Overview

The Gate Control Kit (GCK400) and the Elevator Control Kit (ECK400) complement and expand the AD Series platform by bringing wireless access control to applications that are difficult to reach with a traditional wired approach.

The GCK400 and the ECK400 are kits comprised of the Wireless Reader Interface (WRI400), the Panel Interface Module (PIM400-TD2), a Remote Antenna (ANT-REM I/O) and a power supply (593PI-12DC). The GCK400 kit also includes an antenna grounding kit (MGB+MCA5).

The Wireless Reader Interface (WRI400) is compatible with most popular Wiegand or Clock & Data format credential readers on the market today. The WRI400 communicates via 900MHz to the PIM400-TD2 within a range of up to 1000 feet with a clear line of sight. The PIM400-TD2 is hardwired to the access control panel where decisions are validated and recorded.

The GCK400 kit eliminates the need for trenching in gate applications, driving a significant reduction of installation time and cost. The gate kit is ideal for parking lots, airports, military bases and garages. Roadways, parking lots and landscape are left intact since the need to run wires underground is eliminated.

The ECK400 eliminates the need for traveling cables to elevator applications simplifying installation. Access control can be applied to elevators at a much faster rate, reducing downtime and disruption within the facility.

Features and benefits

- Real time access control
- Reduced installation time
- Eliminates trenching to gates
- Eliminates traveling cables in elevators
- 2 reader inputs
- Supports all Wiegand (data1/data0) and magnetic stripe (clock/data) reader technologies

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About Allegion

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GCK400 contents

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PIM400-TD2 specifications

- Transmission / encryption: AES - 128 bit (optional)
- Communication range:
  - Up to 200 ft (61 m) with obstructions
  - Up to 1000 ft (305 m) clear line of sight
  - Up to 2000 ft (609 m) line of sight with high gain antenna on PIM400
  - Up to 4000 ft (1219 m) line of sight with high gain antennas on PIM400 and WRI400
- Dimensions (H x W x D): 10.43" x 7.28" x 3.79' (26.49 cm x 18.49 cm x 9.63 cm)

WRI400 specification

- Frequency range: 902-928 MHz
- Modulation: 900 MHz spread spectrum, direct sequence, 10 channels
- RF interference avoidance: Optional dynamic channel switching
- Data rate: RF: 40 kbps
- Power supply requirements: 12 VDC or 24 VDC
- Dimensions (H x W x D): 10.43" x 7.28" x 3.79" (26.49 cm x 18.49 cm x 9.63 cm)
- Operating temperature: - 31°F (-35°C) to 151°F (66°C)
- Strike output relay: Form C relay: 6 amps at 24 VDC or 6 amps at 120 VAC or 3 amps at 240 VAC
- Auxiliary output relay: Form C relay: 2 amps at 24 VDC or 0.5 amps at 120 VAC
- Dimensions (overall): 8.7 in x 6.94 in x 4.5 in (220 mm x 176 mm x 140 mm)
- Weight: 4.2 oz (120 grams)

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Hardware required:
- GCK400
- aptiQ reader
- UL294 12/24 VDC power supply
- ACP

APT400 Hall - Bi-directional indoor antenna ceiling mount

APT400 –REM – I/O + 6 DB - Directional, flat panel remote indoor/outdoor antenna with 6 DB gain.

MGB + MCA5 - Antenna grounding kit for outdoor applications

ANT400 – REM-I/O - Omni directional, flat panel, remote indoor/outdoor antenna with adjustable mount

Available through one of our GSA schedule 84 approved distributors

aptiQ reader and WRI400 reside in or on the elevator cab. ANT400-REM-I/O and PIM400-TD2 normally reside at the top of the elevator shaft.

aptiQ reader transmits card data through WRI400 to PIM400-TD2 then back to ACP. ACP determines if access is granted and communicates back to elevator cab via separate wiring (not shown here) to either enable floor buttons or direct the elevator cab to a specific floor.

ECK400 includes ANT400-REM-I/O, WRI400, PIM400-TD2 and 593-PI, shown in orange.

Hardware required:
- ECK400
- UL294 12/24 VDC power supply
- aptiQ reader
- ACP

Ordering information

- GCK400 - Wireless Gate Control Kit
- ECK400 - Wireless Elevator Control Kit

Optional accessories

- ANT400 Hall - Bi-directional indoor antenna ceiling mount
- ANT400 –REM – I/O + 6 DB - Directional, flat panel remote indoor/outdoor antenna with 6 DB gain.
- MGB + MCA5 - Antenna grounding kit for outdoor applications
- ANT400 – REM-I/O - Omni directional, flat panel, remote indoor/outdoor antenna with adjustable mount

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