

OTS Advance - Main Features and Benefits: The OTS advance is an RFID electronic push button locker lock activated by cards, bracelets or fobs when presented to the lock by users or management. This allows a "code free" environment for users and management to gain access to locks by presenting credential to the lock without the need to remember a code. Management is able to program the locks via a handheld terminal. One piece design only requires single through hole in door for sleek design, intuitive use multifunctional integrated handle.

SECTION 105113

INTELLIGENT LOCKING SYSTEMS - OTS ADVANCE

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

1.2 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
 - 1. Electronic, RFID (radio-frequency identification) push button lock. (OTS Advance)
- B. Related Work: The following items are not included in this Section and are specified under the designated Sections:
 - 1. Section 105100 - Lockers for coordination with shop-installed locks.

1.3 REFERENCED STANDARDS

- A. Comply with the LGA Quality Guidelines (European Standard) as applicable to the project:
 - 1. IP55 - Enclosure-Ingress Protection.
 - 2. IK07 and IK09 - Code and Impact Energy (internal and external lock body).

1.4 SUBMITTALS

- A. Product Data: Submit manufacturer's product data, installation recommendations, and user manuals.
- B. Shop Drawings: Submit project-specific details of construction. Use the same room identification numbers as indicated on the Drawings.
 - 1. For shop-installed locks, coordinate with locker manufacturer, in sufficient time as to not delay job progress.
 - 2. For software system, includes types of keys, portable programmer, management software.
- C. Demonstration and Training: Submit proposed type and duration of on-site training for owner's personnel.

- D. Warranties: Provide manufacturer's standard limited warranty against defects in manufacturing.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in the manufacturing of the products specified in this section, with at least three years of documented experience and achieving and maintaining: ISO 9001 Quality standards and ISO 14001 environmental standards.
- B. Source Limitations: Obtain each type of lock from a single manufacturer.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Delivery and Handling: Comply with manufacturer's recommendations for delivery, storage and handling of locking systems.

PART 2 - PRODUCTS

2.1 ELECTRONIC, RFID (RADIO-FREQUENCY IDENTIFICATION) PUSH BUTTON LOCK

- A. Basis of Design: OTS Advance by ojmar, 17155 Von Karman Avenue, Suite 111, Irvine, CA 92614. Phone 949-419-6776. Contact sales@ojmar.us. Website www.ojmar.us.
 - 1. Type: Electronic, RFID (Radio-Frequency Identification) push button lock.
 - 2. Power Supply: 4 Alkaline 1.5v AA batteries.
 - 3. Battery Life: 5-7 years.
 - 4. Low Battery Detection: Standalone via NFC programmer or integrated into an access control system.
 - 5. Communication Interface: NFC.
 - 6. Temperature Range: Minus 4 degrees F (-20 deg C), to 158 degrees F (70 deg F).
 - 7. Protection Against Solid and Liquid Bodies: IP55.
 - 8. Protection Against Internal Impact: IK7.
 - 9. Protection against Internal Impact: IK9.
 - 10. Push Button Dimensions: 7/8 inch (23 mm) diameter.
 - 11. Lock Body Dimensions: 4-5/16 x 4-5/8 inches (110 x 118 mm).
 - 12. Display: LED red, green, orange status indicators.
 - 13. Handing: Supplied as either left-hand or right-hand.
 - 14. Portable Programmer: ojmar NFC model programmer.
 - 15. Management Software: ojmar OTC Management Software.
 - 16. Programming Features: Administration and sub-administrator; audit trail, user database, RFID media expiration dates, automatic opening, locker sharing, subgroup masterkeys, RFID cancellation keys, open API, subgroups, Handheld computer with stand-alone mode and connected to the computer, optional infoterminal.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates for compliance with requirements for installation tolerances. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install locks in accordance with manufacturer's instructions, approved submittals and in proper relationship with adjacent construction.
 - 1. Verify position of lock to locker body to ensure latching mechanism works properly.
 - 2. Test each unit for proper operation and adjust until satisfactory results are achieved.
- B. Where applicable, set up software.

3.4 DEMONSTRATION AND TRAINING

- A. Review maintenance and operations manuals with Owner's personnel. Demonstrate operation and options.

3.5 CLEANING AND PROTECTION

- A. Clean adjacent surfaces after installation. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION