

SECTION 281300.10 (SUPPLEMENT)

ACCESS CONTROL

PART 1 - GENERAL

1.1 ALLOWANCES

Provide an allowance of up to \$250 USD per IP Enabled lock for software license fees when required by the access control manufacturer, enabling the lock to operate as an extension of the security system. This allowance is exclusive of commissioning, programming and installation costs required to activate the lockset as a component of the security system. This allowance applies to:

1. WiFi Access Control Locks.

PART 2 - PRODUCTS

2.1 INTEGRATED IP-ENABLED ACCESS CONTROL LOCKS

IP Enabled Wireless Integrated Card Reader Mortise Locks: IP enabled WiFi™ technology ANSI/BHMA A156.13 Grade 1 mortise lockset with integrated card reader, deadbolt monitoring, and request-to-exit and door position switch signaling in one complete unit. Motor driven locking/unlocking control of the lever handle trim, 3/4" deadlocking stainless steel latch, and 1" hardened steel deadbolt (optional). Lock is U.L listed and labeled for use on up to 3 hour fire rated openings. Available with or without keyed high security cylinder override.

1. Wireless access control mortise locks interface using field replaceable IEEE 802.11b/g/n 2.4 GHz wireless radio connection to an Ethernet Local Area Network (LAN), facilitating central control via a Software Development Kit (SDK). Locks will continue to operate independently of an Ethernet (LAN) connection slowdown or failure.
2. Fully-encrypted AES 128 wireless communication between IP enabled lock and access control system via the Software Development Kit (SDK).
3. Integrated card reader supports HID® 125kHz proximity credentials; or ISO 14443 A/B and ISO 15693 13.56 MHz contactless credentials: HID® iCLASS (full authentication, all formats), MIFARE Classic, DESFire EV1 (full authentication, all formats); or Near Field Communications (NFC).
4. Configuration: Locks require a minimum of 2,400 user codes and the ability to audit the last 10,000 transactions. Programmable for time zone periods, holidays, and automatic unlock (with or without first entry).
5. Power Source: 6 AA alkaline batteries with LED indication of locked, programming mode and low capacity warning status conditions.
6. Complete installation to include Software Development Kit (SDK), and network and lock configuration CD tool kit for initial lock set-up. Electronic on-line access control system platform, including communication cabling and software, by others.

7. Acceptable Manufacturers:

- a. Sargent Manufacturing (SA) – IN120-8200 Series. (or Equal)

2.2 WIRELESS ACCESS CONTROL EXIT DEVICES

2.3 SYSTEM APPLICATION SOFTWARE

Lock Management Tool (LMT): LMT allows programming, interrogation and basic locking unit management for IP-Enabled products from a centralized location for up to (25) openings. The application facilitates communication from a host computer to the IP enabled integrated card key locking hardware and remote card readers via a RS-232/RS-485 infrastructure. LMT consists of a server based installation with daily administration and configuration done through a common web browser. A local client workstation on the server can be used for more complex configuration tasks.

1. LMT is a basic access control program allowing an administrator to establish multiple user types, time zones, holidays, user groups, and auto-unlock periods, plus obtain transaction history from integrated card key locking hardware and remote readers connected to the system. The following minimum features are included:
 - a. Password protected database with User database size based on local hardware configuration.
 - b. User groups configuration capability.
 - c. (16) different time zones and holiday support with auto-unlock schedule including "first in" unlock option.
 - d. Viewing of system wide events and history including event type, date, time, user ID and name.
 - e. Configurable for major HID Prox 125kHz card formats.
 - f. Scheduler utility for lock communication at pre-defined intervals.
 - g. Browser-based user interface with drag-and-drop configurations.
 - h. Basic alarm monitoring.
2. Acceptable Manufacturers:
 - a. Sargent Manufacturing (SA) – WFCD3. (or Equal)

2.4 SYSTEM APPLICATION SOFTWARE

- A. Physical Access Control System (PACS) will be compatible with [ASSA ABLOY](#) IP Enabled family of products. (or Equal)

PART 3 - EXECUTION

3.1 Commissioning of WiFi or POE locks

- A. Configuration of the WiFi lockset to be performed by the awarded security integrator, who is an [ASSA ABLOY](#) Certified Integrator (CI) for the IP Enabled family of products. (or Equal)
 - 1. Utilizing Lock Configuration Tool (LCT), the CI will configure each WiFi or POE lock to match network settings provided by the owner via the Pre-Deployment document.
 - 2. CI will also coordinate and install the [ASSA ABLOY](#) (or Equal) integration package that comes with the Physical Access Control System (PACS) software.
 - 3. CI will program the WiFi or POE locks within the PACS software system as well as test for proper operation with customer credentials, scheduled unlock times, etc.
 - 4. Provide “as designed” drawings showing each device and wiring connection and electronic enclosure legends indicating cabling in and out.
 - 5. Provide a complete set of operating instructions for access control hardware devices and a complete software user manual.

END OF SECTION 281300