V
Radio protocols & network	
Wi-Fi	802.11 b/g/n
Bluetooth	v4.2 BR/EDR & BLE
Ext. WiFi/BT antenna	✔ (optional)
GSM	-
GPS	-
Ethernet	-
Additional connectivity	
Analogue inputs	1x for HW switch/pir/hall sensor
I2C	✔
Serial	✔
Physical connectors	
Relay in/out, power, input switch	5 gang terminal for cables up to 1.5 mm2
Extension port: 2x4 pin female header	Serial Rx/Tx, Gnd, Vcc, I2C (SDA, CLA), 2x GPIO
Memory	
	Storage for xxx event logs
Electrical consumption	

Maximum	50 mAh
Normal operation	200 mAh
Powersaving mode	(TBD)
Physical properties	
Working temp.	-40°C up to 40°C
Dimensions	⌀ =50mm, h=18.5mm
Module weight	25g
IP rating	IP20
Mounting	Fits inside EU electrical 60mm wall installation box. Optional DIN adapter
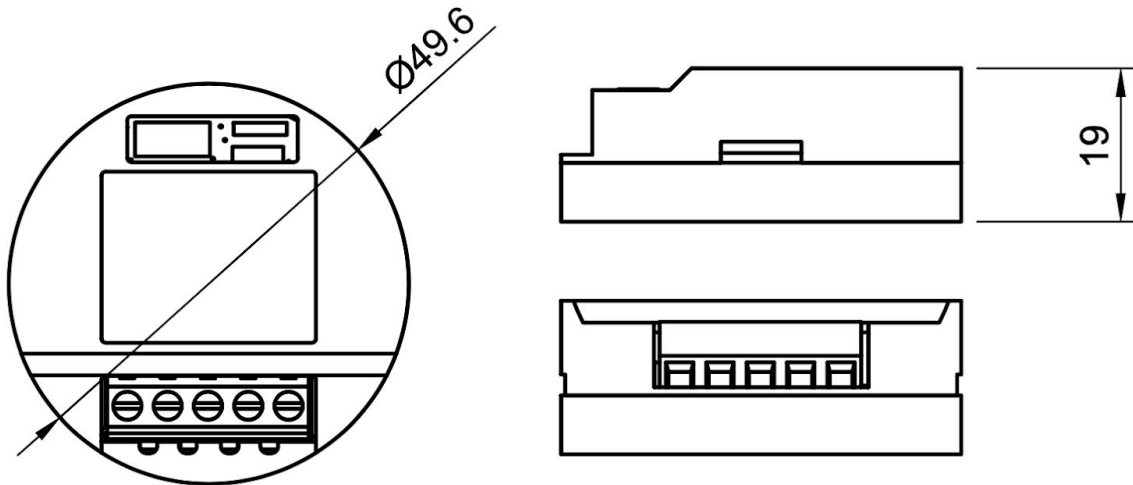
Benefits of *BLE Locking* Digital Key Solution

BLE Locking solution

Our solution is based on small low-cost modules that do not require internet and can be connected to any existing electrically operated doors, gates, equipment/server racks, barriers, elevators, switches etc.

Smartphone is the digital key

Our iOS & Android apps enable any smartphone to become a secure key. By using the app you do not need to carry with you all the physical keys, digital-key buttons, RF cards, remotes, etc.

No Internet required

Our BLE Locking modules and smartphone app does not require an Internet connection to function. Install the devices and download the app. After receiving your digital keys into the app you can operate the locks anywhere - even underground or in remote locations.

Increased security

Increase access security level of your assets and property. Our solution significantly reduces risks of typical physical keys, remotes and codes that can be lost, copied, stolen or forgotten. Manage access virtually by granting or revoking access rights from the cloud. We also provide the possibility for the digital keys with different security level. You can have a key that is valid forever or you can have a key on demand, that is generated when user is on site and the key is valid for opening for a short period of time, like 5 minutes for example.

Simple yet scalable

Whether you have 1 door or 1000 or more, with our solution access management is a breeze. You can easily manage users, groups and their access rights right from the app or from web based admin view.

Easy integration

Our API allows quick integration with your existing IT infrastructure. After integration your employees or customers can use your existing solutions and the keys with access permissions will be integrated in the background without the need to configure the permissions in separate solution.

Reduced costs

With digital keys you will not waste money and time to order, program and distribute physical keys, remotes or cards. You have all the visibility about the usage of the keys and you can easily grant one time access to limited period of time. This avoids the loss caused from misused access and related incidents of theft.