GCK400 & ECK400

Wireless Gate Control Kits & Elevator Control Kits

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 & 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

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GCK400/ECK400 Kit Contents
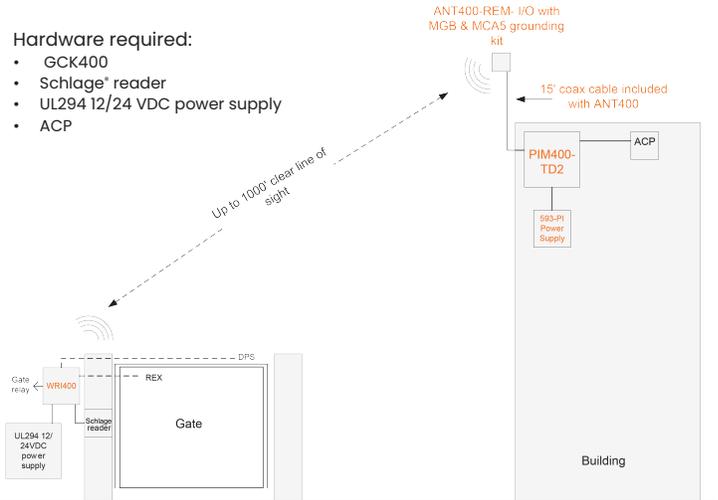
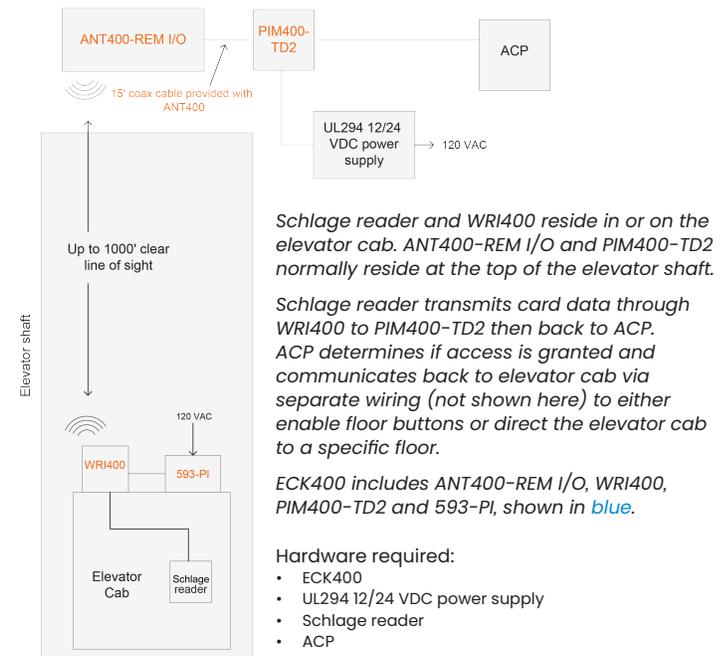| Qty	Part number	
1	ANT400-REM-I/O	Omni-directional, flat panel, remote indoor/outdoor antenna with adjustable mount
1	WRI400	Wireless reader interface connects to a reader and transmits signal to PIM
1	PIM400-TD2	Panel interface module receives information through antenna and sends to access control provider panel for confirmation
1	593PI-12	Wall plug-in power supply converts 120v input to 12 VDC output supports WRI-400
1	MGB+MCA5 (GCK400 only)	Antenna grounding kit

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
Auxillary 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)

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

GCK includes *WRI400, PIM400-TD2, ANT-REM I/O, MGB + MCA5* and *593-PI* and are shown in *blue*. Items not included are in black. DPS and REX are optional.

Schlage 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.

Schlage 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 *blue*.

Hardware required:
- ECK400
- UL294 12/24 VDC power supply
- Schlage 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** - High gain, directional, flat panel remote indoor/outdoor antenna with 6 DB gain.
- **MGB + MCA5** - Antenna grounding kit for outdoor applications

Available through one of our GSA schedule 84 approved distributors