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www.i-neighbour.com

TimeTec BLE 2
Gate Control Relay Board

Installation Guide

THE INTRODUCTION

The TimeTec Barrier Gate Control Relay is built based on the BLE 16 Lift Relay Board. It is designed as an intermediate between a user's mobile app and a residential barrier gate controller. The way it works is, a user uses his/her mobile app to send command to the TimeTec Barrier Gate Control Relay Board via Bluetooth connection. The board then translates the command into digital pulse and sends it to the barrier gate controller to open/stop/close the gate.

TECHNICAL SPECIFICATION

Specification	
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.*

INSTALLATION

THE HARDWARE

THE LED INDICATOR

	FUNCTIONS
Bluetooth	Blinking – Standby mode, device is broadcasting signals to nearby users.
Gate 1	Static in orange – Standby mode
Gate 2	Blinking in orange – Working mode, device is sending open/stop/close Gate 1 command to auto gate panel.

THE CONNECTORS

	FUNCTIONS
Regulated input	Connect to power source ranging from 9 to 14.5V
Open	The relay output to barrier gate control panel Open port
Stop	The relay output to barrier gate control panel Stop port
Close	The relay output to barrier gate control panel Close port

WIRING DETAILS
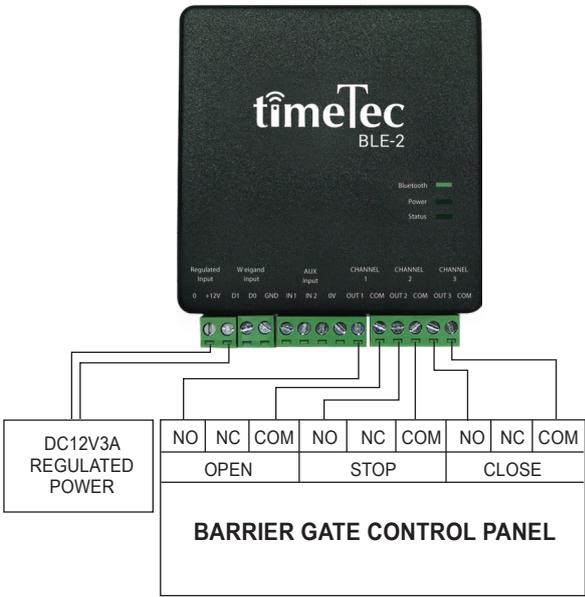
It is important to shut down all your auto gates from any operations and disconnect the power supply before carrying out any installation or wiring job.

Step 1

Connect a 12V DC 3A power source to the power input port of TimeTec Auto Gate Control Relay. DO NOT SWITCH ON the power until all the wiring works are done.

Step 2

Connect Open, Stop and Close relays (NO and COM) to the corresponding relay inputs into your auto gate control panel. You can use NC and COM from TimeTec Auto Gate Control Relay if your auto gate control panel is using NC and COM as well. Ignore the Stop relays if it is irrelevant.

Step 3

Turn on the power of the TimeTec Barrier Gate Control Relay, barrier gates and all their components.

Step 4

Sign in to i-Neighbour web portal to complete the setup and configuration.

Note:

• *To stop the control of TimeTec Barrier Gate Control Relay Board, you need to shut down its power source.*

• *You can still control the gate operations by using a remote control or through the physical open-stop-close buttons.*

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