

TimeTec BLE-2 Long Range RFID Barrier Gate System



TimeTec Long Range RFID Barrier Gate System is an optional solution that can be integrated with i-Neighbour Smart Community System. The Barrier Gate System consists of a few major components, i.e. the long range UHF reader & UHF controller, BLE 2 Gate Control Relay Board and CCTV integration along with the Software.

The long range UHF reader can support a maximum distance of 10 meters. By default, the long range UHF reader and its controller work to capture and verify the card data from the driver or vehicle. As such, the reader has its own software to store and manage the residents' card data while its controller takes full control of the barrier gates. On the other hand, the CCTV is used to monitor and record the inflow or outflow of the registered residents and visitors' vehicle.

The BLE 2 Gate Control Relay Board stores residents' card data/verification algorithm and can be integrated into the long range UHF reader to override the current system. In other words, the BLE 2 Gate Control Relay Board uses the long range UHF reader to collect/validate the card data and subsequently controls the access of the barrier gate.

The Management has the option of issuing long range RFID cards or non-transferable long range RFID tear-torn stickers that can be placed on the vehicles to be used as credentials for gaining uninterrupted access. Correspondingly, the Management can also manage the individual resident's card data within i-Neighbour system as its Mobile App can be used to sync all data into the BLE 2 Gate Control Relay Board. Basically speaking, the residents' entries/exits records stored inside the BLE 2 Gate Control Relay Board can be downloaded and synced to i-Neighbour's Mobile App by the System Admin from time to time.



Readability of RFID signal from a long range thus maintaining a smoother access at the guardhouse.



All entry and exit images can be recorded for visual evidence if installed together with surveillance cameras



No more winding down of window to flash card which will cause wetness during rainy days or exposure to robbery threats for the drivers.



Affordable price to maintain the durable long range UHF card.



Fast and capable of reducing traffic congestion during peak hour.



RFID tear torn sticker's access credential is not transferable for better safety measure.



Current long-range RFID barrier system can be maintained and integrated with i-Neighbour smart community system if the management still wanted to keep the system.



Your vehicle would be safe at home when you are away as residents are allowed to set their abroad duration through i-Neighbour account in order to temporary disable the card access.



Installation Diagram * for illustration only

Long Range UHF RFID Reader reads the registered microchip built-in the tear-torn sticker/RFID card inside the vehicle from afar and the barrier gate is then triggered to open ahead of time. As such, vehicles can enter without the need to fully stop for flashing of card at the reader. This allows for smoother traffic flow and greatly reduces traffic jam during peak hours.



Specifications

Model	BLE-2
Channels	2 FORM C Relay output, NO/NC selected via jumper Weigand 26-bit input
Gates	Max 2
Dimension (mm)	100 (L) x 231 (W) x 62 (H)
Weighing (kg)	0.6
Power input	9 ~ 24 VDC
Working Temperature °C	0-45
Humidity (%)	20-80
Card Storage	30,000
Communication	Bluetooth Low Energy (BLE) 4.2, Weigand 26-bit input
Effective Distance (m)	5 (For mobile app)
LED indicator	Yes
Transaction Records	Unlimited, stored in cloud server
Event Capacity	Unlimited, stored in cloud server
Mobile OS	Android 4.0.2 and above, iOS 8.0 and above
App & Cloud	TimeTec VMS, TimeTec Access and i-Neighbour
Language (App & cloud)	Arabic, Chinese Simplified, Chinese Traditional, English, Hindi, Indonesian, Malay, Nepali, Spanish, Thai, Turkish, Vietnamese. Other languages are available upon request.



Packaging

Dimension (mm) : 173 (L) x 60 (W) x 135 (H)
Weight (kg) : 0.3

Note: Specifications are subject to change without prior notice.



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