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 can eliminate 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 eliminate 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 of communication lines
- Eliminates traveling cables in elevators
- Two paralleled reader inputs
- Supports all Wiegand (data1/data0) and magnetic stripe (clock/data) reader technologies
**GCK400/ECK400 Kit contents**

<table>
<thead>
<tr>
<th>Qty</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ANT400-REM-I/O</td>
<td>Omni-directional, flat panel, remote indoor/outdoor antenna with adjustable mount</td>
</tr>
<tr>
<td>1</td>
<td>WRI400</td>
<td>Wireless reader interface connects to a reader and transmits signal to PIM400</td>
</tr>
<tr>
<td>1</td>
<td>PIM400-TD2</td>
<td>Panel interface module receives information through antenna and sends to access control provider panel for confirmation</td>
</tr>
<tr>
<td>1</td>
<td>593PI-12</td>
<td>Wall plug-in power supply converts 120v input to 12 VDC output supports WRI-400</td>
</tr>
<tr>
<td>1</td>
<td>MGB+MCA5</td>
<td>Antenna grounding kit</td>
</tr>
</tbody>
</table>

**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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**About Allegion**

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a $2 billion company, with products sold in almost 130 countries. For more, visit [www.allegion.com](http://www.allegion.com).