WiBee

Wi-Fi / Bluetooth control unit with 433 MHz receiver

IoT control unit for gates, doors and lighting systems and any other equipment that benefits from remote control and management. The unit connects over 2.4 GHz Wi-Fi and Bluetooth, includes a 433 MHz remote-control receiver, and controls the connected equipment through a dry-contact relay. Management is through the PalGate App or through the easy-to-use PAL Web Portal.



12 VDC	2.4 GHz	BLE 5	433 MHz	53 × 80 × 25	CE FC
Supply, 1 A	Wi-Fi 802.11b/g/n	Bluetooth	Remote receiver	2.09 × 3.15 × 0.98 in Dimensions	Certification

ELECTRICAL

Supply voltage	**12 VDC, 1 A (stable supply)**
Average standby current	**~40 mA**
Relay output	**1, dry contact, N.O./N.C.**
Relay contact rating (resistive)	**1 A at 30 VDC; 0.5 A at 125 VAC**
Relay activation time	**Programmable (default 2 s)**
Input	**1 (for example, a magnetic sensor)**

MECHANICAL & ENVIRONMENTAL

Dimensions	**53 × 80 × 25 mm (2.09 × 3.15 × 0.98 in)**
Net weight	**72 g / 2.54 oz**
Operating temperature	**−20 °C … +70 °C (−4 °F … +158 °F)**
Installation	**Inside a waterproof, dustproof enclosure**
Certification	CE FC **FCC ID: 2AUD3-SPIDER**
Part number	**WB011-R (all regions)**

CONNECTIVITY

Wi-Fi	**IEEE 802.11b/g/n, 2.4 GHz**
Bluetooth	**Bluetooth® 5 (LE)**
Remote receiver	**433 MHz**
Antennas	**2.4 GHz (Wi-Fi and Bluetooth); 433 MHz (remote control)**
Antenna connector	**SMA, 50 Ω**

INDICATORS

Wi-Fi / network LED	**Start-up; ready to connect to Wi-Fi**
Signal LEDs	**3 LEDs: Wi-Fi signal strength**

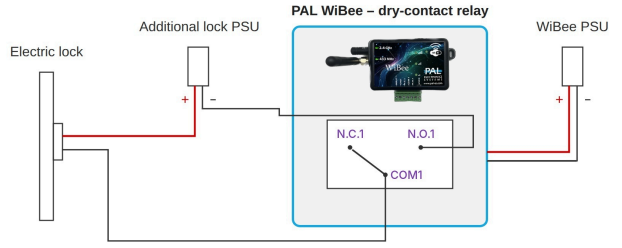
USERS & SERVICE

App users	**5 included; more can be added (optional)**
Administrators	**Multiple administrators supported**
Subscription	**Annual subscription required**

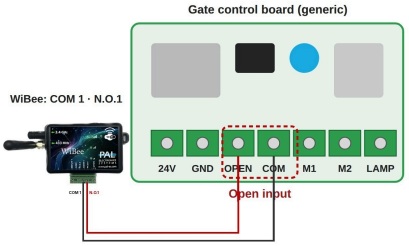
TERMINALS

TERMINAL	FUNCTION	NOTES
± 12 VDC	Power input	Polarity does not matter
N.O.1 · COM 1 · N.C.1	Output relay	Dry contact
INPUT 1 · GND	Input	For example, a magnetic sensor

TYPICAL APPLICATIONS



Electric lock · Separate lock power supply; (–) switched through N.O.1 and COM 1. For electromagnetic locks, use N.C.1 and COM 1.



Gate operator · COM 1 to COM and N.O.1 to OPEN on the gate control board

MANAGEMENT

- PalGate App (iOS and Android)
- PAL Web Portal (optional; additional charges may apply)
- Real-time email and push notifications while connected to Wi-Fi
- Scheduling: timers, events, calendar, holidays and astronomical clock*
- User access restrictions by day and time*
- "Nearby Only" feature: Allows you to restrict gate access to users who are within a configurable distance of the gate
- User import and export with Excel files (optional)
- Door/gate status notifications through the input

* For accurate time, the unit must be connected to Wi-Fi.

OPENING METHODS

App	Proximity & automatic
Siri	Google Assistant
Smart watches (Apple and Google)	433 MHz remote control
Wireless vehicle detector	Apple CarPlay
Android Auto	

GET THE PALGATE APP

Download on the App Store

ANDROID APP ON Google play

CE FC Specifications are subject to change without notice.