

AI-500-036 Lock Monitoring Unit

Overview

The AI-500-036 Lock Monitoring Unit (LMU) has been engineered to provide a means of adding convenient security to traffic cabinets by either integrating with existing Applied Information field devices or used in conjunction with the AI-500-035 LCU. The LMU can connect and control two locks in a traffic cabinet when integrated with an Applied Information device, or up to four locks when combined with an AI-500-035 LCU.

Once integrated with an existing device the LMU can remotely control two Assa Abloy door locks without the use of a key or key card. The unit operates through Applied Information's Glance platform. A technician can unlock the cabinet via a two-factor authentication process that requires an authorized user with Glance app credentials to be in proximity to the lock, then the unlock request can be triggered. The LMU relocks the cabinet automatically after a configured period. An electronic key backup is provided as a failsafe method to lock and unlock the cabinet.

The LMU is equipped with sensors that monitor the door status and trigger alarms 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.

Features & Benefits

- ✓ No data costs, uses connected device for connectivity
- ✓ No key or key card required, smartphone app used as intelligent key
- ✓ Unattended traffic cabinet's 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-500-036 LMU

Connectivity

USB Type-C	Yes
Knockdown Sensor	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 System	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 1 1/4"
Input Voltage	10-30v DC
Power Consumption DC	60µA avg

