KEYSCAN ACCESS CONTROL SYSTEMS from KEYSCAN INC

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WLALKIT

Wireless Lock Interface

Keyscan, Allegion partner for innovative wireless lock solution

Keyscan's WLALKIT is a combination product that features a CA8WL-AL access control unit from Keyscan and a PIM400-485 wireless lock interface from Allegion. Together, they allow integration with up to eight (8) Allegion AD400 series wireless locks on a new or existing Keyscan access control system*.

Allegion PIM400-485 | Keyscan CA8WL-AL

CA8WL-AL Access Control Unit

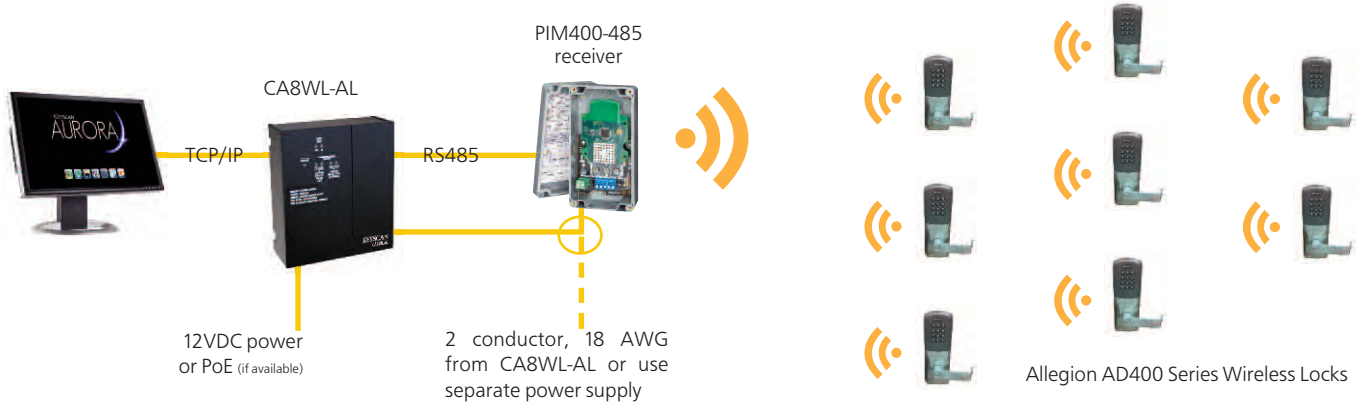
The CA8WL-AL is Keyscan's PoE equipped access control unit designed for this wireless application. This ACU interface receives and authenticates credential data transmitted from the PIM400-485 and responds with access granted or denied based on the permissions criteria set in Keyscan Aurora access control management software. A condensed size unit, the CA8WL-AL can be installed virtually anywhere. It is easily connected to your LAN/WAN network and can be powered using PoE (where available). If PoE is not available a 12VDC input option is provided.

PIM400-485 Wireless Interface Module

The PIM400-485 is a wireless lock interface from Allegion. It receives signal data from up to 8 AD400 series lock sets and transmits signal data to Keyscan's CA8WL-AL controller via RS-485. Its features include a powerful 900 MHz spread spectrum technology that enables high transmission power in a license-free band, an error detection algorithm that maintains data integrity on each transmission, a "heartbeat" supervision signal to ensure reliable RF communication is maintained, and Dynamic channel switching to overcome harsh RF environments by automatically changing channels to avoid potential interference. For programming AD400 series lock sets, an Allegion HHD is also required (sold separately).

*requires Keyscan Aurora access control management software Version 1.0.10 or higher.

Eight wireless lock installation using Allegion PIM400-485 and Keyscan CA8WL-AL ACU



WLALKIT

Wireless Lock Interface

Features and Benefits:

1. Features both Keyscan CA8WL-AL ACU and Allegion's PIM400485 wireless interface module in one convenient kit.
2. Allows integration with up to 8 Allegion AD400 series wireless lock sets per kit.
3. Functions with Keyscan's renowned Aurora access control management software (ver 1.0.10 or higher).
4. Functions seamlessly as a stand-alone system or within a new or existing Keyscan access control system running Keyscan Aurora software version 1.0.10 or higher.
5. A convenient solution for Allegion AD400 series wireless access control applications.
6. PoE (when available) can supply sufficient power for both CA8WL-AL controller and PIM400-485 interface module.

PIM400-485 Specifications:

Frequency range	902-928 MHz	**Operating temperature**	-31° to 151°F (-35° to 66°C)
Transmission/encryption	AES-128 bit key (optional)	**Operating humidity**	0% to 100% non-condensing
Credential verification time	< 1 second (Dependant on ACU panel)	**Dimensions (H x W x D)**	7.1" x 7.1" x 3.0"
Visual/audible	5 LEDs for status indicators		(18 cm x 18 cm x 7.6 cm)
System interface	RS-485	**Weight**	1.25 lb (.56 kg)
Power supply	12 VDC or 24 VDC	**Communication range:**	Up to 200' w/obstructions
Voltage range	9.5 VDC to 26 VDC		Up to 1000' clear line-of-sight
Max current requirement	Up to 250 mA		(* other options available)

CA8WL-AL Specifications:

Dimensions (H x W x D)	7.625" x 6.875" x 1.75"	**Networking**	RS-485; Ethernet (TCP/IP)
	(17.46mm x 19.37mm x 4.45 cm)		PoE Cat 5 or 6 (max: 100 m)
Power input	PoE (class 0) or 12 VDC	**Software**	Aurora V 1.0.10 (or higher)
Power output	12VDC (for PIM400-485)	**Housing**	22 GA steel, black powder coat
CA8WL-AL current	170mA to max 200 mA	**Environmental**	32° to 120°F (0° to 49°C)

PoE considerations:

The CA8WL-AL operates as a Class 0 PoE Powered Device (PD). It requires 15.4 Watts from a PoE switch or injector. Of the 15.4 Watts, it provides 680mA (12 volts - approximately 8 Watts) to power connected peripheral devices. Selection of a PoE switch must be based on the Power demand of all of the loads connected to the switch. The PD Class (0-4) for each device connected to the switch must be known and the sum of all loads should not exceed 75% of the total available power.

As loads changed, the total consumption must be re-assessed. Keyscan recommends the use of low port count PoE switches, maximum 8 ports, to minimize the impact of a switch failure on the Access Control System and, that all PoE switches be powered using a UPS.

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901 Burns Street East
Whitby, Ontario, L1N 0E6, Canada
Toll Free: 1.888.KEYSCAN (Canada/US)
Tel: +1.905.430.7226
Web: www.keyscan.ca

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