

AI-500-035 Lock Control Unit

Overview

The industry standard has historically been to have convenience or security, but not both at the same time. However, because of a partnership between Applied Information and Assa Abloy a solution for roadside cabinets that offers security and convenience in equal measure. The AI-500-035 Lock Control Unit (LCU) provides quick and easy access to traffic cabinets, ensuring unattended cabinets are secured by Assa Abloy locks, and Applied Information's intelligent device integration.

The LCU device provides connection and integration with the Glance platform and controls up to two internal locks in a roadside cabinet. No key or key card is required for operation as the locks are remotely actuated from the Glance smartphone app when an authorized user is inside the "activation zone." Managers can know that because of the two-factor security of the Glance platform cabinets are always secure with automatic relocking, and can easily unlock cabinets as well as control access to multiple doors remotely.

The LCU has door status sensors that trigger an alarm in the event of an unauthorized entry. If an alarm is triggered an email or text alert is immediately sent to notify the necessary personnel. The last-gasp power supply also triggers an alarm when the cabinet loses power so an email or text alert can be sent, and an electronic key backup is provided as a failsafe method to control access to a cabinet.

Features & Benefits

- ✓ Low-cost internet connectivity solution
- ✓ No key or key card required, smartphone app used as intelligent key
- ✓ Unattended traffic cabinets are secured
- ✓ Quick and easy access
- ✓ Lock proximity control
- ✓ Monitor door status, alarms and authorized users
- ✓ Last-gasp backup for power failure alerts
- ✓ Alert sound to indicate lock is open
- ✓ Electronic key backup
- ✓ Alarm alerts sent via text or email



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Hardware Specification



AI-500-035 LCU

Connectivity

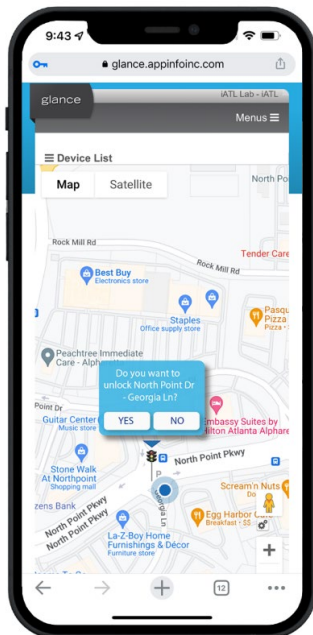
Cell Modem*	Yes
Knockdown Sensor	Yes
GPS	Yes

Industrial I/O

Digital Outputs	2 x Lock controllers
Digital Inputs	4 (2 x Bolt monitor, 2 x door switch)
Analog Inputs	3
Input Voltage	120V AC

Miscellaneous

Operating Systems	FreeRTOS Systems
Non-volatile Memory	Yes
Operating Temperature	-37°C to 74°C
Humidity	5-95% non-condensing
Dimensions	4.5" x 2.5" x 1¼"
Input Voltage	10-30v DC
Power Consumption DC	60µA avg



Glance Proximity Feature



AI-500-035