

TimeTec Lift Control Panel BLE-16

*Elevate Lift Technology through
Smartphone Access*

Installation Guide

The Introduction

TimeTec Lift Control Panel BLE-16 is a lift controller utilizing the Bluetooth Low Energy 4.2 technology and the power of a smartphone for lift access in high-rise residential and skyscrapers.

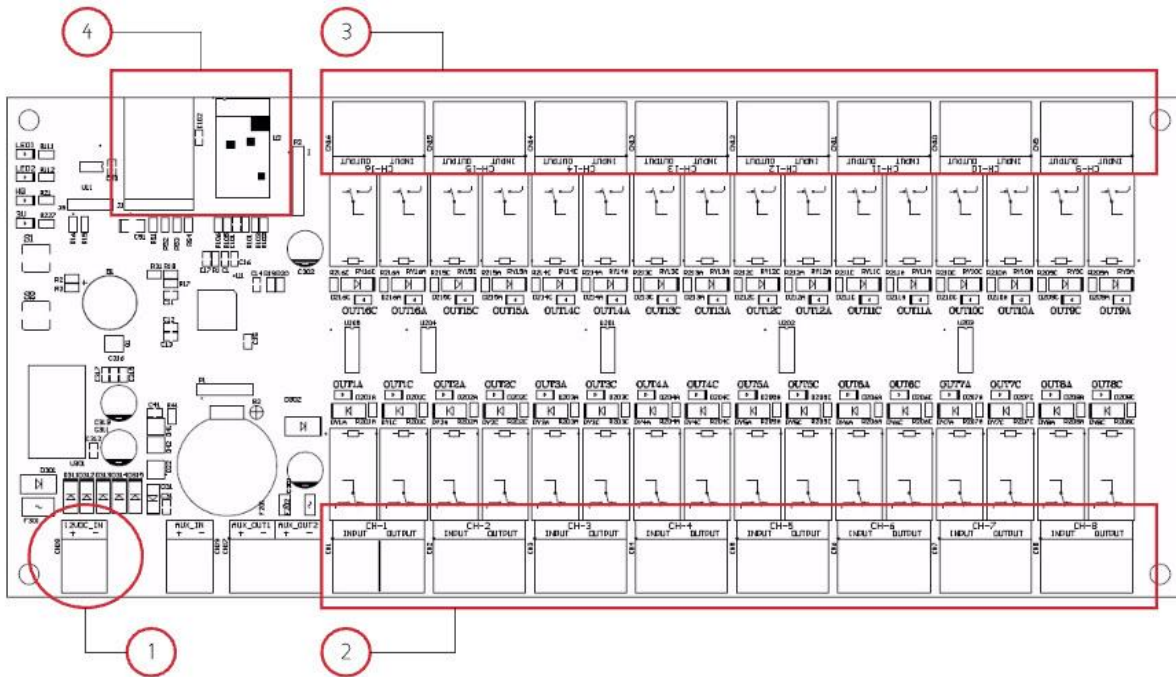
There are 3 parts to a BLE-16; a main controller, a BLE reader and a power supply, all housed in a DIY metal enclosure. A floor selection board with associated relays is mounted separately in another enclosure. One BLE-16 controller can control 16 floors, one dedicated relay contact for each floor, and the controllers can be modularly expanded, making it a perfect choice for standard lifts and it is also customizable for different and unique requirements.

Technical Specification

Specifications	
Model	BLE-16
Channels	16 FORM C Relay output NO/NC selected via jumper 16 COM dispatched by 16 Relay
Floors	16 (extend by expansion board)
Dimension (mm)	180 (L) x 231 (W) x 62 (H)
Weighing (kg)	1.7
Power input	9 ~ 24 VDC
Working temperature °C	0-45
Humidity (%)	20-80
Communication	Bluetooth Low Energy (BLE) 4.2
LED indicator	Yes
Transaction records	Unlimited, stored in cloud server
Event capacity	Unlimited
Mobile app	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. <i>Other languages are available upon request.</i>

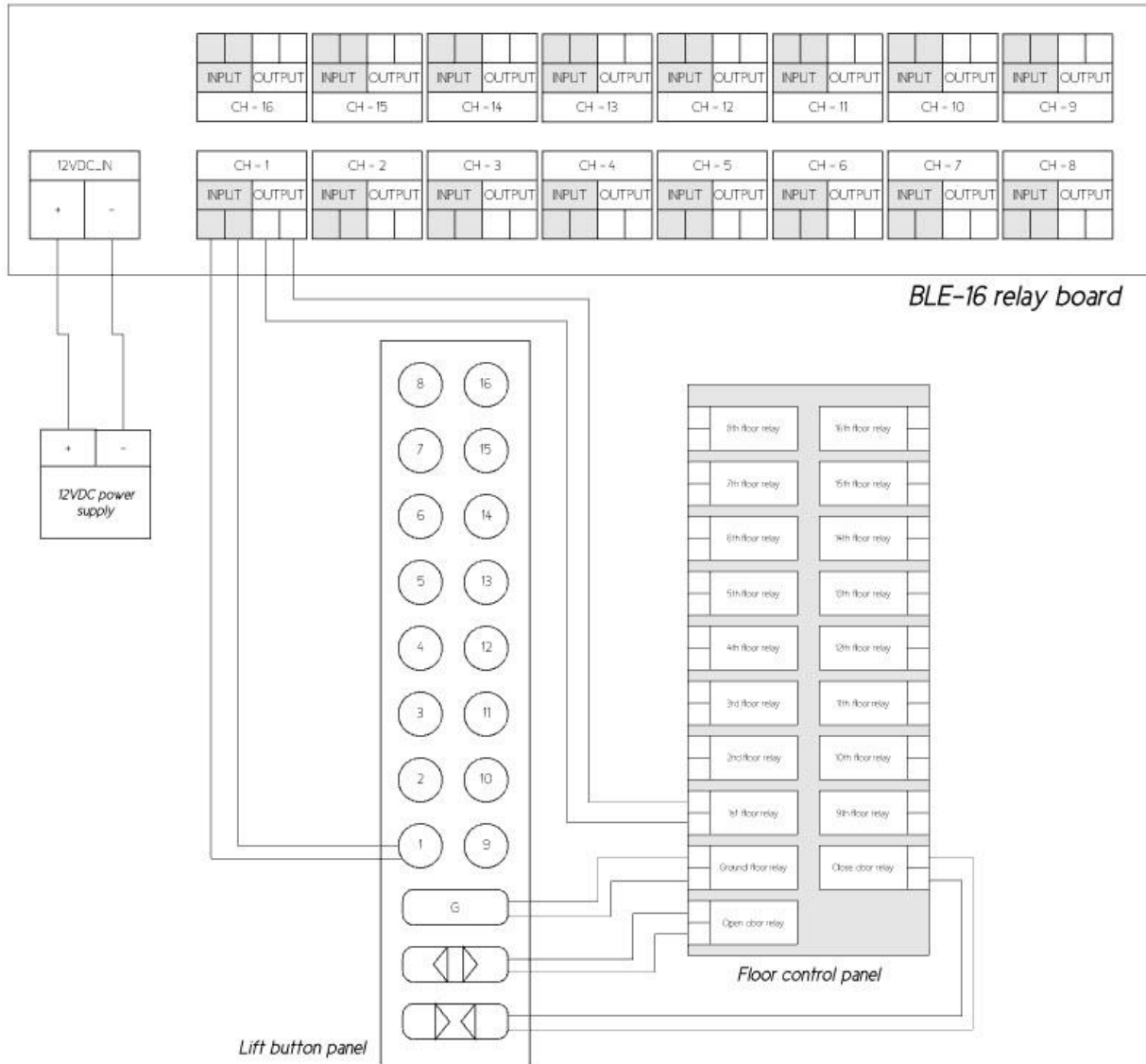
Note: Specifications are subject to change without prior notice.

The TimeTec Lift Control Panel BLE-16



	Functions
1	The power input port. Use 12V DC 3A power supply to power up the BLE-16.
2 and 3	The input and output slots to connect to lift button panel and floor control panel. Each channel is for one floor only. Input – to connect to individual button at the lift button panel. Output – to connect to the individual relay at the floor control panel.
4	The Bluetooth receptor to receive command from mobile app and Bluetooth cards.

Wiring Details



It is important to shutdown lift car from any operation and also disconnect the power supply before carrying out any installation or wiring job.

Step 1

Connect the 12V DC 3A power source to the power input port of BLE-16. DO NOT SWITCH ON the power until all the wiring work is done.

Step 2

Connect relay output of button 1 (from Lift button panel) to BLE 16 CH-1 relay input port.

Step 3

Connect CH-1 relay output (from BLE 16) to 1st Floor Relay in Floor Control Panel.

Repeat step 2 and 3 for all buttons and floors. We recommend to keep all buttons for Ground floor, open lift door and close door, to connect directly to Floor control panel.

Step 4

Turn on the power to the lift car and all components.

Step 5

Sign in to i-Neighbour account to complete the setup.

Note:

- *To bypass the control of TimeTec Lift Control Panel BLE-16, you need to shut down its power source. The floor access function will be back to default operation, where user can press button at the lift button panel to access to the desired floors.*
- *For a building with more than 16 floors, the installation requires more than one BLE 16 relay boards. For example, a building with 30 floors will need 2 units of BLE 16 relay boards, where the first relay board will control access from Floor 1 to Floor 16, and the second relay board will control the access from Floor 17 to Floor 30.*

