Aegis 7000 Management System

GW7 - Gateway 7000

User's manual

Introduction

The TownSteel wireless gateway GW7 effortlessly connects the wireless door lock to the access system, enabling smooth transmission of new access authorizations to the doors through wireless communication. Employing advanced encryption technology, the data remains safe. This ensures the seamless integration of wireless door components into the access system, prioritizing both simplicity and security.

Before you get started

Before setting up the network encoder (NE7) device, install the online system and maintenance app first. Assign the IP address to the network encoder (NE7) device. You also need to install the electronic door locks before testing.

GW7 Functionality

The TownSteel wireless gateway GW7 is suitable for medium and large-sized companies. It can be used where electronic access components are required, where changes need to be made quickly or where there are specific door monitoring requirements and cabling is not possible due to access restrictions.

Operations

1. Install Gateway (GW7) device
   Open the Maintenance app -> click install device -> click install gateway -> Connect power supply, plug out the encoder ethernet cable, and click “SCAN” button to scan QR CODE -> fill in gateway’s network information and click submit button -> plug in the encoder ethernet cable
2. Register Gateway (GW7) device
   Open the Maintenance app -> click register device -> fill in the account and password information and click the LOG IN button -> Scan the QR CODE image on the Gateway (GW7) device -> click Start registration button
3. Synchronize data

Open the Maintenance app -> click the "Scan QR CODE" button -> scan the QR CODE image on the network encoder (NE7)

4. Confirm Gateway (GW7) device status
   Login to the website -> Navigate to "Device -> Gateway" page -> confirm the Gateway (GW7) device status on the website

Key wireless functions

- Easy to issue and withdraw access rights wirelessly
- Door status and access events retrievable at any time
- Alarm sounds if a door is forced (depending on components)
- Device software updated wirelessly
- Remote approval of access for selected doors
- Automatic status notifications (e.g. battery status)

Supported components

One TownSteel wireless gateway GW7 supports up to 48 access components in a 120 meter radius.
Highly secure
Data transmitted between the gateway and door components is encrypted immediately at a network and application level using AES.
Encryption is generated by the system and is unique for
each system.
Assembly
Indoor installation can be carried out on either walls or ceilings simply

by using two screws. Thanks to PoE (Power over Ethernet), only one Ethernet cable is attached (plug & play) using the provided PoE splitter; Optional power supply provided that connects to 110 VAC outlet.
Putting into operation
The gateway and wireless components are put into operation using the access system and maintenance app.
Updates
Software for TownSteel wireless devices and the gateway GW7 can be conveniently updated from your desk. The gateway ensures that these updates are transmitted wirelessly and without error to the wireless components.

Radio Interface
Technology: IEEE802.15.1 Frequency band 1: 2400 to 2483.5 MHz Frequency band 2: 915 MHz

CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

The FCC certification for this device pertains to testing for RF exposure under standard operating conditions. These conditions specify that a person should maintain a distance of no less than 20 centimeters from the device's surface at all times, except for occasional, short-term instances lasting around seconds. The device is demonstrated to meet the FCC RF Exposure requirements outlined in KDB 447498 only under the specified conditions.

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